



ANNUAL REPORT & AUDIT REPORT WITH AUDITED STATEMENT OF ACCOUNT 2015-16



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
इलाहाबाद-211 004

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
Allahabad - 211 004

ANNUAL REPORT & AUDIT REPORT
WITH
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INTRODUCTION

1.1 Vision

1.2 Mission

1.3 Goals

INTRODUCTION

1.1 VISION

To establish a unique identity for the institute amongst national and international academic and research organizations through knowledge creation, acquisition and dissemination for the benefit of society and humanity.

1.2 MISSION

To generate high quality human and knowledge resources in our core areas of competence and emerging areas to make valuable contribution in technology for social and economic development of the nation. Focused efforts to be undertaken for identification, monitoring and control of objective attributes of quality and for continuous enhancement of academic processes, infrastructure and ambience. To efficaciously enhance and expand, even beyond national boundaries, its contribution to the betterment of technical education and offer international programmes of teaching, consultancy and research.

1.3 GOALS

The standing of an Institution of higher learning is judged by its research activities and contribution in the advancement of knowledge in the emerging areas. The Institute will make all efforts to strengthen collaborative research programmes in the following emerging areas with strong user (industry/society) linkages:

Advanced Technologies

Construction Productivity Analysis, Mechatronics, Industrial Knowledge Management Systems, Development & Condition Monitoring of Flow Devices.

Electronics & Communication

4 G Wireless & Mobile Networks Signal Processing, Optical Computation and Communication, Sensor Network, VLSI, Embedded Real Time System.

Energy Engineering

Bio-fuels, Solar Cells, Hybrid Renewal Energy Systems, Virtual Instrumentation, Distributed Energy System, Energy Audit, Development of Energy Efficient Devices & Technologies.

Environment

Urban and Industrial Waste Disposal, Rural Water Treatment, Ground Water Management, Rain Water Harvesting.

Exploration Technology

Remote Sensing and Resource Planning, Geotechnical Exploration.

Global Business

Strategic Alliances, Intellectual Property Rights (IPR), Logistics, Forex Management, Socioeconomic Policy Planning.

Health Care

Bio-mechanics, Genomics and Proteomics, Bioinformatics, Chem-informatics, BioMedical Devices & Rehabilitation.

Housing

Health Monitoring and Rehabilitation of structures, Smart and Energy Efficient Structures.

IT & Services

E-governance, Web Service, Social Networks, Web-3, Multi-media Technology, Digital Right Management Systems.

Manufacturing

Nano-fabrication, Robotics.

Material Technology

Composite, Smart, Multi-functional and Nanomaterials, MEMS and Smart Sensors.

Strategic & Computing Technology

Grid & Cloud Computing, P2P, Evolutionary Computing, information Security.

Technology for Local & Regional Development

Non-conventional Employment Opportunities, Rural-urban Migration, Social Entrepreneurship, People Public Participation (PPP) with the collaborative research programmes the research output in form of publication in SCI journals and patents will increase. Also effort will be made to double the sponsored and consultancy research projects by the end of the next decade.

Centre of Advance Method Research

Centre of Advance Method Research in the respective fields of specializations from different academic departments will be set up. Following areas will be given due importance for establishing the centres of excellence:

- (i) Advance Centre for Interdisciplinary Research.
- (ii) Centre for Biomedical Devices & Implants.
- (iii) Health Monitoring and Rehabilitation of Structures, M/Cs & Devices
- (iv) Centre for Energy & Environment.
- (v) Virtual Instrumentation.
- (vi) Next Generation Communication Networks.
- (vii) Software Quality Certification & Software Security.
- (viii) Centre for Development & Condition Monitoring of Flow Devices.
- (ix) Centre for Advance Manufacturing.

Society

As an institute of National importance, activities of the institute should make positive impact on the society. In order to achieve the objective a centre shall be established to cater for the needs in the following broad areas:

- (i) Promoting social awareness about national problem and possible solutions.
- (ii) International Collaboration for faculty, students and researchers.

- (iii) Faculty Orientation and Development for the faculty members of different neighboring Institutes and our own faculty members.
- (iv) Skill Development for Rural Artisans and Unskilled persons.
- (v) Innovation and Entrepreneurship Development.
- (vi) Provide facilities to underprivileged section of the society.
- (vii) Social Audit of Development Programmes.

Proposed Academic Programmes

- (i) **M. Tech.** in Hydro-power, Irrigation Engineering, Transportation Engineering, Construction Engineering Management, Communication Systems, Energy System, Instrumentation & Signal Processing, Robotics & Automation, Nano-Technology.
- (ii) **B. Tech.** in Mechatronics, Material Science & Engineering, Environment Engineering.
- (iii) Integrated MBA, Executive MBA.
- (iv) **Certificate Programmes** in Management of Engineering Litigation.

Steps to Promote Advanced Research

- (i) Joint thesis and research projects with industry participation.
- (ii) Institutional Assistantships to promote PG and Doctoral Programmes.
- (iii) External registration for Doctoral Programmes for working professionals.

THE INSTITUTE

- 2.1 Historical Background**
- 2.2 Location**
- 2.3 Campus**
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- 2.11 Training and Placement**
- 2.12 Notable Achievements**

2.1 HISTORICAL BACKGROUND

Motilal Nehru National Institute of Technology (erstwhile Motilal Nehru Regional Engineering College) Allahabad came into existence in 1960 along with seventeen other Regional Engineering Colleges. The Regional Engineering Colleges had twin objectives, one, to create and nurture engineers and second, to integrate the nation by mandatorily inducting students from all over the country. The governance was shared by the respective State and the Centre. The Institute was affiliated to the University of Allahabad as its Faculty of Engineering, until year 2000. In 2002, the College was renamed as **Motilal Nehru National Institute of Technology** and the governance was taken over fully by the Government of India. In 2007 the Institute was declared as Institute of National Importance by an Act of Parliament. Year 2010-11 celebrated the completion of 50 glorious years of its existence.

The foundation stone of the college building was laid by the architect of modern India, Pandit Jawahar Lal Nehru in 1961 and the building was inaugurated by another illustrious son of the soil Shri Lal Bahadur Shastri in 1965.

In 1961 the first batch of 100 students was admitted to three Bachelor of Engineering (B.E.) programmes, viz. Civil, Mechanical and Electrical Engineering. The Master of Engineering programme (M.E.) began in 1967 with two programmes in Mechanical Engineering followed by three programmes in Civil Engineering in 1971. In 1973 the Institute was identified as Quality Improvement Programme Centre for M.E. and in 1975 for Ph.D., in Mechanical Engineering. The first Ph.D. was awarded in 1975 in Mechanical Engineering. To add a new dimension to itself, the Institute established School of Management Studies in 1996, which offers a two year/four semester post graduate degree programme in Management (MBA).

At present MNNIT is proud to offer 09 B.Tech., 25 M.Tech. as well as MCA, MBA, MSc and MSW program and doctoral programs in all disciplines of engineering, applied sciences, social sciences and management, to around 4000 undergraduate, 2000 post graduate and 200 doctoral students, through fourteen academic departments/ schools/ cells. The students come from all the States as also from

many other countries, including SAARC and Middle-east Asia, Europe, USA and New Zealand.

The infrastructure of the Institute is at par with the best Institutions in the country, the Computer Centre has state-of-the-art computing facilities, departments have modern laboratories and the library houses print as well digital learning resources. Most of the class rooms are air conditioned and equipped with multimedia pedagogical tools. The entire campus, including hostels, executive development centre and residential area is connected with 1.25 Gbps internet connectivity.

2.2 LOCATION

The city of Allahabad is situated at the confluence (Sangam) of three rivers Ganga, Yamuna and the mythological Saraswati. The earlier settlements of Aryans were established in this city, then known as Prayag, later it became the capital of the glorious Guptas. In 1583, Emperor Akbar built the fort at Sangam, where lies the Ashoka pillar, 11m high dating back to 232 B.C., having inscriptions of Samudragupta and Jehangir. The city was later ruled by the Marathas. It was finally ceded to the British by the Nawab of Awadh in 1801. In the 20th century, the city became the nerve centre of India's freedom movement. Allahabad is known for academic ambience and presently houses six national level Institutes /Universities.

2.3 CAMPUS

The Institute is spread over in an area of 222 acres on Lucknow-Allahabad highway near the banks of the river Ganga in Teliarganj locality. The campus is divided into three parts:

- (i) Academic Campus housing Academic and Administrative Building, Banks, Sports field, Tennis Courts and Gymnasium, Hostel for P.G. Students and Multipurpose Hall.
- (ii) Hostel area housing hostels for male students, Student Activity Centre and Industrial Estate.
- (iii) Residential area housing faculty and staff quarters, Executive Development Centre, Girls' hostel, International hostel and Health Centre.

The first Prime Minister of India, Pt. Jawahar Lal Nehru had laid the foundation stone on May 3, 1961.

The main building was inaugurated by another illustrious son of India, late Prime Minister Sri Lal Bahadur Shastri on April 18, 1965. A quiet and congenial atmosphere for studies and research at the highest level prevails in the campus.

The Institute is about 9 km from Allahabad Junction Railway Station and about 4 km from the Prayag Railway station and 16 km from Bamrauli Airport.

2.4 ADMINISTRATION

Board of Governors is the apex administrative body. The Director is the Principal Academic and Executive Officer of the Institute and is responsible for the proper administration of the Institute and for imparting instructions, maintenance of discipline therein. Director is assisted in his day to day work by Deans, Heads of the departments, Faculty-in-Charge for various functions, Registrar, other officers and various committees.

2.5 ACADEMIC PROGRAMMES

The Institute offers nine B. Tech, twenty five M. Tech, MCA, MBA, MSW and M.Sc. programmes. It also offers doctoral programmes in all the disciplines of Engineering, Sciences, Management, Humanities and Social Sciences.

2.6 ADMISSION PROCEDURE

B. Tech.

Admissions are made on the basis of JEE (Mains) and counseling is conducted by CSAB, on behalf of the Govt. of India, MHRD.

M. Tech.

Admissions to the regular M. Tech. Programmes are made only on the basis of the GATE score through Centralized Counseling for M.Tech. admission in NITs (CCMT). Admissions to M.Tech. (Part Time) and M.Tech. (Sponsored) programmes are made on the basis of national-level test and interview conducted by the Institute. Further, admissions to M.Tech. programme are also offered under the QIP scheme of AICTE.

MBA

Admissions to the M.B.A. programme are made on the basis of the combined merit of CAT (conducted by IIMs) percentile and the GD and PI conducted by the Institute.

MCA

Admissions to M.C.A. programme are made on the basis of the rank in NITs MCA Common Entrance Test (NIMCET).

M.Sc. (Mathematics and Scientific Computing)

Admissions to M.Sc. (Mathematics & Scientific Computing) programme are made on the basis of the rank of Joint Admission Test for M.Sc.(JAM) conducted by IITs and counseling conducted by CCMN.

MSW (Master of Social Work)

Admissions to M.S.W. programme are made on the basis of the rank in national-level test conducted by the Institute.

Ph. D.

Admission to Ph.D. (Regular/ Part-time / Sponsored) programme are conducted on the basis of the rank in national-level test conducted by the Institute followed by a personal interview.

2.7 STUDENTS

The Institute admits 814 students through JEE (Mains) and 123 through DASA Programme to nine undergraduate programmes, 475 students to various M.Tech. programmes, 93 to MCA, 93 to MBA, 23 in M.Sc. and 23 in MSW In addition, 82 students are admitted to doctoral programmes in different branches. Students from countries such as Sri Lanka, Nepal, Bangladesh, Mauritius, Malaysia, Iran, Yemen, Iraq, Palestine, Syria, Saudi Arabia and Thailand also join MNNIT for various academic programmes. Teachers from other Institutions come here to pursue M.Tech. and Ph.D. under QIP scheme as well as under self sponsored scheme. Large number of industry executives also join for Ph.D. programmes either as full time or part time (off campus) candidates.

2.8 EXAMINATION AND EVALUATION

The examination process is continuous, learning-oriented and transparent. Students' performance is evaluated on the basis of one mid term and one end term examination for each course, along with teacher's assessment, which is based on regularity of attendance, submission of assignments and class participation. The Institute is following a grading system with eight letter grades to denote various levels of performance.

The academic performance of each student is reviewed by a committee consisting of the Chairman SUGC/ SPGC, the Dean (Academic) and the DUGC/ DPGC Conveners at the end of each semester including summer semester. The academic performance is evaluated on the basis of grades obtained in courses registered, SPI and CPI.

2.9 HOSTELS

The Institute is a fully residential institution. At present there are seven boys' hostels, which are named after Purushottam Das Tandon, Pt. Madan Mohan Malviya, Bal Gangadhar Tilak, Sardar Vallabh Bhai Patel, Kaviguru Ravindra Nath Tagore, Sir C.V. Raman and Swami Vivekananda. Besides these Boys' hostels, one is exclusively for PG students. Presently the Institute is having two girls' hostels located inside the campus for accommodating girl students. They are named after Sarojni Naidu and Kamala Nehru. An International House for Ph.D. students is also located inside the campus. Hostel Messes are managed by nominated student representatives under the overall supervision of Chief Warden and team of Warden In-charge Boys' & Girls' Hostel and Warden-I/ Warden-II.

2.10 EXTRA-CURRICULAR ACTIVITIES

The Institute provides ample avenues for the development and nurturing of creative and other talents in the students through Student Activity Centre (SAC). All the activities are managed by students under the guidance of President, SAC and a team of Faculty In-Charges for various events. The prime bodies under SAC are Students' Club and Gymkhana, which provide avenues for cultural and technical events, indoor and outdoor games. Students are also encouraged and facilitated to take part in similar events in other institutions.

Student Activity Centre (SAC)

Motilal Nehru National Institute of Technology Allahabad has been known for its excellence, academically, and the students keep raising the bar for themselves by proving to be a step ahead of the crowd, time and again. The institute, at the same time, also has records of achievements in curricular as well as extra-curricular activities. An extremely crucial role is played by Student Activity Centre of

the institute in facilitating the activities and reaching out to the students.

Gymkhana

Gymkhana is a student governed organization that cultivates leadership, encourages students to participate in outdoor activities, and provide facilities for games and sports. The members of the staff monitor activities of Gymkhana and help students in organizing and managing their functions. Gymkhana provides facilities for outdoor games like Athletics, Cricket, Football, Hockey, Badminton, Basketball, Baseball, Lawn Tennis, Squash, Gymnastics, Yoga Exercises, Boxing and Volleyball etc.

Each game is looked after by a Captain and an Officer In-charge. Captain of the game is nominated by the President, Students Activity Centre. All the games are properly run with the assistance of Gymkhana staff.

Students' Club

Student's Club is divided into ten main sections. (a) Literary (b) Astronomy (c) Photography (d) Robotics (e) Modeling (f) Dramatic and Music (g) Painting (h) Indoor Games (i) Radio and (j) Film. Each section is looked after by Committee of students elected from each hostel under the guidance of faculty member, nominated by the President.

Activities Organised Under (SAC)

To begin with, the first event of the academic calendar Josh and J Lal Tournament was organized during September 22-29, 2015 and the institute team stood victorious by being the overall champion.

The annual technical fest that is Avishkar 2015 was organized during October 12-15, 2015. The fest witnessed the participation of the following personalities in GnoTalks

- (i) Dr. Pawan Agrawal: CEO, Mumbai Dabbawala Association
- (ii) Mr. Sanjiv Chaturvedi: IFS Officer, Anti-Corruption Crusader
- (iii) Mr. Prahlad Acharya: Shadow Artist, Magician and Illusionist
- (iv) Mr. Vipul Goel, Ms. Nidhi Bisht and Mr. Jitendra Kumar: Artist

- (v) Mr. Aryapriya Ganguly and Mr. Arnab Sinha:
Quiz Master

The institute has always provided students the right platform to showcase their talents and bring victory to the institute by participating in various inter and intra institute events. The students participated in the following events:

- (i) Annual Sports Festival “Udghosh” of IIT Kanpur : October 1- 4 , 2015 (Runners-up in Athletics)
- (ii) Inter NIT (Table Tennis) at NIT Silchar : October 16-18, 2015 (Champion)
- (iii) Cultural Festival of IIT Kanpur (Antaragini): October 29 - November 1, 2015
- (iv) Sports Festival of IIT BHU (Spardha): October 29, November 1, 2015 (Runners-up) in Athletics, Table Tennis (Boys), Chess (Girls), Kho-Kho (Boys)
- (v) Cultural Fest of IIT Bombay (Mood Indigo): December 18-21, 2015

- (vi) ACM-ICPC 2016 at NITTTR Kolkata from December 25-26, 2015.

- (vii) Techfest “Kshitiz” at IIT Kharagpur : January 21-24, 2016

- (viii) Cultural Fest “Alcheringa” at IIT Guwahati : January 29-31, 2016

- (ix) Cultural Fest of IIT Kharagpur (Spring Fest): January 29- February 1, 2016

- (x) Inter NIT Sports Meet (Athletics & Gym) at MNIT Jaipur : February 26-28, 2016 (Championship)

- (xi) Techfest “Techkriti 2016” at IIT Kanpur : March 3-6, 2016

- (xii) Techfest “Technex 2016 at IIT BHU : March 4-6, 2016

- (xiii) Techfest “Azeotrophy” organized by IIT Mumbai : March 10-15, 2016

Sl.No.	Event	Performance
1.	Antaragni, IIT Kanpur (October 29-November 1, 2015)	Second Runners-up in Folk Dance Institute Bhangra Team comprising of 12 students (B. Tech.)
2	Mood Indigo, IIT Bombay (December 18-21, 2015)	Ms. Mood Indigo (winner), Ms. Tanushree Shukla (B. Tech. Final Year) won the title. Monoacting Jyotirmay Dwivedi (B. Tech. 1 st Year) stood 2nd. Hindi Debate Team Comprising Sauhard Awasthi (B. Tech. Final Year) and Shivanjali Sharma (B. Tech. 2 nd year) stood 2 nd . Courtroom Trials TanushreeShukla (B. Tech Final Year) stood 1 st . Pentastic Meenakshi Sharma (B. Tech. 1 st Year) got special mention.

The most applauding moment was when the Institute Athletic Team Participated in Inter – NIT Sports Meet (Athletics & Gym) at MNIT Jaipur during between February 26-28, 2016 and the team was **OVERALL CHAMPION in the competition**. The institute won the following medals

- (i) GOLD - 25
(ii) SILVER - 7
(iii) BRONZE - 7

Special awards

- (i) Individual event Runner-Up (Mr. Aditya Raj) in Inter NIT (Table Tennis) Tournament at NIT Silchar.
- (ii) Fastest man (Mr.Brijendra Mani Pandey) & New Record in 400 (Mr.Vivek Kumar) in Inter –

NIT Sports Meet (Athletics & Gym) at MNIT Jaipur.

- (iii) New Meet record by Brijendra Mani Pandey in Long Jump 6.54 mtr. in Annual Sport Festival “Udghosh” of IIT Kanpur.

- (iv) E - Summit - Renaissance 2016 was organized by Centre for Promoting Innovation with an active involvement of students (SAC) during January 29-31, 2016, wherein, the institute created opportunities for the young, innovative and creative minds.

Eloquence -16 was organized during March 11-14, 2016 with an aim to bring about personality development and communications skills development of participating students, along with

the creation of a learning and atmosphere of literary art.

On accounting the various events irrespective of their genre, the institute has shown its constant effort and support to the students on an higher scales. The students have also given justice in bringing name and fame to the institute with their remarkable performances and glorious results. The very idea of letting students perform in various activities apart from academic oriented programs is of incredible value and importance.

2.11 TRAINING AND PLACEMENT

Campus Recruitment Programme conducted by this Institute is a very vital activity. A very close interaction between the students and the company executives has created excellent placement

record. The student members of the placement committee actively participated in organizing campus recruitment programmes. By hard work and dedication, our students have created enviable position in Indian Industries. The Institute has excellent record of assuring jobs in prestigious organizations before they leave the Institute. Over 220 companies visited the Institute during the year – 2015-16 for Campus Selection. Our students from B.Tech (Computer Science and Engineering) got a record offer of Rs. 25 LPA (CTC) from Amazon. Besides this, the Department also arranges Summer Training Programme for students of B.Tech. 6th Semester and MBA 2nd Semester. The following tables give the statistics of placement for the passed out Batch 2015-16.

For B. Tech. Courses

Course	Discipline	No. of Students	Eligible Students	Students Placed	Jobs Offered	%age
B. Tech	Biotechnology	35	33	25	32	75.75
	Chemical Engineering	40	39	32	42	82.05
	Civil Engineering	97	78	30	33	38.46
	Computer Science & Engineering	176	159	149	190	93.71
	Electrical Engineering	73	64	54	75	84.37
	Electronics & Communication Engineering	146	141	124	165	87.94
	Mechanical Engineering	137	113	81	107	71.68
	Production & Industrial	34	30	23	31	76.67
	Information Technology	91	84	75	92	89.28
Total		829	741	593	767	80.02

For Master Courses

Course	Eligible Students	Students Placed	Jobs Offered	% age
M. Tech.	346	87	87	25.14
MCA	83	53	53	63.85
M.Sc.	15	03	03	20.00
MBA	47	39	39	82.97
MSW	07	00	00	00.00
Total	498	182	182	36.54

Year-wise Placement details of B. Tech. Students

Department	2015-16		2014-15		2013-14	
	Eligible	Placed	Eligible	Placed	Eligible	Placed
Biotechnology	33	25	30	18	25	17
Chemical	39	32	36	24	34	23
Civil	78	30	70	40	78	40
Computer Science	159	149	154	131	152	141
Electronics & Communication Engineering	64	54	132	102	66	49
Electrical	141	124	65	51	141	115
Information Technology	84	75	124	94	77	68
Mechanical	113	81	31	21	125	77
Production & Industrial	30	23	74	62	31	21
Total	741	593	716	543	729	551

2.12 NOTABLE ACHIEVEMENTS

The year has been highly fruitful in term of academic achievements. The faculty members visited various countries as invited faculty and attended International Conferences. A total of 359 research journal articles, 193 International Conference papers and 42 books/ book chapters were published. Three patents are filed by distinguished faculty members during this academic year.

GENERAL FACILITIES AND SERVICES

- 3.1 Computer Centre**
- 3.2 Mechanical Workshops**
- 3.3 Laboratories**
- 3.4 Centre for Interdisciplinary Research [CIR]**
- 3.5 Centre for Medical Diagnostics and Research [CMDR]**
- 3.6 Central Library**
- 3.7 School for Non-Formal and Continuing Education [SNFCE]**
- 3.8 Intellectual Property Right Cell [IPR Cell]**
- 3.9 NCC and NSS**
- 3.10 Institute Health Care Centre**
- 3.11 Vehicle Section**
- 3.12 Women Grievance Cell**
- 3.13 Alumni**
- 3.14 Canteen**
- 3.15 SC/ST and Reservation Cell**
- 3.16 Executive Development Centre [EDC]**

GENERAL FACILITIES AND SERVICES

3.1 COMPUTER CENTRE

The Computer Centre is equipped with 300 state of the art Pentium machines with Windows and LINUX environment. The Computer Centre is solely responsible for keeping computation related facilities available to each and every member of MNNIT Allahabad. Computer Center provides Email, Web, DNS, FTP, Internet access, HPC and other services 24 hours and 365 days a year. Computer Centre also provides various advanced and special purpose software for all the campus users. 24x7 internet connectivity with 1200 Mbps [1000 Mbps (1:1) from NKN (through Railtel), 200 Mbps (1:1) from BSNL] is provided using optical fiber backbone covering departments, student hostels and residential areas. Both wired and wireless internet connectivity is available in the campus.

3.2 MECHANICAL WORKSHOP

Mechanical Workshop is one of the Central facilities of Motilal Nehru National Institute of Technology Allahabad. Mechanical Workshop has seven different shops such as; Machine Shop, Welding Shop, Carpentry, Sheet Metal, Fitting, Foundry and Smithy.

All B.Tech. first year students (all branches), B.Tech 4th, 5th, 6th, 7th and 8th Semester of Mechanical and Production Engineering perform their practical. As per new curriculum, the M. Tech. CAD / CAM, Mechanical and Production Engineering (regular & part time) students also have to perform the practical in different shops of Mechanical Workshop. In Mechanical Workshop, the project of Ph.D. Research Scholars are also fabricated and manufactured.

3.3 LABORATORIES

Applied Mechanics

- (i) Experimental Solid Mechanics PG Laboratory
- (ii) Biomedical Engineering PG Laboratory
- (iii) Material Development PG Laboratory
- (iv) Fluids Engineering PG Laboratory
- (v) Computational PG Laboratory
- (vi) Strength of Material Laboratory
- (vii) Material Science & Engineering Laboratory
- (viii) Fluid Mechanics & Hydraulic Laboratory

- (ix) Structural Analysis Laboratory
- (x) DST-FIST Computational Laboratory
- (xi) Departmental Workshop
- (xii) Engineering Mechanics Laboratory
- (xiii) Fluid Research Laboratory
- (xiv) Solid Mechanics Research Laboratory

Biotechnology

- (i) Laboratory-I
- (ii) Laboratory-II
- (iii) Bioinformatics Laboratory
- (iv) Green house Laboratory
- (v) Experimental field Laboratory

Civil Engineering

- (i) Structural Engineering Laboratory
- (ii) Geotechnical Engineering Laboratory
- (iii) Environmental Engineering Laboratory
- (iv) Transportation Engineering Laboratory
- (v) Survey Laboratory
- (vi) CAD Laboratory
- (vii) Geology Laboratory

Chemical Engineering

- (i) Chemical Reaction Engineering Laboratory
- (ii) Chemical Technology Laboratory
- (iii) Computer Aided Design Laboratory
- (iv) Environmental Engineering Laboratory
- (v) Fluid Particle Mechanics & Mechanical Operation Laboratory
- (vi) Mass Transfer Laboratory
- (vii) Process Dynamics & Control Laboratory

Chemistry

- (i) Undergraduate Chemistry Laboratory

Computer Science and Engineering

- (i) Computing Laboratory
- (ii) Database/ Data Mining Laboratory
- (iii) SOA/ Distributed Computing Laboratory
- (iv) Embedded System/ Real Time System Laboratory
- (v) Computer Architecture / Microprocessor Laboratory
- (vi) Computer Network / Wireless Network Laboratory
- (vii) Image Processing/ Computer Vision Laboratory
- (viii) Software Testing Laboratory
- (ix) Verification & Validation Laboratory

Electrical Engineering

- (i) Computer Simulation Laboratory
- (ii) Virtual Instrumentation Laboratory
- (iii) Power Electronics Laboratory
- (iv) Control System Laboratory
- (v) Electrical Machine & Power System Laboratory
- (vi) Measurement & Instrumentation Laboratory
- (vii) Departmental Research Unit (DRU)

Electronics & Communication Engineering

- (i) Basic Electronics Laboratory
- (ii) Advanced Electronics Laboratory
- (iii) VLSI Laboratory
- (iv) Computer Architecture Laboratory
- (v) Communication Laboratory
- (vi) Project and PCB Laboratory
- (vii) Microwave Laboratory
- (viii) PARAM Laboratory

Mechanical Engineering

- (i) Machine Tool & Advanced Machining Laboratory
- (ii) Materials Characterization Laboratory
- (iii) Machine Elements Laboratory
- (iv) Computer Aided Design Laboratory
- (v) Computer Aided Manufacturing Laboratory
- (vi) Instrumentation Laboratory
- (vii) Automobile Engineering Laboratory
- (viii) Internal Combustion Engine Laboratory
- (ix) Heat & Mass Transfer & Solar Energy Laboratory
- (x) Mechatronics and Virtual Instrumentation Laboratory
- (xi) Product Design and Manufacturing Laboratory
- (xii) Computational and Industrial Engineering Laboratory
- (xiii) Refrigeration and Air Conditioning Laboratory
- (xiv) System Engine Laboratory
- (xv) Steam Engine Laboratory

Physics

- (i) Undergraduate Physics Laboratory
- (ii) Research Laboratory-I
- (iii) Research Laboratory-II

SMS

- (i) Systems Laboratory
- (ii) Behavior Dynamics Laboratory

- (iii) Research Scholars Laboratory

HSS

- (i) Language Laboratory

GIS Cell

- (i) Geoinformatics Laboratory -I
- (ii) Geoinformatics Laboratory-II

3.4 CENTRE FOR INTERDISCIPLINARY RESEARCH (CIR)

The Centre for Interdisciplinary Research (CIR) was established by the Institute in order to promote cross-interdisciplinary research. The centre was inaugurated by Prof. P. Chakrabarti Director, MNNIT Allahabad on Nov. 28, 2012. In view of the dramatic developments in the field of Science and Technology research, CIR has been established in the Institute to keep pace with current cutting edge research.

One of the primary objectives of the Institute is to provide best research and analytical facilities for its entire undergraduate, postgraduate, research scholars and faculty. With this vision, the CIR has been established in the Institute. In addition to serving the Institute, the Centre welcomes researchers from all over the country to use the facility at nominal cost. The Centre also looks forward for collaborative research programme with other leading Technical Institutions/ Universities and Research Laboratories. The functioning of CIR is being coordinated by a core committee and a technical committee constituted by the Director from among the faculty members of the Institute.

3.5 CENTRE FOR MEDICAL DIAGNOSTICS AND RESEARCH (CMDR)

Vision

To provide affordable diagnostic services to all classes of society in the region and offer a high end facility to the researchers which can be in turn used to support the patients in their diagnosis

Mission

The Centre for Medical Diagnostics and Research (CMDR) envisions providing routine and critical diagnostic services as well as to develop skills of scientific research to solve complex medical issues with advanced diagnostic facility under stringent ethical regulation and good laboratory practices.

Objectives

- (i) To provide affordable routine as well as critical diagnostic services to the patients.
- (ii) To offer best-in-class research facility to investigators from MNNIT as well as outside.
- (iii) To disseminate the knowledge among young students to undertake global medical challenges.
- (iv) To facilitate partnerships and interdisciplinary collaborations with medical as well as academic institutes, research laboratories and pharmaceutical industries worldwide working in clinical and medical areas.
- (v) To provide awareness in the society through seminars, workshops and conferences.
- (vi) To offer consultancy services to institutes/ organizations/ other stake holders.

List of Laboratories

- (i) Clinical and Pathological Laboratory
- (ii) Molecular Diagnostic Laboratory
- (iii) Microbiology Laboratory
- (iv) Immunodiagnostic and Tissue Culture Laboratory
- (v) Biosafety Culture Laboratory (Class II)
- (vi) Central Instrumentation Facility

Publication in Journals International

1. R. K. Mishra, V. Mishra, A. Pandey, A. K. Tiwari, S. Sharma, A. C. Pandey and A. Dikshit (2016). Anti-

Malassezia potential of *Nyctanthes arbor-tristis* L. and their target validation of its active constituents over *Mala s* 1. *BMC Complementary and Alternative Medicine* 16: 114. DOI: 10.1186/s12906-016-1092-2, (Impact Factor: 2.2), ISSN: 1472-6882.

2. R. K. Mishra, V. Mishra, S. Sharma, A. C. Pandey and A. Dikshit (2016). Anti-dermatophytic potential of *Ajugabracteosa* Wall Ex Benthleaf extract mediated AgNPs with particular emphasis to lesion on plasma membrane. *Material Focus (In-Press)*. ISSN: 2169-429X.
3. V. Mishra, V. Baranwal, R. K. Mishra, S. Sharma, B. Paul, A. C. Pandey (2016). Titanium dioxide nanoparticles augment allergic airway inflammation and Socs3 expression via NF-κB pathway in murine model of asthma. *Biomaterials* 92: 90-102 (Elsevier) DOI:10.1016/j. biomaterials. 2016.03.016 (Impact Factor: 8.557), ISSN: 014 29612.
4. R. K. Mishra, M. Ramakrishna, V. Mishra, A. Pathak, S. Sharma, A. C. Pandey, S. Rajesh, G. N. Rao and A. Dikshit (2016). Pharmaco-Phylogenetic investigation of methyl gallate isolated from *Acacia nilotica* (L.) and their cytotoxic effect on NIH3T3 mouse fibroblast. *Current Pharmaceutical Biotechnology* 17(6): 540-548. DOI:10.2174/1389 201017666160127110759 (Impact Factor: 2.5), ISSN: 1873-4316.

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/Co-Author)	Book	Book Chapter	Publisher
1.	Dr. Rohit Kumar Mishra, Dr. Shivesh Sharma	Water Stress and Crop Plants: A Sustainable Approach	Mycorrhizal symbiosis: A phenomenal approach towards drought tolerance for sustainable agriculture	Wiley-Blackwell (Verlag)U.K

Conferences/ Workshops/ Short Term Courses organized by the Centre

Sl. No.	Course	Convener/Coordinator	Month & Year
1.	Short Term workshop on "DNA Sequencing: Applications in Diagnostics and Health Care Innovation"	Dr. Shivesh Sharma Dr. Manisha Sachan	08-14 December, 2015
2.	Short Term workshop on "Flow Cytometry: Applications in Research, Diagnostics and Health Care Innovation"	Dr. Shivesh Sharma Dr. Ambak Kr. Rai Dr. Vishnu Agarwal	15-21 December, 2015.
3.	Motivational Science Learning Camp, Theme : Emerging Trends In Higher Education,	Dr. Shivesh Sharma	17-21, February, 2016

Invited Lectures Organized

1. A lecture was delivered by Dr. Anuradha Godavarty, Associate Professor, Department of Biomedical Engineering, Florida International University, Miami FL33174 on 'Near Infrared Optical Imaging Technology for Breast Cancer, Diabetes and Brain Applications' at CMDR seminar Hall, MNNIT Allahabad on 30 July 2015.
2. A lecture was delivered by Prof. Amit Kumar Dinda, In-charge, Renal Pathology Lab, All India Institute of Medical Institute, New Delhi entitled 'Nanomedicine in Health and Diseases' at CMDR seminar Hall, MNNIT Allahabad on 12 Sep 2015.

Research Projects Ongoing/ Completed

Sl. No.	Principle Investigator/ Coinvestigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Project Mentor: Director MNNIT Project Coordinator/PI: Dr. Shivesh Sharma	Design and Innovation Centre	MHRD	1,03,95,000.00	Ongoing
2.	Project Mentor: Dr. Shivesh Sharma PI: Dr. Rohit Mishra	Delineating the role of nano-herbal composites in ergosterol biosynthesis inhibition in ermatophytes	SERB, DST	32,20,000.00	Ongoing

Other relevant information

The Centre for Medical Diagnostic and Research (CMDR), MNNIT Allahabad, is offering facilities for Ph. D. scholars, M. Tech. and B. Tech. students for their research. The students and other stakeholders come and utilize the facilities available in the centre

for their dissertation and research work. In addition, the centre has entered into a memorandum of understanding with Department of Transplant Immunology and Immunogenetics, AIIMS New Delhi.

Staff

Sl. No.	Designation	Name
1.	Coordinator	Dr. Shivesh Sharma
2.	Deputy Coordinator	Dr. Mayank Pandey
3.	Scientific Officer	Dr. Durgesh Kumar Tripathi
4.	Technical Manpower	Mr. Anoop Tripathi

3.6 CENTRAL LIBRARY

An area of about 2455.49 sqm. has been occupied by the present Library building. It contains a Reading Hall measuring 388 sqm. wherein 120 readers can be accommodated at a time, a Stack-room of 470.42 sqm. having a collection of about 96,757 books and a Bound Periodical Section having a collection of 15,331 approx volumes and a sitting capacity of 40 readers at a time. A current periodical section of which 2926 periodicals (Online) plus 1522 International e-Journals (Back files) and National Journals 38 (Print) are being subscribed annually having a sitting capacity of 40 readers at a time is also there.

Membership

The membership of the Central Library is open to students, teachers and other administrative and technical officers and staff of the Institute. The present membership is about 5000 approx.

Working Hours

The Library working hours are from 9:00 am to 12:00 midnight. The circulation section remains open from 09:30 am to 07:30 pm on week days and from 09:00 am to 12:00 pm on Saturdays/ Sundays. A total of 3842 books were procured during the year.

Collection as on 31-3-2016

Bound periodicals	17,651
Books	99,190
Total	1, 16, 841
E-Books	15,064

	Development (ISID) Database
(viii)	JSTOR
(ix)	Nature
(x)	Oxford University Press
(xi)	Web of Science
(xii)	IEEE Online

News Paper and Magazine

Newspaper and Magazine corner is located at first floor in the Library. The Library subscribes 21 Newspapers (12 Hindi and 09 English) and 17 (06 Hindi and 11 English) popular magazines on different topics.

Internet Access Facility

The Central Library provides 25 internet connections and Wi-Fi internet connections to its user and majority of students frequently use on-line journals and e-books for their research activities.

Multimedia Library

Video viewing facility is available for self study through video tapes of course materials and lecturing facility for all users during all working days and Saturdays and Sundays. More than 1343 video tapes are available with the library.

National Programme on Technology Enhanced Learning (NPTEL)

NPTEL provides e-learning through online Web and Video courses in Engineering, Science and humanities streams. The mission of NPTEL is to enhance the quality of engineering education in the country for access of video courses.

Online Public Access Catalogue (OPAC)

Library has fully computerized catalogue search facility available to users through intranet.

E-resource

The following e-Resource are available from eShodh Sindhu consortium:

Sl. No. e-Resource

- (i) ACM Digital Library
- (ii) ASCE Journals
- (iii) ASME Journals
- (iv) ASTM Standards + Digital Library
- (v) Economic & Political Weekly
- (vi) Emerald CFTI Collection (298)
- (vii) Institute for Studies in industrial

Classification & Cataloguing

All the library books are classified as per "Dewey Decimal Scheme of Classification" and catalogued as per "AACR-II rules".

Reprographic Services

Provides for the personal use of users the copies of information materials available in library on payment basis.

Textbook Lending Book Bank

The book bank of the Institute helps the students of U.G. courses and MCA by making textbooks available to them from the book bank for largest duration. About 2592 students were benefited by this scheme and 7776 books were issued to them during the year.

SC/ ST Book Bank

Under centrally sponsored scheme for SC/ ST students, a total of 267 students of U.G. courses were benefited by this scheme and 1335 books issued to them. Under this scheme no rent is being charged from them.

3.7 SCHOOL FOR NON-FORMAL AND CONTINUING EDUCATION (SNFCE)

The Institute offers the opportunity to working engineers in and around Allahabad employed with Industries, Government Departments, Educational Institutions and Entrepreneurs to study for Masters Degree in various disciplines on a part-time basis. These are aimed at improving the standard and quality of technical education through improving of qualifications of the working professionals and faculty members of the government/ Private technical Institute. The classes for these courses are organized in the evening.

M.Tech. (Part-Time) programmes which run under the School for Non Formal and Continuing Education (SNFCE) are of 03 years/ 06 semester duration out of which 02 years are for course work and one year for Thesis/ Dissertation/ Projects. The candidates with minimum 02 years of working

experience are eligible for admission. All academic requirements for admission and graduation will be same as that of regular/ full-time M. Tech programme described in Institute PG Manual.

The Institute provides modernized Lecture Halls, well equipped departmental laboratories, seminar room, computer centre and library in support of smooth running of classes of various M. Tech (Part-Time) Programmes, Faculty Development Programme, Conference/ Seminars, Short Term Courses and Training programme. The actual number of courses for the particular session to be offered is announced through the news papers alongwith other details of application.

It is a self supporting unit within the Institute and participates in organizing seminars, conferences, symposia etc. This unit also organizes short term courses and training programmes to run special course modules and sponsored courses on request from industries and academia.

The cell coordinates the activities of industry needs for academic and continuing education programmes as well as executive development programmes and non-formal education and fosters collaborations for Industry-Institute partnership. A number of Faculty Development Programs (FDPs) have been organized by the SNFCE for the benefit of the faculty members from engineering colleges & persons from industries. The courses have proved very popular and useful.

SNFCE has also coordinated MHRD's Government of India academic improvement programme Global Initiative for Academic Networks (GIAN) in session 2015-16.

3.8 INTELLECTUAL PROPERTY RIGHT CELL (IPR CELL)

The Institute IPR cell has been constituted to maintain high standards of academics and to create a suitable environment for creation and protection of intellectual property.

In the year under report, the IPR Cell took following steps towards achieving the objective:

- (i) Subscription to Turnitin software was revised to check similarity of text with the published material. The login is available to all the Heads of the Departments and faculty of the institute.

- (ii) All the Ph.D. theses are checked by the Cell using 'turnitin' software before submission as per approval of the Senate in its Eleventh (11th) emergent meeting held on 15.07.2014.
- (iii) The draft IPR policy of the Institute is being reviewed as per guidelines by the Board of Governors.
- (iv) With the objective to promote patents and copyrights, a patent agency has been identified by inviting letter of Intent through open tender process; M/s United Overseas Patent Firms New Delhi. The term has been extended for one more year.
- (v) The Institute filed four applications for grant of patent, out of which two have reached the stage of Early publication and Substantive Examination.

Following is the constitution of the IPR Cell

- | | | |
|--------|-----------------------------|------------------------------------|
| (i) | Director | Chairman IPR Cell |
| (ii) | Prof. Geetika, SMS | Chairperson IPR Standing Committee |
| (iii) | Prof. H. Kar, ECED | Member Standing Committee |
| (iv) | Prof. Neeraj Tyagi, CSED | Member Standing Committee |
| (v) | Dr. Shivesh Sharma, OSD | Member Standing Committee |
| (vi) | Dr. Piyali Ghosh, SMS | Member |
| (vii) | Dr. Pramod Kr. Yadav, Maths | Member |
| (viii) | Dr. S. R. Mohanti, ECED | Member |
| (ix) | Er. Asim Mukerjee, ECED | Member |
| (x) | Dr. P. R. Pal, CED | Member |

3.9 NCC AND NSS

National Cadet Corps (NCC)

NCC wing is quite functional and active at MNNIT. Following were the activities carried out by NCC during 2015-16:

- (i) Enrollment for New NCC Cadets (boys and girls) was completed on August 03, 2015.
- (ii) NCC cadets (SD and SW) performed the parade on the auspicious occasion of 69th Independence Day, 2015.
- (iii) NCC cadets participated in Bharat Swachh Abhiyan on the occasion of birth anniversary

- of Mahatma Gandhi i.e. October 02, 2015 at MNNIT, Allahabad.
- (iv) NCC cadets participated in Annual Training Camp, CATC/69 held from September 01-10, 2015 at Triveni Pushp, Arail, Allahabad.
 - (v) NCC cadets run for unity on the occasion of Sardar Patel Jayanti i.e. October 31, 2015 at MNNIT, Allahabad.
 - (vii) Performed NCC parade and March Past by NCC Cadets on occasion of Republic Day, 2016.

National Service Scheme (NSS)

NSS wing is quite functional and active at MNNIT. Following were the activities carried out by NSS during 2015-16.

- (i) NSS volunteers participated in "Rashtriya Swachhata Abhiyan" (National Clean India Mission) on October 02, 2015 on the occasion of Gandhi Jayanti.
- (ii) NSS volunteers participated in "Run for Unity" race organised on October 31, 2015 in fond memories of Sardar Patel.
- (iii) NSS volunteers participated in Independence day programme 2015.

3.10 INSTITUTE HEALTH CENTRE

It is an out-patient centre catering the medical need of approximately 5000 students and all members of faculty and staff & their dependents.

Timing of Health Centre

All working days of the Institute: From 7.30 a.m. to 6.00 p.m.

All Saturdays and Sundays: From 9.00 a.m. to 1.00 p.m.

Facilities

- (i) Consultation & Dispensing of medicines to students, staff & their dependents.
- (ii) Special facilities of E.C.G., sugar testing by Glucometer.
- (iii) Services of Dental surgeon, Orthopedic surgeon, Ophthalmic surgeon, Skin specialist, Gynecologist are available on different days.
- (iv) Homeopathic medicines are also being provided under consultation of Homeopathic consultant.
- (v) Ayurvedic medicines are also being provided under consultation of Ayurvedic

Consultant.

- (vi) Physiotherapist is available for all type of physiotherapy.
- (vii) Organization of different camps and talks for benefit and awareness of mass in diseases like Hepatitis, AIDS, Asthma, Diabetes and Arthritis.

Presently all the works at Health Care Centre are carried out by following staff:

Medical Officer In-charge

Dr. Shailendra Kr. Mishra

Medical Officer

Dr. Shivendra Bisen

Part Time General Duty Doctors

Dr. Sadhna Dwivedi (Lady Doctor)	General Physician
Dr. S. Paulson (Lady Doctor)	General Physician

Part Time Specialist Doctors

Dr. Nishant Nigam	Skin Specialist
Dr. S. K. Agarwal	E.N.T Surgeon
Dr. R. N. Mehrotra	Pediatrician
Dr. Kamal Kumar Singh	Medicine
Dr. Pushkar Nigam	Neuro Physician
Dr. Avinash Jaiswal	Orthopedic
Dr. Puneet Upadhyay	Dental Surgeon

Part Time Homoeopathic Doctor

Dr. K. K. Singh

Part Time Ayurvedic Doctor

Dr. Sanjay Baranwal

Physiotherapist

Mrs. Ashita Tiwari,
Mr. C. Mohd. Soheb

Compounders

Shri Girja Shanker Maurya
Shri Vinod Mishra
Shri R. K. Nirbhay

Three compounders are managing complete dispensing of medicines and assisting specialist doctors during dispensary hours.

Dressers

Two dressers are there to help in dressing, injections and miscellaneous work of Health Centre during working hours.

Nurses

Two Nurses to help doctors and carryout other miscellaneous works.

Medical Attendants

Three attendants, one clerk, one peon and two sweepers are there to help doctors, compounders and dressers.

3.11 VEHICLE SECTION

Use of motorized vehicles (2-4 Wheelers) by Students in MNNIT Allahabad Campus is banned with effect from 21.07.2011.

Vehicle section has following vehicles through which number of facilities is provided to students, staff and faculty members of the Institute.

Cars	Numbers
MUV	02
Bus (52 Seater)	02
Ambulance	01

Facilities Provided

- (i) Bus facility is provided to students from Institute to Civil Lines on all week days.
- (ii) Buses are also provided for education tour of students.
- (iii) Bus facility is provided to wards of staff and faculty members to some selected schools on selected routes on subsidized rates.
- (iv) Vehicles are also provided for any official visit provided approval is accorded by the competent authority.
- (v) Vehicle is also provided to staff and faculty members for picking and dropping from/to Railway Station, Bus Stand and Airport on payment basis. The guidelines for availing this facility and requisition slip is provided on the website of the Institute.
- (vi) Ambulance facility is free of cost to students, staff and faculty members. It is on the subsidized rate of Rs. 5/-km.

Bus Service for Students

Bus facilities to students are provided on following route and time-table:

- (i) Institute (MP Hall) to Civil Lines via Anand Bhawan →Balson Crossing →Medical College Crossing →Indira Bhawan Crossing →Patthar Girija Ghar (Stone Church, Civil Lines).
- (ii) Return by the same route.

Terminus

Near "Patthar Girija Ghar (Stone Church)" (Civil Lines)

Schedule

For Saturday and Sunday

Trip No.	From Institute	From Civil Lines
1	1100 hrs	1230 hrs
2	1430 hrs	1530 hrs
3	1700 hrs	1930 hrs
4	2030 hrs	2130 hrs

For Monday to Friday

Trip No.	From Institute	From Civil Lines
1	1800 hrs	1900 hrs
2	1930 hrs	2000 hrs
3	2030 hrs	2130 hrs

Stoppage: Ganga gate, Crossing for Prayag Station, Anand Bhawan, Hindu Hostel Crossing, Maha Devi Verma Crossing, Hot-stuff Crossing, Stone Church Crossing.

Note: Students are required to carry a valid Institute ID card to avail this service.

Human Resource

Two full time drivers are there in the vehicle section. For rest of the services, manpower is hired through Manpower Providing Agency.

3.12 WOMEN GRIEVANCE CELL

Women Grievance Cell has been constituted in accordance with the guideline issued by Government of India to consider complains related to any sexual discrimination/ harassment of woman in the Institute. At Motilal Nehru National Institute of Technology Allahabad, various measures are taken to ensure a congenial environment where everyone

feels comfortable to perform without any kind of discrimination.

One meeting was held in the year to discuss various measures to create awareness among faculty, staff and students.

- (i) Hoardings have been placed at strategic points in the institute to highlight what may comprise Sexual Harassment to deter occurrence of any such event.
- (ii) Contact details of chairperson are given on the hoarding for everyone's benefit.

In pursuance of the Department of Higher Education, Ministry of Human Resource and Development Office Memorandum No.32-5/2015.TS III dated 17th August,2015 two Committees have been formed for dealing with matters of Women Grievances pertaining to employees and students of the Institute:

Women Advisory Cell

Sl. No.	Name	Designation
1.	Prof. Geetika, Professor, SMS	Chairperson
2.	Prof. P. K. Dutta, Professor, Chemistry	Chairman, Institute Grievance Committee
3.	Dr. Richa Negi, Associate Professor, EED	Member
4.	Dr. Vibhuti Tripathi, Assistant Professor, SMS	Member
5.	Dr. Radha Rani Mewaram, Assistant Professor	Member
6.	Mrs. Manisha Yadav, Assistant Registrar [Academic]	Member
7.	Ms. Sushmita Kanungo, Principal, MPVM	External Member
8.	Ms. Shalini Agrawal, Chief Functionary, NGO AASTHA	External Member
9.	Ms. Akanksha Shukla, Reg. No. 2014RMS01, Research Scholar, SMS,	Student Member
10.	Ms. Harshita Raj, Reg. No. 2014EE18, M.Tech. 2 nd Year, EED	Student Member
11.	Ms. Rushali Chaurasiya, Reg. No. 20128081, B.Tech. Final Year, ECED	Student Member

Internal Complaints Committee [ICC]

1. Prof. Geetika
Chairperson,
Women Grievance Cell
2. Prof. P. K. Dutta
Chairman,
Institute Grievance Committee
3. Dr. Richa Negi
Member
4. Ms. Shalinee Agarwal,
Aastha NGO,
Colonelganj, Allahabad
Member
5. Mrs. Manisha Yadav,
Assistant Registrar
[Academic]
Member

The Institute is committed to ensure an equitable and fair environment for all.

3.13 ALUMNI

Activities organized by Alumni Association during 1st April 2015 to 31st March 2016 are as under:-

Executive Committee Meeting

- (i) 26 April 2015 at 12.00 noon at Executive Development Centre (EDC).
- (ii) 25 July 2015 at 12.00 noon at Executive Development Centre (EDC).
- (iii) 27 September 2015 at 12.00 noon at Executive Development Centre (EDC).
- (iv) 06 February 2016 at 12.00 noon at Executive Development Centre (EDC).

Press Conference held on 06 November 2015 at 2.30 pm at Executive Development Centre (EDC).

Alumni Convention-2015 held on November 07-08, 2015.

Financial assistance was given to the following students:-

- (i) Mr. Jugendra Singh – 20144109 B.Tech. 1st Year CSED
- (ii) Mr. Manoj Kumar – 20139045 B.Tech. 2nd Year Chemical
- (iii) Mr. Ravi Prakash Yadav – 20140048 B.Tech 1st Year Biotechnology

3.14 CANTEEN

The Institute campus has excellent eating outlets, that serve food and cafeteria items at reasonable prices. The outlets are managed by:

- (i) M/s JMD Food Pvt. Ltd.
- (ii) M/s Amul India Pvt. Ltd.
- (iii) M/s Ram Pher
- (iv) M/s Lal Bahadur
- (v) M/s Agrawal Enterprises
- (vi) M/s Goyal Enterprises
- (vii) M/s Deshraj
- (viii) M/s Teerath Raj
- (ix) M/s Raj Canteen
- (x) M/s Mood ka Food
- (xi) M/s Pillai Canteen
- (xii) M/s Rajesh Yadav
- (xiii) M/s Janta Bazar
- (xiv) M/s Ambika Prasad Ojha

- (viii) Mr. Manish Kumar Gautam, Member
MED
- (ix) Mr. Vipul Chaudhary, Biotech. Member
- (x) Mr. Pawan Kumar Singotia, Member
MED
- (xi) Ms. Anjali Priya, ECED Member
- (xii) Registrar (ex-officio) Member

Reservation Cell

Reservation Cell takes care of Central Government reservation policy in the recruitment/ promotion process. All advertisement for recruitment of faculty/ non-faculty is routed through reservation cell.

3.15 SC/ ST AND RESERVATION CELL

SC/ ST Cell has been constituted in the Institute to resolve all the affairs and problems related to the SC/ ST Officers, Employees, and Students of the Institute.

Composition

- (i) Prof. Rakesh Narain, MED Chairman
- (ii) Dr. S. J. Pawar, AMD Convener/
Liaison Officer
- (iii) Dr. Audhesh Narain, MED Member
- (iv) Dr. Radharani Mewaram, Member
Boitech.
- (v) Dr. Pramod Kumar Yadav, Member
Maths
- (vi) Sri. Monujeet Dayal, AMD Member
- (vii) Sri. Ranjeet Kumar Nirbhai, Member
Health Centre

3.16 EXECUTIVE DEVELOPMENT CENTRE (EDC)

EDC has 21 AC and 02 Non-AC rooms as per the following layout:

Rates

Cat.	Type of Accommodation	Tariff for Rooms	
		A/C	Non-A/C
Official	Single Occupancy	₹ 300/-	₹ 200/-
	Double Occupancy	₹ 350/-	₹ 250/-
Non-Official	Single Occupancy	₹ 500/-	₹ 400/-
	Double Occupancy	₹ 600/-	₹ 450/-

Capacity

Floor	No. of Rooms / Hall
Ground Floor	02 [Meeting Hall & Dining Hall]
First Floor	05 AC & 01 Non AC Rooms
Second Floor	06 AC & 01 Non AC Rooms
Third Floor	10 AC Rooms

ADMINISTRATIVE BODIES

- 4.1 Board of Governors
- 4.2 Finance Committee
- 4.3 Building and Works Committee
- 4.4 Senate

4.1 BOARD OF GOVERNORS

Constitution of Board of Governors as per Section 11 of NITs Act 2007 [29 of 2007]

The Chairperson to be nominated by the Visitor

Shri Vijay K. Thadani Vice Chairman & Managing Director NIIT Limited Plot No. 85, Sector 32 Gurgoan, Haryana-122001 & Registered Office: 8, Balaji Estate, First Floor, Guru Ravi Das Marg, Kalkaji New Delhi-110019	Chairman
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The Director, Ex-Officio Member

Prof. P. Chakrabarti Director Motilal Nehru National Institute of Technology Allahabad	Member
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Two persons not below the rank of Joint Secretary to the India to be nominated by the Central Government from amongst persons of Technical education and finance.

Joint Secretary [TEL] Department of Higher Education Ministry of Human Resource Development Government of India Shastri Bhawan New Delhi-110001	Member
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Joint Secretary & Financial Advisor Department of Higher Education Ministry of Human Resource Development Government of India Shastri Bhawan New Delhi-110001	Member
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Two persons nominated by the Government of U.P.

Vacant [since 12-01-2014]	Member
Vacant [since 12-01-2014]	Member

Two persons, at least one of whom shall be a woman, nominated by the Council :

Vacant [since 09-04-2014]	Member
Vacant [since 09-04-2014]	Member

One Professor and one Assistant Professor or a Lecturer of the Institute nominated by the Senate.

(i) Prof. R. K. Srivastava Professor	Member [upto 13.06.2015]
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Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad

Prof. S. K. Duggal
Professor
Member
[w.e.f. 14.06.2015]

Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad

(ii) Dr. Y. K. Gupta
Associate Professor
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad
Member
[upto 13.06.2015]

Dr. Audhesh Narayan
Assistant Professor
Department of Mechanical Engineering
Motilal Nehru National Institute of Technology Allahabad
Member
[w.e.f. 14.06.2015]

The Director of the Indian Institute of Technology in whose zone the Institute is located, or his nominee, not below the rank of a Professor

Director
Indian Institute of Technology Kanpur
P.O. - IIT Kanpur,
Kanpur – 208016 [INDIA]
Member

Registrar of the Institute as Ex-Officio Secretary

Col. Sanjiv Banerjee (Retd.)
Registrar
Motilal Nehru National Institute of Technology Allahabad
Secretary

Five regular meetings and one emergent meeting of the Board of Governors were held during the year 2015-16.

4.2 FINANCE COMMITTEE

Constitution of the Finance Committee as per Statute 10 of the First Statutes of NITs.

The Chairperson Board of Governors, Ex-Officio Chairman

Shri Vijay K. Thadani
Vice Chairman & Managing Director
NIIT Limited, Plot No. 85, Sector 32
Gurgoan, Haryana-122001
&
Registered Office:
8, Balaji Estate, First Floor,
Guru Ravi Das Marg, Kalkaji
New Delhi-110019
Chairman

Director, Ex-Officio Member

Prof. P. Chakrabarti
Director
Member

Motilal Nehru National Institute of Technology Allahabad

Joint Secretary dealing with NIT or his nominee and Financial Advisor [Human Resource Development] or his nominee members.

Joint Secretary [TEL] Member
Department of Higher Education
Ministry of Human Resource Development
Government of India, Shastri Bhawan
New Delhi-110001

Joint Secretary & Financial Advisor Member
Department of Higher Education
Ministry of Human Resource Development
Government of India, Shastri Bhawan
New Delhi-110001

Two persons nominated by the Board from amongst its members

Vacant [since 12-01-2014] Member
Vacant [since 09-04-2014] Member

The Registrar, Ex-Officio Member Secretary

Col. Sanjiv Banerjee (Retd.) Secretary
Registrar
Motilal Nehru National Institute of Technology Allahabad, Allahabad-211004

Five meetings of the Finance Committee were held during the year 2015-16.

4.3 BUILDING AND WORKS COMMITTEE

Constitution of the Building and Works Committee as per Statute 12 of the First Statutes of NITs

The Director, Ex-Officio Chairman of the Committee

Prof. P. Chakrabarti Chairman
Director
Motilal Nehru National Institute of Technology Allahabad , Allahabad

One member nominated by the Central Government not below the rank of Director or Deputy Secretary

The Director [NITs] Member
[Deptt. of Higher Education],
Ministry of Human Resource Development, New Delhi

One member nominated by the Board of Governors

The Superintending Engineer Member
Indian Institute of Technology Kanpur, Kanpur

Dean [Planning and Development] or similar position

(i) Prof. S. K. Duggal Member
Dean [Planning & Development] [upto 31.07.2015]
Motilal Nehru National Institute of Technology Allahabad, Allahabad-211004

- (ii) Prof. Vinod Yadava Member
Dean [Planning & Development], [w.e.f. 01.08.2015]
Motilal Nehru National Institute of Technology Allahabad, Allahabad-211004

One expert each from Civil and Electrical Engineering Wing of Central or State Government or any autonomous body of repute

- (i) The Executive Engineer [Civil] Member
Allahabad Central Division, [upto 17.09.2015]
CPWD, Allahabad
- (ii) Mr. Sanjeev Sehgal Member
Engineer, [w.e.f. 18.09.2015]
Northern Central Railway,
Allahabad, U.P.
- (i) The Executive Engineer [Electrical] Member
Allahabad Central Division [upto 17.09.2015]
CPWD, Allahabad
- (ii) Mr. Satendra Singh Member
Superintending Engineer [w.e.f. 18.09.2015]
[Chief Engineer Zone Air Force]
MES, Bamrauli
Allahabad-211012, U. P.

Registrar, Ex-Officio Member Secretary

- (i) Col. Sanjiv Banerjee (Retd.) Member Secretary
Registrar
Motilal Nehru National Institute of Technology Allahabad
- The Director [Finance] Special Invitee
Integrated Finance Division
Department of Higher Education
Ministry of Human Resource Development
Government of India
New Delhi

Two meetings of the Building and Works Committee were held during the year 2015-16.

4.4 SENATE

Constitution of the Senate as per Section 14 of the NITs Act – 2007

The Director, Ex-Officio Chairman

1. Prof. P. Chakrabarti, Director Chairman

The Deputy Director, Ex-Officio

2. Deputy Director [Vacant] Member

Professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute

Member

- | | |
|--|--|
| 1. Prof. A. K. Misra, CSED [Retd on 31.07.15] | 25. Prof. Anil Kumar Sachan, CED |
| 2. Prof. I. K. Bhat, AMD [On Leave] | 26. Prof. P. P. Sahay, Physics |
| 3. Prof. R. K. Srivastava, CED | 27. Prof. A. K. Singh, CED |
| 4. Prof. P. K. Mishra, MED [Retd on 31.08.15] | 28. Prof. R. D. Gupta, CED |
| 5. Prof. Sudarshan Tiwari, ECED [On Leave] | 29. Prof. A. D. Bhatt, MED |
| 6. Prof. S. K. Duggal, CED | 30. Prof. Sanjay Chaubey, Physics |
| 7. Prof. P. R. Agrawal, SMS [On Leave] | 31. Prof. R. K. Tripathi, EED |
| 8. Prof. Nirjhar Roy, MED [Retd on 31.03.16] | 32. Prof. R. S. Yadav, CSED |
| 9. Prof. Vineeta Agarwal, EED | 33. Prof. V. K. Srivastava, ECED |
| 10. Prof. Dinesh Chandra, EED [Retd on 30.11.15] | 34. Prof. R. C. Vaishya, CED |
| 11. Prof. R. K. Srivastava, MED | 35. Prof. Ram Pal Singh, CED |
| 12. Prof. Rajeev Tripathi, ECED | 36. Prof. Niroj Banerjee, HSS |
| 13. Prof. M. M. Gore, CSED | 37. Prof. H. S. Goyal, MED |
| 14. Prof. K. K. Shukla, AMD | 38. Prof. Vijaya Bhauria, ECED |
| 15. Prof. Rakesh Narain, MED | 39. Prof. Neeraj Tyagi, CSED |
| 16. Prof. Anuj Jain, AMD | 40. Prof. Ravi Prakash, MED |
| 17. Prof. N. D. Pandey, Chemistry | 41. Prof. Amit Dhawan, ECED. |
| 18. Prof. Suneeta Agarwal, CSED | 42. Prof. Shubhi Purwar, EED |
| 19. Prof. Geetika, SMS | 43. Prof. Shiv Dutt Kumar, Mathematics |
| 20. Prof. R. K. Singh, EED | 44. Prof. S. S. Narvi, Chemistry |
| 21. Prof. Vinod Yadva, MED | 45. Prof. K. N. Pandey, MED |
| 22. Prof. R. P. Tiwari, CED | 46. Prof. R. K. Nagaria, ECED |
| 23. Prof. P. K. Dutta, Chemistry | 47. Prof. P. K. Mehta, CED |
| 24. Prof. Haranath Kar, ECED | |

Three persons, one of whom shall be a woman, not being employees of this Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities.

- | | |
|---|--------|
| 1. Prof. Sumathi Rao
Professor 'H'
Department of Physics
Harish-Chandra Research Institute
Chhatnag Road, Jhansi, Allahabad | Member |
| 2. Prof. S. N. Singh
Professor,
Department of Electrical Engineering,
Indian Institute of Technology Kanpur, Kanpur | Member |
| 3. Prof. Partha Basu
Professor
Department of Humanities & Social Sciences
Indian Institute of Technology Kharagpur, Kharagpur | Member |

Registrar, Secretary of the Senate [Section 18[2] of the NITs Act]

Col. Sanjiv Banerjee (Retd.) Registrar Motilal Nehru National Institute of Technology Allahabad	Secretary
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Four regular meetings and two emergent meeting of the Senate were held during the year 2015-16.

THE STAFF

- 5.1 Academic Staff**
- 5.2 Administrative Officers**
- 5.3 Technical Staff**
- 5.4 Ministerial Staff**
- 5.5 Supporting Staff**

5.1 ACADEMIC STAFF

Head of Institution

Prof. P. Chakarbarti

Director

Professors		
Sl. No.	Name	Department
1.	Dr. I. K. Bhat [On Leave]	Applied Mechanics
2.	Dr. K. K. Shukla	Applied Mechanics
3.	Dr. Anuj Jain	Applied Mechanics
4.	Dr. N. D. Pandey	Chemistry
5.	Dr. P. K. Dutta	Chemistry
6.	Dr. S. S. Narvi	Chemistry
7.	Dr. R. K. Srivastava	Civil Engineering
8.	Dr. S. K. Duggal	Civil Engineering
9.	Dr. R. P. Tiwari	Civil Engineering
10.	Dr. Anil Kumar Sachan	Civil Engineering
11.	Dr. A. K. Singh	Civil Engineering
12.	Dr. R. D. Gupta	Civil Engineering
13.	Dr. R. C. Vaishya	Civil Engineering
14.	Dr. Ram Pal Singh	Civil Engineering
15.	Dr. P. K. Mehta	Civil Engineering
16.	Dr. A. K. Mishra [Retd. on 31.07.2015]	Computer Science Engineering
17.	Dr. M. M. Gore	Computer Science Engineering
18.	Dr. (Mrs) Suneeta Agarwal	Computer Science Engineering
19.	Dr. R. S. Yadav	Computer Science Engineering
20.	Dr. Neeraj Tyagi	Computer Science Engineering
21.	Dr. (Mrs) Vineeta Agarwal	Electrical Engineering
22.	Dr. Dinesh Chandra [Retd. on 30.11.2015]	Electrical Engineering
23.	Dr. R. K. Singh	Electrical Engineering
24.	Dr. R. K. Tripathi	Electrical Engineering
25.	Dr. (Mrs.) Shubhi Purwar	Electrical Engineering
26.	Dr. Sudarshan Tiwari [On Leave]	Electronics & Communication Engineering
27.	Dr. Rajeev Tripathi	Electronics & Communication Engineering
28.	Dr. Haranath Kar	Electronics & Communication Engineering
29.	Dr. V. K. Srivastava	Electronics & Communication Engineering
30.	Dr. (Mrs.) Vijaya Bhadauria	Electronics & Communication Engineering
31.	Dr. Amit Dhawan	Electronics & Communication Engineering
32.	Dr. R. K. Nagaria	Electronics & Communication Engineering
33.	Dr. Niroj Banerjee	Humanities & Social Science
34.	Dr. Shiv Dutt Kumar	Mathematics
35.	Dr. P. K. Mishra [Retd. on 31.08.2015]	Mechanical Engineering
36.	Dr. Nirjhar Roy [Retd. on 31.03.2016]	Mechanical Engineering
37.	Dr. R. K. Srivastava	Mechanical Engineering
38.	Dr. Rakesh Narian	Mechanical Engineering
39.	Dr. Vinod Yadava	Mechanical Engineering
40.	Dr. A. D. Bhatt	Mechanical Engineering
41.	Dr. H. S. Goyal	Mechanical Engineering
42.	Dr. Ravi Prakash	Mechanical Engineering
43.	Dr. K. N. Pandey	Mechanical Engineering
44.	Dr. P. P. Sahay	Physics

45.	Dr. Sanjay Chaubey	Physics
46.	Dr. P. R. Agrawal [On Leave]	School of Management Studies
47.	Dr. (Ms.) Geetika	School of Management Studies

ASSOCIATE PROFESSORS		
Sl. No.	Name	Department
1.	Dr. Ravi Prakash Tiwari	Applied Mechanics
2.	Dr. S. J. Pawar	Applied Mechanics
3.	Dr. Shivesh Sharma	Biotechnology
4.	Dr. (Mrs.) Anjana Pandey	Biotechnology
5.	Dr. (Mrs.) Sadhana Sachan	Chemical Engineering
6.	Dr. G. K. Mehrotra	Chemistry
7.	Dr. Y. K. Gupta	Civil Engineering
8.	Dr. L. K. Mishra	Civil Engineering
9.	Dr. Rakesh Kumar	Civil Engineering
10.	Dr. Raj Mohan Singh	Civil Engineering
11.	Sri Rajesh Tripathi	Computer Science Engineering
12.	Dr. D. S. Kushawaha	Computer Science Engineering
13.	Dr. Anil Kumar Singh	Computer Science Engineering
14.	Sri Manoj Wairiya	Computer Science Engineering
15.	Dr. D. K. Yadav	Computer Science Engineering
16.	Dr. Anirudh Narain	Electrical Engineering
17.	Dr. Paulson Samuel	Electrical Engineering
18.	Dr. Asheesh Kumar Singh	Electrical Engineering
19.	Dr. Rajesh Gupta	Electrical Engineering
20.	Dr. Nand Kishor	Electrical Engineering
21.	Dr. (Mrs.) Richa Negi	Electrical Engineering
22.	Dr. Vijay Shankar Tripathi	Electronics & Communication Engineering
23.	Dr. Ram Awadh Mishra	Electronics & Communication Engineering
24.	Dr. (Mrs.) Ambalika Sinha	Humanities & Social Science
25.	Dr. Pankaj Srivastava	Mathematics
26.	Dr. Manoj Kumar	Mathematics
27.	Dr. S. N. Pandey	Mathematics
28.	Dr. S. K. Poddar	Mechanical Engineering
29.	Dr. Mukul Shukla	Mechanical Engineering
30.	Dr. Rajeev Srivastava	Mechanical Engineering
31.	Dr. Avanish Kumar Dubey	Mechanical Engineering
32.	Dr. M. K. Khurana	Mechanical Engineering
33.	Dr. S. N. Pandey	Physics
34.	Dr. Arvind Agrawal	Physics
35.	Dr. Tanuj Nandan	School of Management Studies
36.	Dr. Ganesh Prasad Sahu	School of Management Studies

Assistant Professors		
Sl. No.	Name	Department
1.	Dr. Ramesh Pandey	Applied Mechanics
2.	Dr. Akshoy Ranjan Paul	Applied Mechanics
3.	Dr. Abhishek Kumar	Applied Mechanics
4.	Dr. Anindya Bhar	Applied Mechanics
5.	Dr. V. Murari	Applied Mechanics
6.	Dr. Ashutosh Kumar Upadhaya	Applied Mechanics

7.	Dr. Ajaya Bharti	Applied Mechanics
8.	Dr. Vivek Kumar Patel	Applied Mechanics
9.	Dr. (Mrs.) Sangeeta Negi	Biotechnology
10.	Dr. Vishnu Agarwal	Biotechnology
11.	Dr. Nand Kumar Singh	Biotechnology
12.	Dr. (Mrs.) Manisha Sachan	Biotechnology
13.	Dr. (Mrs.) Seema Nara	Biotechnology
14.	Dr. Ashutosh Mani	Biotechnology
15.	Dr. (Mrs.) Radha Rani Mewaram	Biotechnology
16.	Dr. Ambak Kumar Rai	Biotechnology
17.	Dr. Sameer Srivastava	Biotechnology
18.	Dr. Sanjay Kumar	Biotechnology
19.	Dr. Ankur Gaur	Chemical Engineering
20.	Dr. Suantak Kamsonlian	Chemical Engineering
21.	Dr. Sushil Kumar	Chemical Engineering
22.	Dr. Mohd Siraj Alam	Chemical Engineering
23.	Dr. Harinder Singh	Chemical Engineering
24.	Dr. Ashish Nivrittinath Sawarkar	Chemical Engineering
25.	Dr. Shabih-Ul-Hasan	Chemical Engineering
26.	Dr. Tamal Ghosh	Chemistry
27.	Dr. Ashutosh Pandey	Chemistry
28.	Dr. Kumar Venkatesh	Civil Engineering
29.	Dr. Hemant Kumar Pandey	Civil Engineering
30.	Dr. Gautam Ghosh	Civil Engineering
31.	Dr. Priya Ranjan Pal	Civil Engineering
32.	Dr. Nek Ram Rawal	Civil Engineering
33.	Dr. (Mrs.) Shalinee Shukla	Civil Engineering
34.	Dr. Varun Singh	Civil Engineering
35.	Dr. Rama Shankar	Civil Engineering
36.	Dr. Kumar Pallav	Civil Engineering
37.	Dr. (Ms.) Debolina Basu	Civil Engineering
38.	Dr. Mayank Pandey	Computer Science Engineering
39.	Dr. Anoj Kumar	Computer Science Engineering
40.	Dr. Krishna Kumar Mishra	Computer Science Engineering
41.	Dr. Ran vijay	Computer Science Engineering
42.	Dr. Shashank Srivastava	Computer Science Engineering
43.	Dr. (Mrs.) Pragya Dwivedi	Computer Science Engineering
44.	Mr. Nitin Singh	Electrical Engineering
45.	Dr. S. R. Mohanty	Electrical Engineering
46.	Dr. Deepak Kumar	Electrical Engineering
47.	Mr. Asim Mukharjee	Electronics & Communication Engineering
48.	Dr. Arvind Kumar	Electronics & Communication Engineering
49.	Sri Rajeev Gupta	Electronics & Communication Engineering
50.	Dr. V. Krishna Rao	Electronics & Communication Engineering
51.	Dr. Basant Kumar	Electronics & Communication Engineering
52.	Dr. Arun Prakash	Electronics & Communication Engineering
53.	Dr. (Mrs.) Shweta Tripathi	Electronics & Communication Engineering
54.	Dr. Yogendra Kumar Prajapati	Electronics & Communication Engineering
55.	Dr. Manish Tiwari	Electronics & Communication Engineering
56.	Dr. Sanjeev Rai	Electronics & Communication Engineering
57.	Dr. Karuppanan P.	Electronics & Communication Engineering

58.	Dr. Santosh Kumar Gupta	Electronics & Communication Engineering
59.	Dr. Rajesh Kumar Shastri	Humanities & Social Science
60.	Dr. (Mrs.) Jyotsana Sinha	Humanities & Social Science
61.	Dr. Ravindra Tripathi	Humanities & Social Science
62.	Dr. Mukesh Kumar	Mathematics
63.	Dr. Sahadev Padhye	Mathematics
64.	Dr. Pitam Singh	Mathematics
65.	Dr. Gorakh Nath	Mathematics
66.	Dr. Buddakkagari Vasu	Mathematics
67.	Dr. Pramod Kumar Yadav	Mathematics
68.	Dr. (Mrs.) Surabhi Tiwari	Mathematics
69.	Dr. Audhesh Narain	Mechanical Engineering
70.	Dr. Samir Saraswati	Mechanical Engineering
71.	Dr. (Mrs.) Vandana Agrawal	Mechanical Engineering
72.	Dr. S. Bhola Nath Mishra	Mechanical Engineering
73.	Dr. Venketeshwara Rao Koma	Mechanical Engineering
74.	Dr. Praveen Kumar Agrawal	Mechanical Engineering
75.	Dr. Rabindra Kumar Patel	Mechanical Engineering
76.	Dr. Dharmendra Kumar Shukla	Mechanical Engineering
77.	Dr. (Mrs.) Pragya Shandilya	Mechanical Engineering
78.	Dr. Rahul Dev	Mechanical Engineering
79.	Dr. Jagadish Chandra Mohanta	Mechanical Engineering
80.	Dr. Manish Gupta	Mechanical Engineering
81.	Dr. Manoj Kumar Gupta	Mechanical Engineering
82.	Dr. Bireswar Paul	Mechanical Engineering
83.	Dr. Bhore Skylab Pavalas	Mechanical Engineering
84.	Dr. Naresh Kumar	Physics
85.	Dr. Animesh Kumar Ojha	Physics
86.	Dr. (Mrs.) Tripti Singh	School of Management Studies
87.	Dr. (Ms.) Piyali Ghosh	School of Management Studies
88.	Dr. (Mrs.) Vibhuti Tripathi	School of Management Studies

Assistant Professors [On Contract]		
Sl. No.	Name	Department
1.	Mr. Anupam Rawat	Civil Engineering
2.	Mr. Vijay Kumar	Civil Engineering
3.	Mr. Vishwajeet Pratap Singh	Civil Engineering
4.	Mr. Divya Kumar	Computer Science Engineering
5.	Mr. Dushyant Kumar Singh	Computer Science Engineering
6.	Mr. Dinesh Singh	Computer Science Engineering
7.	Ms. Shashwati Banerjea	Computer Science Engineering
8.	Ms. Rajitha B.	Computer Science Engineering
9.	Mr. Rupesh Kumar Dewang	Computer Science Engineering
10.	Ms. Santi Kumari Behera [Resigned on 18.06.2015]	Computer Science Engineering
11.	Dr. Navneet Kumar Singh	Electrical Engineering
12.	Mr. Niraj Kumar Choudhary	Electrical Engineering
13.	Mr. M. Venkatesh Naik	Electrical Engineering
14.	Mr. Vadthiya Narendar	Electronics & Communication Engineering
15.	Mr. Mohammad Kaifi	Electronics & Communication Engineering
16.	Mr. Manohar Yadav	GIS Cell
17.	Ms. Sonam Agarwal	GIS Cell

18.	Mr. Ramji Dwivedi	GIS Cell
19.	Mr. Sunil Kumar Gupta	Mechanical Engineering
20.	Mr. Jitendra Narayan Gangwar	Mechanical Engineering
21.	Mr. Binayaka Nahak	Mechanical Engineering

Heads of the Departments			
Sl. No.	Name	Department	Remarks
1.	(i) Prof. Anuj Jain (ii) Dr. R. P. Tiwari	Applied Mechanics Applied Mechanics	upto 17.08.2015 w.e.f. 18.08.2015
2.	Dr. Anjana Pandey	Biotechnology	
3.	Prof. S. S. Narvi	Chemistry	
4.	Dr. Sadhana Sachan	Chemical Engineering	
5.	Prof. R. S. Yadav	Computer Science Engineering	
6.	(i) Prof. A. K. Sachan (ii) Prof. A. K. Singh	Civil Engineering Civil Engineering	upto 26.07.2015 w.e.f. 27.07.2015
7.	(i) Prof. R. K. Tripathi (ii) Prof. Shubhi Purwar	Electrical Engineering Electrical Engineering	upto 10.07.2015 w.e.f. 11.07.2015
8.	(i) Prof. H. Kar (ii) Prof. V. K. Srivastava	Electronics & Communication Engineering Electronics & Communication Engineering	upto 10.08.2015 w.e.f. 11.08.2015
9.	Prof. R. C. Vaishya	Chairman, GIS Cell	
10.	(i) Prof. Niroj Banerji (ii) Dr. Ambalika Sinha	Humanties & Social Sciences Humanties & Social Sciences	upto 22.08.2015 w.e.f. 23.08.2015
11.	(i) Prof. R. K. Srivastava (ii) Prof. Rakesh Narain	Mechanical Engineering Mechanical Engineering	upto 15.06.2015 w.e.f. 16.06.2015
12.	(i) Prof. S. N. Pandey (ii) Prof. Pankaj Srivastava	Mathematics Mathematics	upto 20.09.2015 w.e.f. 21.09.2015
13.	Dr. S. N. Pandey	Physics	
14.	(i) Prof. Geetika (ii) Dr. Tanuj Nandan	School of Management Studies School of Management Studies	upto 22.08.2015 w.e.f. 23.08.2015

Deans			
Sl. No.	Name	Division	Remarks
1.	(i) Prof. K. K Shukla (ii) Prof. Geetika	Dean [Academic] Dean [Academic]	upto 31.07.2015 w.e.f. 01.08.2015
2.	(i) Prof. S. K. Duggal (ii) Prof. Vinod Yadava	Dean [Planning & Development] Dean [Planning & Development]	upto 31.07.2015 w.e.f. 01.08.2015
3.	Prof. R. K. Srivastaava	Dean [Research & Consultancy]	
4.	(i) Prof. Rakesh Narain (ii) Prof. S. K. Duggal	Dean [Faculty Welfare] Dean [Faculty Welfare]	upto 15.06.2015 w.e.f. 16.06.2015
5.	Prof. R. P. Tiwari	Dean [Student Welfare]	
6.	Prof. N. D. Pandey	Dean [Resource Generation & International Affairs]	

5.2 ADMINISTRATIVE OFFICERS

Sl. No.	Name	Designation	Remarks
1.	Col. Sanjiv Banerjee (Retd)	Registrar	
2.	Dr. Sarvesh K. Tiwari [On Leave]	Dy. Registrar (Academic)	
3.	Shri Uma Shankar Sharma	Dy. Registrar [Accounts]	
4.	Shri Shwetank Parihar	Assistant Registrar	
5.	Mrs. Manisha Yadav	Assistant Registrar	
6.	Shri Mohd. Danish Ansari	Assistant Registrar	
7.	Shri Gyanendra Kumar Tiwari	Assistant Registrar	
8.	Shri Satyajeet Kumar	Assistant Registrar	
9.	Shri Manas Agrawal	Assistant Registrar	
10.	Shri Manish Kumar	Executive Engineer	
11.	Shri Arvind Kumar Singh	Engineer [Electrical Maintenance]	
12.	Shri Raghvendra Singh	SAS Officer	
13.	Shri S. P. Verma	SAS Officer	
14.	Shri Prabhat Ranjan [Resigned on 06.11.15]	Senior Technical Officer	
15.	Shri Abhay Singh	Programmer	
16.	Shri S. K. Srivastava [Retd. on 31.01.16]	Foreman	
17.	Shri Satanand Yadav	Foreman	
18.	Shri Ritesh Sahu	Dy. Librarian	
19.	Shri Arvind Kant Singh	Assistant Librarian	

5.3 TECHNICAL STAFF

Technical Assistant [SG-I]

1. Shri Trivikram
2. Shri D. K. Dwivedi
3. Shri Shri Kant

Technical Assistant [SG-II]

1. Shri Jeet Lal Yadav
2. Shri A. K. Agrawal
3. Shri Sanjay Singh [Joined on 26.02.2016]

Technical Assistant

1. Shri Rajendra Prasad
2. Smt. Anju Jha
3. Shri Manoj Singh Bonal
4. Shri Ashutosh Kr. Gupta
5. Smt. Sangeeta Rani
6. Shri Chedi Lal Patel

Senior Technical Assistant

1. Shri Harish Chandra
2. Shri S. N. Chaturvedi
3. Shri Pankaj Sikka

Assistant Engineer

1. Shri K. N. Singh

Junior Engineer [Civil Maintenance]

1. Shri Sanjay Singh

Technician [SG-I]

1. Shri Gyanandra Singh
2. Shri Shri Kant Tiwari
3. Shri Afzal Ahmad
4. Shri Ranjeet Singh
5. Shri Nanku Lal
6. Shri Om Prakash
7. Shri Ram Naresh [Retd. on 31.01.2016]
8. Shri R. K. Sharma

Technician [SG-II]

1. Shri Badri Prasad
2. Shri Lal Das
3. Shri Ram Shiromani
4. Shri Brij Lal
5. Shri Algoo Prasad
6. Shri Bharat Lal
7. Shri Ramji
8. Shri Keshav Kumar
9. Shri Ramesh Chandra Pal
10. Shri Diwakar Tiwari
11. Shri Man Singh
12. Kanhaiya Lal
13. Shri Gopal Ram
14. Shri Ram Chandra-II
15. Shri Radhey Shyam

16. Shri Om Prakash Parashar

Senior Technician

1. Shri Anurudh Bahadur
2. Shri Kamla Prasad
3. Shri Moti Lal
4. Shri Rakesh Gupta
5. Shri Uma Shanker
6. Shri Manoj Kr.Tripathi
7. Shri Hari Shanker
8. Shri Lal Bahadur Yadav
9. Shri Nand Lal
10. Shri Ram Saiwan
11. Shri Shiv Murat Yadav
12. Shri Ram Bahadur Yadav
13. Shri. D. N. Pandey
14. Shri Satya Narain Singh
15. Shri Brijesh Kumar
16. Shri Bhola
17. Shri Ram Lakhan
18. Shri Rama Shankar

Pharmacist [SG-II]

1. Shri G.S. Maurya

Senior Pharmacist

1. Shri Vinod Kumar Mishra
2. Shri Ranjeet Kumar Nirbhai

5.4 MINISTERIAL STAFF

Superintendent [SG-II]

1. Shri A. B. Singh

Senior Superintendent

1. Shri Shiva Kant Mishra
2. Shri B. L. Yadav
3. Shri B. D. Tripathi [Retd. on 30.06.2015]
4. Shri R. K. Pandey
5. Shri M. C. Singh
6. Shri Ram Naresh [Retd. on 31.12.2015]
7. Shri Ganga Prasad
8. Shri S. A. Farooqui

Superintendent

1. Shri Banwari Lal
2. Shri H. I. Malik
3. Shri Girja Shankar
4. Shri V. K. Gaur [Retd. on 31.07.2015]
5. Shri Sangam Lal Kushwaha
6. Shri Viveka Nand
7. Shri Tribhwan N. Tripathi

8. Shri Babban Singh
9. Shri Amar Singh Yadav
10. Shri S. K. Gaur
11. Shri Sri Kant [Joined on 17.02.2016]

Assistant [SG-I]

1. Shri Y. P. Tripathi
2. Shri Ram Adhar [Retd. on 31.07.2015]
3. Shri Shahid Irfan
4. Shri Ram Acharj Yadav
5. Shri Zia Uddin [Retd. on 30.06.2015]
6. Shri Shyam Babu
7. Shri S. K. Srivastava
8. Shri Shyam Lal Yadav
9. Shri Anil Kumar
10. Shri Mewalal
11. Shri Chandrabhan
12. Shri Shiv Karan Patel
13. Shri Amrit Lal
14. Shri Subhas Ram

Assistant [SG-II]

1. Shri Sanjay Yadav

Senior Assistant

1. Shri A. V. Pathak
2. Shri Vijai Pal
3. Shri Mohd. Saqib
4. Shri Bechan Ram
5. Shri Sangam Lal
6. Shri Anant Kumar Tiwari
7. Smt. Veena Singh
8. Smt Madhu Yadav
9. Shri Chet Ram Bhartiya
10. Shri Vinod Kumar
11. Shri Deepak Kumar

Junior Assistant

1. Shri Prem Chand [Joined on 18.02.2016]

Senior Secretary

1. Shri Nirmal Kumar Shukla

Secretary

1. Shri Ram Baran

5.5 SUPPORTING STAFF

Attendant

1. Shri T. N. Shukla
2. Shri Om Prakash Yadav
3. Shri S. R. Kushwaha

- | | |
|--|---|
| 4. Shri Riyaz Ahmad | 44. Shri Kailash |
| 5. Shri. Tribhuvan Singh Yadav | 45. Shri Rajendra Pd. |
| 6. Shri Mahesh Kumar | 46. Shri Pappu Lal |
| 7. Shri Jeet Lal II | 47. Shri Rajesh |
| 8. Shri Gyan Chandra | 48. Shri Mohan Lal |
| 9. Shri Ram Nath | 49. Shri Banwari Lal |
| 10. Shri Paras Nath | 50. Shri Mobeen Ahmad [Retired on 31.01.2016] |
| 11. Shri S. N. Shukla | 51. Shri Lallu |
| 12. Shri Naresh Chandra | 52. Shri Sangam Lal Yadav |
| 13. Shri D. S. Mishra | 53. Shri Brij Mohan Yadav |
| 14. Shri K. P. Maurya | 54. Shri Ram Mani Yadav |
| 15. Shri R. S. Pal | 55. Shri Laloo |
| 16. Shri Ram Dulare | 56. Shri Harish Chandra Pal |
| 17. Shri Jhaloo Lal [Expired on 01.01.2016] | 57. Shri Raj Narian Kashyap |
| 18. Shri Amar Nath [Retired on 30.06.2015] | 58. Smt Urmila Devi |
| 19. Shri Satya Narain | 59. Smt Raj Kali [Expired on 24.07.2015] |
| 20. Shri Sudhakar Tiwari | 60. Shri Ram Nath Pal |
| 21. Shri Raja Ram | 61. Shri Jeet Lal Yadav |
| 22. Shri Phool Chandra | 62. Shri Jahli Singh |
| 23. Shri Amar Nath Patel | 63. Shri Duryodhan Lal |
| 24. Shri Om Prakash | 64. Shri Nand Lal Prajapati |
| 25. Shri Prem Chandra [Retired on 29.02.2016] | 65. Shri H.C. Maurya |
| 26. Shri Paras Nath Saroj | 66. Shri Nand Lal |
| 27. Shri Jagdish Prasad | 67. Shri Monu Jeet Dayal |
| 28. Shri Rakesh Kr. Mishra [Expired on 15.06.2015] | 68. Shri Ramakant Pal |
| 29. Shri Masuriya Deen Maurya | 69. Shri Hari Lal Yadav |
| 30. Shri Radhey Shyam | 70. Shri Jagan Nath alias Lallu |
| 31. Shri Rajendra Kumar | 71. Shri Husala Pd. |
| 32. Shri Parmanand [Retired on 31.08.2015] | 72. Shri Shobh Nath Maurya |
| 33. Shri Ramesh | 73. Shri Jag Lal |
| 34. Smt. Sheela | 74. Shri Gulab Chandra |
| 35. Shri Ram Dulare | 75. Shri Pawan Kumar Mishra |
| 36. Smt. Nirmala Devi | 76. Smt Geeta Devi |
| 37. Shri Ranjeet | 77. Shri Ram Sanehi Maurya |
| 38. Smt. Bittan Devi [Retired on 31.07.2015] | 78. Smt. Kaushalya Devi |
| 39. Shri Shankar Lal | 79. Shri Om Parkash Yadav |
| 40. Shri Anil | 80. Shri Rajendra Pd. |
| 41. Shri Suresh | 81. Shri Suraj |
| 42. Shri Raju | 82. Shri Shyam Lal Pal |
| 43. Shri Parkash | 83. Shri Ram Jatan Maurya |

ACADEMIC PROGRAMMES

- 6.1 Bachelor of Technology (B.Tech.)
- 6.2 Master of Technology (M.Tech.)
- 6.3 Master of Business Administration (M.B.A.)
- 6.4 Master of Computer Applications (M.C.A.)
- 6.5 Master of Science (M.Sc.)
- 6.6 Master of Social Work (M.S.W.)
- 6.7 Doctoral Programmes (Ph.D.)

**6.1 BACHELOR OF TECHNOLOGY (B.TECH.)
DEGREE COURSES (4 YEARS / 8 SEMESTERS)**

- (i) Biotechnology
- (ii) Chemical Engineering
- (iii) Civil Engineering
- (iv) Computer Science Engineering
- (v) Electrical Engineering
- (vi) Electronics and Communication Engineering
- (vii) Information Technology
- (viii) Mechanical Engineering
- (ix) Production & Industrial Engineering

**6.2 MASTER OF TECHNOLOGY (M.TECH.) DEGREE
COURSE**

Regular (2 Years/ 4 Semesters)

Applied Mechanics Department

- (i) Applied Mechanics
- (ii) Biomedical Engineering
- (iii) Fluids Engineering
- (iv) Material Science and Engineering

Biotechnology Department

- (i) Biotechnology

Chemical Engineering Department

- (i) Chemical Engineering

Civil Engineering Department

- (i) Civil Engineering (Environmental Engineering)
- (ii) Civil Engineering (Geo-Technical Engineering)
- (iii) Civil Engineering (Structural Engineering)
- (iv) Civil Engineering (Environmental Geo-technology)

Computer Science Engineering Department

- (i) Computer Science Engineering
- (ii) Software Engineering
- (iii) Information Security

Electrical Engineering Department

- (i) Electrical Engineering (Control & Instrumentation)
- (ii) Electrical Engineering (Power Electronics & ASIC Design)
- (iii) Electrical Engineering (Power System)

**Electronics and Communication Engineering
Department**

- (i) Electronics Engineering (Digital System)
- (ii) Electronics Engineering (Microelectronics and VLSI Design)
- (iii) Electronics Engineering (Communication System)

Mechanical Engineering Department

- (i) Mechanical Engineering (Design Engineering)
- (ii) Mechanical Engineering (Production Engineering)
- (iii) Mechanical Engineering (Computer Aided Design and Manufacturing)
- (iv) Mechanical Engineering (Product Design & Development)
- (v) Mechanical Engineering (Thermal Engineering)

GIS Cell

- (i) GIS and Remote Sensing

Part-Time (3 Years/ 6 Semesters)

Civil Engineering Department

- (i) Civil Engineering (Environmental Engineering)

Computer Science Engineering Department

- (i) Software Engineering

Electrical Engineering Department

- (i) Electrical Engineering (Power Electronics & ASIC Design)

Mechanical Engineering Department

- (i) Mechanical Engineering (Production Engineering)

**6.3 MASTER OF BUSINESS ADMINISTRATION
(MBA), (2 Years/ 4 Semesters)**

Following specializations are offered:

- (i) Finance
- (ii) Marketing
- (iii) Human Resource
- (iv) Systems
- (v) Productions and Operations
- (vi) Engineering Management

6.4 MASTER OF COMPUTER APPLICATIONS (MCA), (3 Years/ 6 Semesters)

6.5 MASTER OF SCIENCE (M.Sc.), (2 Years/ 4 Semesters)

- (i) Mathematics and Scientific Computing

6.6 MASTER OF SOCIAL WORK (MSW), (2 Years/ 4 Semesters)

Following specializations are offered:

- (i) Human Resource Management
- (ii) Rural Development & Micro-finance

6.7 DOCTORAL PROGRAMMES (Ph.D.)

MNNIT Allahabad has been growing rapidly as a highly reputed academic institution and research is an integral aspect. Therefore to promote Doctoral Programme, Institute Fellowships have been established, which are distributed among all the departments.

Besides, a number of non-stipendiary admission to these Doctoral Programmes is also made to facilitate faculty from other Institutes and Industry personnel. Teachers from other institutions also come here to pursue M.Tech. and Ph.D. in various Departments, under QIP scheme. Large number of senior executives from industry also join under self sponsored category.

STUDENTS' DETAIL

- 7.1 Intake
- 7.2 Admission Procedure
- 7.3 Course-wise Enrolment
- 7.4 Student Strength
- 7.5 Performance in Examination
- 7.6 Gold Medals

7.1 INTAKE

Name of Programme	Branch	Intake
Bachelor of Technology (B. Tech.)	Biotechnology	46
	Chemical Engineering	46
	Civil Engineering	92
	Computer Science Engineering	154
	Electrical Engineering	77
	Electronics & Communication Engineering	138
	Information Technology	92
	Mechanical Engineering	123
	Production & Industrial Engineering	46
	Total	814
Master of Technology (M.Tech)	Including all Branches	475
Master of Computer Application (MCA)	NA	93
Master of Business Administration (MBA)	NA	93
Master of Science (MSc)	Mathematics and Scientific Computing	23
Master of Social Work (MSW)	NA	23
Doctor of Philosophy (Ph.D.)	Including all Branches	82

7.2 ADMISSION PROCEDURE

Programme	Admission Through
B.Tech.	JEE (Mains), (CSAB/JoSAA), DASA, ICCR, MEA
M.Tech.	GATE/ CCMT
MCA	NIMCET
MBA	CAT + GD & PI
M.Sc.	JAM / CCMN
MSW	Institute Entrance Examination
Ph.D.	Institute Entrance Examination and QIP Scheme

7.3 COURSE-WISE ENROLMENT WITH SEX, SC/ ST BREAK-UP

Programme UG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
B.Tech. 1 st Year	814	319	202	156	68	29	25	387	231	181
B.Tech. 2 nd Year	814	325	191	156	60	25	23	385	216	179
B.Tech. 3 rd Year	814	336	202	150	59	20	29	395	222	179
B.Tech. 4 th Year	814	352	203	155	53	15	27	405	218	182
Total		1332	798	617	240	89	104	1572	887	721

Additional Foreign Admission in UG Programme through DASA, ICCR and MEA

Programme	Males	Females	Total
B.Tech. 1 st Year	102	21	123
B.Tech. 2 nd Year	103	07	110
B.Tech. 3 rd Year	89	07	96
B.Tech. 4 th Year	80	13	93
Total	374	48	422

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Tech. 1 st Year	475	192	89	75	40	17	15	232	106	90
M.Tech. II nd Year	475	156	113	65	29	16	13	185	129	78
Total		348	202	140	69	33	28	417	235	168

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MCA 1 st Year	93	34	20	18	14	04	03	48	24	21
MCA II nd Year	93	23	21	13	19	09	05	42	30	18
MCA III rd Year	93	22	24	17	22	02	04	44	26	21
Total		79	65	48	55	15	12	134	80	60

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MBA 1 st Year	93	14	07	01	12	03	02	26	10	03
MBA 2 nd Year	93	21	06	13	16	07	01	37	13	14
Total		35	13	14	28	10	03	63	23	17

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Sc. 1 st Year	23	07	05	03	05	01	00	12	06	03
M.Sc. 2 nd Year	23	05	04	01	06	01	02	11	05	03
Total		12	09	04	11	02	02	23	11	06

Programme PG	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MSW 1 st Year	23	01	01	00	04	00	01	05	01	01
MSW 2 nd Year	23	01	01	01	02	01	01	03	02	02
Total		02	02	01	06	01	02	08	03	03

Ph.D. ADMISSION STATISTICS FOR ODD SEMESTER

Programme Ph.D.	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
Course Code 11	82	32	17	07	08	06	01	40	23	08
Course Code 12	28	01	00	00	03	01	00	04	01	00
Course Code 13	28	00	00	00	01	00	00	01	00	00
Total		33	17	07	12	07	01	45	24	08

Course Code 11 : Institute Stipendiary Full Time Research Scholar
 Course Code 12 : Self-financed Full Time Research Scholar
 Course Code 13 : Sponsored Full-Time Research Scholars

Ph.D. ADMISSION STATISTICS FOR EVEN SEMESTER

Programme Ph.D.	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
Course Code 11	10	00	00	03	02	00	00	02	00	03
Course Code 12	19	01	00	00	03	02	00	04	02	00
Course Code 13	27	00	00	00	00	00	00	00	00	00

Course Code 15	10	03	03	01	00	01	00	03	04	01
Course Code 16	06	02	03	01	00	00	00	02	03	01
Total	06	06	05	05	03	00	00	11	09	05

Course Code 11	:	Institute Stipendiary Full Time Research Scholar
Course Code 12	:	Self-financed Full Time Research Scholar
Course Code 13	:	Sponsored Full-Time Research Scholars
Course Code 15	:	Sponsored under Technical Education Quality Improvement Programme (TEQIP-II)
Course Code 16	:	Sponsored under Visvesvaraya Ph.D. Scheme from Department of Electronics and Information Technology (DeitY)

7.4 STUDENT STRENGTH FOR UG/ PG/ Ph.D. PROGRAMMES

Programme	Male	Female	Total
B.Tech.	3121 (2747+374)	481 (433+48)	3602 (3180+422)
M.Tech.	690	130	820
MCA	192	82	274
MBA	62	41	103
M.Sc.	25	15	40
MSW	05	09	14
Ph.D.	348	115	463
Total	4443	873	5316

7.5 PERFORMANCE IN EXAMINATION

Courses	Appeared	Passed
B.Tech.	846	808
M.Tech.	360	333
MCA	84	84
MBA	59	59
M.Sc.	15	15
MSW	08	08
Ph.D.	85	85
Total	1457	1392

7.6 GOLD MEDALS

Gold Medals for Post Graduate Examination-2015

- Gold Medal awarded to Mr. Sunil Kumar Singh (Registration No. 2013AM10) for standing first at M.Tech. Applied Mechanics, Final Examination 2015. (CPI 8.95)
- Gold Medal awarded to Mr. Vikas Gupta (Registration No. 2013BM13) for standing first at M.Tech. Biomedical Engineering, Final Examination 2015. (CPI 9.00)
- Gold Medal awarded to Mr. Ankit Negi (Registration No. 2013FE03) for standing first at M.Tech. Fluids Engineering, Final Examination 2015. (CPI 8.80)
- Gold Medal awarded to Mr. Samarjit Singh (Registration No. 2013MT09) for standing first at M.Tech. Material Science & Engineering, Final Examination 2015. (CPI 9.05)
- Gold Medal awarded to Ms. Kanchan Vishwakarma (Registration No. 2013BT15) for standing first at M.Tech. Biotechnology, Final Examination 2015. (CPI 9.50)
- Gold Medal awarded to Ms. Shweta Rai (Registration No. 2013EN02) for standing first at M.Tech. Civil Engineering (Environmental Engineering), Final Examination 2015. (CPI 9.15)
- Gold Medal awarded to Ms. Tekedil Zeenat Humsa (Registration No. 2013EG12) for standing first at M.Tech. Civil Engineering (Environmental

- Geotechnology), Final Examination 2015. (CPI 9.80)
8. Gold Medal awarded to Mr. Ashish Mishra (Registration No. 2013GE19) for standing first at M.Tech. Civil Engineering (Geotechnical Engineering), Final Examination 2015. (CPI 9.35)
9. Gold Medal awarded to Ms. Varsha Awasthi (Registration No. 2013ST05) for standing first at M.Tech. Civil Engineering (Structural Engineering), Final Examination 2015. (CPI 9.40)
10. Gold Medal awarded to Ms. Ragini Vishwa karna (Registration No. 2013CS07) for standing first at M.Tech. Computer Science & Engineering, Final Examination 2015. (CPI 9.10)
11. Gold Medal awarded to Mr. Sourabh Arvind Digavadekar (Registration No. 2013IS12) for standing first at M.Tech. Information Security, Final Examination 2015. (CPI 9.60)
12. Gold Medal awarded to Ms. Simple (Registration No. 2013SW25) for standing first at M.Tech. Software Engineering, Final Examination 2015. (CPI 8.70)
13. Gold Medal awarded to Mr. Ashish Kumar Mishra (Registration No. 2012PTSW02) for standing first at M.Tech. (Part-time) Software Engineering, Final Examination 2015. (CPI 9.78)
14. Gold Medal awarded Mr. Manish Kumar Sharma (Registration No. 2013EE09) for standing first at M.Tech. Electrical Engineering (Control & Instrumentation), Final Examination 2015. (CPI 9.10)
15. Gold Medal awarded to Mr. Shrish Gupta (Registration No. 2013PE01) for standing first at M.Tech. Electrical Engineering (Power Electronics and Drives), Final Examination 2015. (CPI 9.35)
16. Gold Medal awarded to Mr. Athul Thomas Tharakan (Registration No. 2013EE26) for standing first at M.Tech. Electrical Engineering (Power System), Final Examination 2015. (CPI 9.70)
17. Gold Medal awarded to Mr. Hardeep Singh Bhadoriya (Registration No. 2013CM19) for standing first at M.Tech. Electronics Engineering (Communication Systems), Final Examination 2015. (CPI 9.45)
18. Gold Medal awarded to Mr. Ramavath Prasad Naik (Registration No. 2013CM16) for standing first at M.Tech. Electronics Engineering (Communication Systems), Final Examination 2015. (CPI 9.45)
19. Gold Medal awarded to Mr. Shashank Mishra (Registration No. 2013CM06) for standing first at M.Tech. Electronics Engineering (Communication Systems), Final Examination 2015. (CPI 9.45)
20. Gold Medal awarded to Ms. U Madhavi Latha (Registration No. 2013EL14) for standing first at M.Tech. Electronics Engineering (Digital Systems), Final Examination 2015. (CPI 9.85)
21. Gold Medal awarded to Mr. Suwendu Nayak (Registration No. 2013VL04) for standing first at M.Tech. Microelectronics and VLSI Design, Final Examination 2015. (CPI 9.85)
22. Gold Medal awarded to Ms. Shalini Gupta (Registration No. 2013GI16) for standing first at M.Tech. GIS and Remote Sensing, Final Examination 2015. (CPI 9.60)
23. Gold Medal awarded to Mr. Nitesh Gupta (Registration No. 2013CC13) for standing first at M.Tech. Mechanical Engineering (Computer Aided Design and Manufacturing), Final Examination 2015. (CPI 9.25)
24. Gold Medal awarded to Mr. Atul Kumar Sharma (Registration No. 2013DN25) for standing first at M.Tech. Mechanical Engineering (Design), Final Examination 2015. (CPI 9.20)
25. Gold Medal awarded to Ms. Afsana (Registration No.2013PD12) for standing first at M.Tech. Mechanical Engineering (Product Design and Development), Final Examination 2015. (CPI 9.75)
26. Gold Medal awarded to Mr. Amit Kumar (Registration No. 2013PR03) for standing first at M.Tech. Mechanical Engineering (Production Engineering), Final Examination 2015. (CPI 9.55)
27. Gold Medal awarded to Ms. Jaspreet Kaur Puri (Registration No. 2013MB03) for standing first at Master of Business Administration, Final Examination 2015. (CPI 10.00)
28. Gold Medal awarded to Ms. Himani Chauhan (Registration No. 2012CA56) for standing first at

Master of Computer Applications, Final Examination 2015. (CPI 9.23)

29. Gold Medal awarded to Ms. Avleen Kaur (Registration No. 2013MSC09) for standing first at Master of Science (Mathematics & Scientific Computing), Final Examination 2015. (CPI 9.76)
30. Gold Medal awarded to Ms. Ananta Narayana (Registration No. 2013MW06) for standing first at Master of Social Work, Final Examination 2015. (CPI 9.54)

Gold Medals for Under Graduate Examination-2015

1. Gold Medal awarded to Ms. Praachi Tiwari [Registration No. 20110053] for standing first at B.Tech. [Biotechnology], Final Examination 2015. [CPI 9.00]
2. Gold Medal awarded to Mr. Saurabh Gupta [Registration No. 20119035] for standing first at B.Tech. [Chemical Engineering], Final Examination 2015. [CPI 9.10]
3. Gold Medal awarded to Mr. Shashank Shekhar Pandey [Registration No. 20111050] for standing first at B.Tech. [Civil Engineering], Final Examination 2015. [CPI 9.68]
4. Gold Medal awarded to Ms. Navya Agarwal [Registration No. 20113010] for standing first at B.Tech. [Computer Science and Engineering], Final Examination 2015. [CPI 9.57]
5. Gold Medal awarded to Ms. Mitali Rawat [Registration No. 20110066] for standing first at B.Tech. [Information Technology], Final Examination 2015. [CPI 9.40]
6. Gold Medal awarded to Ms. Saumya Pandey [Registration No. 20110003] for standing first at B.Tech. [Electrical Engineering], Final Examination 2015. [CPI 9.80]

7. Gold Medal awarded to Mr. Mayank Mittal [Registration No. 20111074] for standing first at B.Tech. [Electronics and Communication Engineering], Final Examination 2015. [CPI 9.81]
8. Gold Medal awarded to Mr. Pawan Kumar [Registration No. 20118056] for standing first at B.Tech. [Mechanical Engineering], Final Examination 2015. [CPI 9.32]
9. Gold Medal awarded to Mr. Sagar Chitransh [Registration No. 20110033] for standing first at B.Tech. [Production and Industrial Engineering], Final Examination 2015. [CPI 8.48]

Institute Gold Medal

1. Institute Gold Medal awarded to Mr. Mayank Mittal [Registration No. 20111074] of B.Tech. [Electronics and Communication Engineering] for standing first amongst students of all branches of the Institute Final Examination 2015. [CPI 9.81]

Gold Medals – 2015 for Under Graduate Programs

1. Gold Medal awarded to Ms. Anumita Gupta [Registration No. 20128003] of B.Tech. [Electronics and Communication Engineering] for standing first at B.Tech. Third Year Examination 2015. [CPI 9.83]
2. Gold Medal awarded to Mr. Aman Verma [Registration No. 20138047] of B.Tech. [Computer Science and Engineering] for standing first at B.Tech. Second Year Examination 2015. [CPI 9.46]
3. Gold Medal awarded to Mr. Pradeep Kumar Srivastava [Registration No. 20142013] of B.Tech. [Electrical Engineering] for standing first at B.Tech. First Year Examination 2015. [CPI 9.30]

RESEARCH AND DEVELOPMENT ACTIVITIES

- 8.1 Research and Consultancy (R&C) Cell
- 8.2 Research Projects
- 8.3 Sponsored Research Projects Completed
- 8.4 Consultancy Projects
- 8.5 TEQIP-II
- 8.6 Institute Industry Interaction (III) Cell

8.1 RESEARCH AND CONSULTANCY (R&C) CELL

Knowledge of latest research innovations is the key for developing the technical manpower of the nation due to the overgrowing demand of industry for research oriented technocrats. With this motto, the Research and Consultancy Cell at this Institute has grown significantly. Our faculty members and researchers are actively participating in Research and Development projects. Institute faculty provides a variety of consultancy and testing services to various public and private industries and also to construction departments of the State and the Central Governments. The Institute is well-endowed with high-quality equipment and advanced computing facilities. International collaborations with some leading universities and industries by the Institute provide an exciting platform for generating ideas and concepts, which are required for meaningful research.

Over the last decade, rapid advancement in computational power coupled with availability of high end, low cost CAE software, has contributed largely to the development of research and consultancy in different areas of engineering and management at this Institute. Theses and developmental research oriented activities have made a significant contribution in enriching researchers by sharing of knowledge of theory and fundamentals through mutual interactions by way of consultancy and testing projects.

Some of the activities of the Research and Consultancy Cell of the Institute are:

Sl.No.	Activities
1.	To frame and revise rules for Research & Consultancy.
2.	To provide guidance for submitting sponsored research proposals to funding agencies such as DST, BARC, BRNS, ISRO, DRDO, AR & DB etc.
3.	Recruitment and management of project staff.
4.	Arranges special lecture of Academic, Research and Industrial relevance for latest knowledge.
5.	Managing Institute funded research projects for newly joined faculty members.
6.	Conducting sensitization workshop for the faculty members to enhance the number of externally funded research projects.

8.2 RESEARCH PROJECTS

The Institute receives a large number of research projects from various organizations including SERB, DBT, CSIR, ICSSR, CST Lucknow, DRDO, MNRE, UPPCB, UGC, DIT Institutional Research has been further boosted by the Institute to new faculty members. During the year 2015-16, there were 21 Externally Funded Research Projects sanctioned in the Institute amounting to about ₹ 3.99 crores. During this year, the Institute received total number of 401 testing and consultancy projects worth ₹ 2.63 crores.

List of externally funded research projects is given in **Annexure 6**.

8.3 SPONSORED RESEARCH PROJECTS COMPLETED

Sl. No.	Projects
1.	<p>Title of the Project: Chitosan Derivatives Containing azo Based Schiff based: Synthesis, Characterization, Spectroscopic and Antimicrobial studies.</p> <p>Funding Agency: CSIR, New Delhi.</p> <p>Name of the P.I. and Department: Prof. P. K. Dutta, Chemistry Department.</p> <p>Month and Year of Commencement: May, 2012</p> <p>Duration of Completion: 03 Years</p>
2.	<p>Title of the Project: Design and Development of Low Cost Plastic Devices for Electronics and Photonic Application.</p> <p>Funding Agency: DRDO, New Delhi.</p> <p>Name of the P.I. and Department: Prof. P. Chakrabarti, Director.</p> <p>Month and Year of Commencement: April, 2012</p> <p>Duration of Completion: 3 Years 6 Months</p>
3.	<p>Title of the Project: Development of Eucalyptus Globules Oil Containing Bio-adhesive Polymeric Nanoparticles and Estimation of its Cytotoxicity Potential and Assay against Biofilm.</p> <p>Funding Agency: SERB, New Delhi.</p> <p>Name of the P.I. and Department: Dr. Vishnu Agrawal, Biotechnology Department.</p> <p>Month and Year of Commencement: May, 2012</p> <p>Duration of Completion: 3 Years</p>

4. **Title of the Project:** Electro Discharge Dimond Grinding Development and Optimization.
Funding Agency: AR & DB, New Delhi.
Name of the P.I. and Department: Prof. Vinod Yadava, Mechanical Engineering Department.
Month and Year of Commencement: December, 2010
Duration of Completion: 3 Years 8 Months
5. **Title of the Project:** Harnesing PGPRs from Indo Gangetic Plan Region of UP for growth promotion and disease suppression in rice and pigeonpea.
Funding Agency: DBT, New Delhi.
Name of the P.I. and Department: Dr. Shivesh Sharma, Biotechnology Department.
Month and Year of Commencement: December, 2011
Duration of Completion: 4 Years 3 Months
6. **Title of the project:** HR Competence Mapping amongst women self-helps in Uttar Pradesh
Funding Agency: ICSSR, New Delhi.
Name of the P.I. and Department: Dr. Tripti Singh, School of Management Studies.
Month and Year of Commencement: July, 2013
Duration of Completion: 2 Years
7. **Title of the project:** Multi-Partnership Model of Self Sustainable Shelters for Urban Homeless Poor.
Funding Agency: HSM, New Delhi.
Name of the P.I. and Department: Prof. Geetika, School of Management Studies.
Month and Year of Commencement: April, 2013
Duration of Completion: 2 Years 3 Months
8. **Title of the project:** New Horizons for Unorganised Manufacturing Sector in India: An empirical Study in Uttar Pradesh and Maharashtra.
Funding Agency: ICSSR, New Delhi.
Name of the P.I. and Department: Dr. Ravindra Tripathi, Humanities & Social Science.
Month and Year of Commencement: April, 2014
9. **Title of the project:** Organic-Inorganic Hybrid Material Based on Metal Complexes and Polyoxometalates, their Characterization and Application in Catalysis and Gas Absorption.
Funding Agency: CST, U P Lucknow.
Name of the P.I. and Department: Prof. S. S. Narvi, Chemistry Department.
Month and Year of Commencement: September, 2012
Duration of Completion: 3 Years
10. **Title of the project:** Solar Photovoltaic Array Power Conversion Using Embedded Cascaded Multilevel Inverter.
Funding Agency: SERB, New Delhi.
Name of the P.I. and Department: Dr. Rajesh Gupta, Electrical Engineering Department.
Month and Year of Commencement: September, 2012
Duration of Completion: 3 Years 6 Months
11. **Title of the project:** Sorghum Stover Based Biorefinery for fuels and chemicals.
Funding Agency: MNRE, New Delhi.
Name of the P.I. and Department: Dr. Sangeeta Negi, Biotechnology Department.
Month and Year of Commencement: January, 2012
Duration of Completion: 3 Years 6 Months

8.4 CONSULTANCY PROJECTS

The Institute allows consultancy projects from various Government, Private, Multinational Companies and Non Government Organizations for faculty members. The Consultancy project fee is distributed on sharing basis. In this financial year the Institute received consultancy from various clients such as Irrigation Dept., U.P. Jal Nigam, Nagar Nigam, Rites, Allahabad Development Authority, Power Grid Corporation Ltd., Ganga Pollution Control Unit, UP Project Corporation Ltd. and many others. Total fee received from the consultancy project was approx 2.63 crore.

Annexure-7.

8.5 TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-PHASE-II (TEQIP-II)

Technical Education Quality Improvement Programme (TEQIP) was envisaged as a long-term

programme of about 10-12 years duration to be implemented in 2-3 phases for transformation of the Technical Education System with the World Bank assistance.

As per TEQIP design, each phase is required to be designed on the basis of lessons learnt from the implementation of an earlier phase. TEQIP-I started a reform process in 127 Institutions. The reform process needs to be sustained and scaled-up for embedding gains in the system and taking the transformation to a higher level. To continue the development activities initiated through TEQIP-I, a sequel Project is planned as TEQIP-II.

Objectives

The Project has following objectives:

- (i) Strengthening Institutions to produce high quality engineers for better employability.
- (ii) Scaling-up postgraduate education and demand- driven Research & Development and Innovation.
- (iii) Establishing Centres of Excellence for focused applicable research.
- (iv) Training of faculty for effective Teaching.
- (v) Enhancing Institutional and System Management effectiveness.

During the year 2015-16, there were around 11 Conferences/ Seminars/ Workshops/ Short Term

Courses conducted in the Institute under TEQIP-II. Equipments amounting to ₹92,398.00 were procured from TEQIP-II funds.

8.6 INSTITUTE INDUSTRY INTERACTION (III) CELL

The Institute Industry Interaction Cell was established in the Institute in the year 1989 under the scheme of Institute Industry Interaction, Ministry of Human Resource Development. The main objectives of the Cell are:

- (i) To interact with the industries to know the technology used by them so as to modify the curriculum.
- (ii) To send the faculty members to the industry for training under faculty exchange programme.
- (iii) To offer special courses to the engineers of the industries.
- (iv) To take R & D work from the industries and to involve staff members to deal with the industrial problems.

The Cell is equipped with the infrastructure facilities which are necessary for R & D projects and liaison with industries. The III Cell also promotes staff members to visit industries to get first hand technological information and also identify industrial problems which can be handled by the Institute staff. The Cell also makes constant efforts to develop a win-win relationship with industries.

Concessions for SC/ ST/ OBC & Differently Abled Students/ Staff

9.1 Scholarship and Assistantship Provided for Students

9.1 CONCESSIONS PROVIDED FOR STUDENTS

Seats are reserved for SC/ ST/ OBC and differently abled students for the undergraduate and postgraduate courses as per Central Government norms. The Government also provides scholarships to SC/ ST students.

Student Activities

During the Financial Year 2015-16 under review, a sum of ₹40,600/- was sanctioned for student activities from Student Welfare Fund.

Financial Help

- (i) During the financial year 2015-16, financial aid of ₹8,60,000/- to 40 students was sanctioned from Student Welfare Fund.

Also, ₹15,000.00 as advance to financially weak students and ₹40,600/- as fee to poor students was sanctioned from the same fund.

- (ii) Scholarship worth ₹16,81,190/- was sanctioned to ST students by Ministry of Tribal Affairs, New Delhi during the Session 2015-16.
- (iii) Scholarship worth ₹28,59,044/- was sanctioned to SC students by Ministry of Social Justice and Empowerment, New Delhi during the Session 2015-16.

Gold Medal

During the Financial Year 2015-16 under review, 17 students were awarded Gold Medals worth ₹47,976/- sponsored by alumni and faculty members.

Scholarship and Assistantship

Sl. No.	Department	Place	No. of Students	Total Amount (INR)
	District Social Welfare Office	Allahabad		
(i)	OBC student		323	Scholarship + Tuition Fee
(ii)	SC/ST student		152	Scholarship + Tuition Fee
(iii)	General student		283	Scholarship + Tuition Fee
(iv)	Minority student		31	Scholarship + Tuition Fee
	MNNIT	Allahabad		
(i)	M.Tech.		817	₹ 12,400/- per month
(ii)	Ph.D		426	₹ 25,000/- per month & ₹ 28000/- per month
	O. P. Gems		3	₹ 85,000/- per student + Certificate and Gold Medal
	Merit Scholarship	MNNIT Allahabad	222	₹ 3000/- per student and Merit Certificate
	Received Scholarship (Other State)			
(i)	N.C.E.R.T	Delhi	7	₹ 3,60,000/-
(ii)	NTSE	Delhi	3	₹ 2,30,000/-
(iii)	State Government	Bihar	4	₹ 4,44,723/-
(iv)	State Government	M.P.	5	₹ 3,80,000/-
(v)	State Government	Dehradun	3	₹ 1,21,500/-
(vi)	State Government	Faridabad	1	₹ 76,400/-
(vii)	State Government	Chhattisgarh	1	₹ 81,960/-
(viii)	Indian Oil Corporation	Delhi	5	₹ 5,10,000/-
(ix)	ONGC	Dehradun	-	-
(x)	Central Sector Scholarship	MHRD, New Delhi	48 SC + 20 ST	(a) Annual Fee (b) Other Non Refundable charge (c) Lodging & Boarding Charge (d) Books & Stationery. (e) Computer
	NEFD Scholarship	NEFD	06	₹ 4,60,938/-

FACULTY ACHIEVEMENTS

- 10.1 Department of Applied Mechanics
- 10.2 Department of Biotechnology
- 10.3 Department of Civil Engineering
- 10.4 Department of Chemical Engineering
- 10.5 Department of Chemistry
- 10.6 Department of Computer Science & Engineering
- 10.7 Department of Electronics & Communication Engineering
- 10.8 Department of Electrical Engineering
- 10.9 GIS Cell
- 10.10 Department of Humanities & Social Sciences
- 10.11 Department of Mathematics
- 10.12 Department of Mechanical Engineering
- 10.13 Department of Physics
- 10.14 School of Management Studies

10.1 DEPARTMENT OF APPLIED MECHANICS

Vision

To establish itself as a department recognised for its quality post graduate education and research in the broad field of Applied Mechanics and Materials.

Mission

To produce high quality human resource in the area of Applied Mechanics and Materials Engineering by way of continuous up-gradation of curriculum, improvement in academic processes & ambience, and faculty & infrastructure development. To create knowledge resource through research in emerging areas of Applied Mechanics and Materials in collaboration with national & international academic, research and industrial organisations and disseminate the same by contributing and conducting STTP, Workshops, Symposiums and Conferences.

List of Laboratories

- (i) Experimental Solid Mechanics PG Laboratory
- (ii) Biomedical Engineering PG Laboratory
- (iii) Materials Development PG Laboratory

- (iv) Fluids Engineering PG Laboratory
- (v) Computational Laboratory
- (vi) Strength of Materials Laboratory
- (vii) Material Science & Engineering Laboratory
- (viii) Fluid Mechanics & Hydraulic Laboratory
- (ix) Structural Analysis Laboratory
- (x) DST-FIST Computational Laboratory
- (xi) Departmental Workshop
- (xii) Engineering Mechanics Laboratory
- (xiii) Fluids Engineering Research Laboratory
- (xiv) Solid Mechanics Research Laboratory

Courses Run by Department

- (i) M.Tech. in Applied Mechanics
- (ii) M.Tech. in Biomedical Engineering
- (iii) M.Tech. in Fluids Engineering
- (iv) M.Tech. in Material Science & Engineering
- (v) Ph.D.

Courses in which students were admitted

- (i) M.Tech. in Applied Mechanics
- (ii) M.Tech. in Biomedical Engineering
- (iii) M.Tech. in Fluids Engineering
- (iv) M.Tech. in Material Science & Engineering
- (v) Ph.D.

List of Ph. D Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Laxmi Upadhyaya	2010RAM07	Synthesis Characterization and Invitro Study of Polymer Matel Oxide base Nano-composite for Drug Delivery Applications	Dr. R. P. Tewari Dr. Vishnu Agarwal (Biotechnology)

List of M. Tech Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Vidhusi Shukla	2013AM03	Free Vibration Analysis of Functionally Graded Stiffened Plates	Dr. Anindya Bhar
2.	Ram Pratap Singh	2013AM04	Instability of Thin Film: Numerical Simulation	Dr. A. K. Upadhyay Prof. K. K. Shukla
3.	Ashish Kumar Singh	2013AM05	First Order Shear Deformation Theory of Laminated Composite and Sandwich Plates using Improved Zigzag Kinematics	Prof. K. K. Shukla
4.	Pragati Javre	2013AM06	Study of Effect of Interphase Property on the Micro Level Damage Growth Scenario in Unidirectional Composite	Dr. V. Murari
5.	Pooja Rani	2013AM07	Free Vibration of Laminated Composite Stiffened Plates using A Semi Refined HSDT	Dr. Anindya Bhar
6.	Sunil Kumar Singh	2013AM10	Finite Element Analysis of Wind Turbine Blade	Prof. K. K. Shukla
7.	Rekha Shakya	2013AM13	Static Analysis of Stiffened Plates of CNT Reinforced Composites	Dr. Anindya Bhar

8.	Smriti Srivastava	2013AM16	Static Analysis of Laminated Composite Plate using Random Material Properties	Dr. Ramesh Pandey
9.	Manoj Kumar Tripathi	2013AM17	Effect of Variation in Volume Fraction on the Damage Behaviour of Uni-directional Composites	Dr. V. Murari
10.	Lavkush Verma	2013AM18	Buckling Analysis of Laminated Composite Plates with Random Materials Properties	Dr. Ramesh Pandey
11.	Akash Srivastava	2013AM20	Instability of Thin Film: An Analytical Approach	Dr. A. K. Upadhyay Prof. K. K. Shukla
12.	Pramod Singh	2013AM21	Static Response of Smart Piezolaminated Stiffened Plates using Finite Element Method	Dr. Anindya Bhar
13.	Danam Murahari	2013BM03	Fuzzy Logic based Gait Phase Recognition using EMG Signal	Dr. R. P. Tewari
14.	Anson Rony	2013BM04	Coating of Hydroxyapatite and Composite Targets over Medical Grade Ti-Alloy by Pulsed Laser Deposition Technique and its Characterization	Dr. R. P. Tewari
15.	Besly Thomas K.	2013BM05	Human Identification using Silhouette Gait Data Analysis	Dr. R. P. Tewari
16.	Nitin Kumar Singh	2013BM06	Loudspeaker Beam Forming Implementation for Sound Directivity	Dr. S. J. Pawar
17.	Abhishek	2013BM07	Modeling and Simulation of Human Inner Ear	Dr. S. J. Pawar
18.	Om Prakash Yadav	2013BM08	Design and Simulation of MEMS based Micro-pump for Fluid Flow	Dr. S. J. Pawar
19.	Neelesh Kumar Yadav	2013BM09	Modeling and Simulation of Micro Needle for Drug Delivery	Dr. S. J. Pawar
20.	Bidya Nand Kumar	2013BM10	Study of Thin Film Deposited on Titanium with Pulsed Laser Deposition for Electronics, Electrical and Biomedical Applications	Dr. Ajaya Bharti
21.	Shashank Gupta	2013BM11	Development and Characterization of Psyllium Husk based Nano-composites for Drug Delivery Applications	Dr. R. P. Tewari
22.	Vikas Gupta	2013BM13	Automated Detection and Grading of Cataract	Dr. R. P. Tewari & Dr. Basant Kumar
23.	Faiz Ahmed	2013BM17	Modeling and Simulation of Cochlear Implant	Dr. S. J. Pawar
24.	Neeraj Dev	2013BM18	Synthesis and Development of Zinc Oxide Coating over Biomedical Implants	Dr. Abhishek Kumar
25.	Nitesh Singh Malan	2013BM19	Design and Development of an Exoskeleton for Rehabilitation of Human Lower Limb Orthotics	Dr. R. P. Tewari
26.	Ankit Negi	2013FE03	Convective Heat Transfer Enhancement of Plate-Fin and Tube Heat Exchanger using Vortex Generators	Dr. V. K. Patel
27.	Ratnesh Chandra Srivastava	2013FE04	Experimental and Computational Study on Tangential Turbine Flowmeters	Dr. V. K. Patel
28.	Sumit Malik	2013FE06	Two Phase Flow Study in Human Respiratory System	Prof. Anuj Jain
29.	Naveen Joshi	2013FE07	Computational Study on Double Suction Double Volute Centrifugal Pump	Prof. Anuj Jain
30.	Avinash Kumar	2013FE08	Performance Enhancement Analysis of AIR	Dr. A. R. Paul

31.	Ashok Singh Bisht	2013FE09	Jet Pump Studies on the Various Characteristics of Open Non-Air Conditioned Bus using CFD	Dr. V. K. Patel
32.	Sunil Kumar Gaur	2013FE10	Design, Development and Analysis of Supersonic Wind Tunnel	Dr. A. R. Paul & Dr. Y. D. Dwivedi (GITAM University)
33.	Munendra Singh	2013FE12	Effect of Location and Orientation of Primary Holes on the Flow Characteristics of a Combustor Model	Dr. Vivek Kumar Patel
34.	Raghunath Vishwakarma	2013FE13	CFD Analysis on Hydraulic Performance of Drip Irrigation Emitters	Dr. V. K. Patel
35.	Sarvesh Kashyap	2013FE17	CFD Analysis on Optimization of Cyclone Separator	Dr. A. R. Paul
36.	Shashi Kumar	2013FE18	Numerical Analysis on the Performance of the AIR Blast Atomizer	Dr. V. K. Patel
37.	Mukesh Chawla	2013FE19	Design and Development of Multi Hole Probe Data Acquisition System	Dr. A. R. Paul & Prof. R. K. Tripathi
38.	Anup Kumar Vishwakarma	2013FE20	Flow Diagnosis in Centrifugal Pump by Vibration Analysis	Prof. Anuj Jain
39.	Ayaz Khan	2013FE21	CFD Simulation of Wave Action on Submarine Pipeline	Dr. A. R. Paul
40.	Abir Roy	2013MT04	Mechanical Behavior of Al 5083 Processed by Constrained Groove Pressing	Dr. Abhishek Kumar & Dr. Shashank Shekhar, IIT Kanpur
41.	Alok Singh Verma	2013MT05	Study on Mechanical and Corrosion Behavior of Rolled 6061Al alloy	Prof. Anuj Jain
42.	Yogendra Kumar	2013MT06	Corrosion Study of Severe Plastic Deformed Aluminium 2024 Alloy	Dr. Ajaya Bharti
43.	Priyanka Gupta	2013MT07	Calcium Titanate Thin Film Deposited on Commercially Pure Titanium by Reactive Sputtering for Bio-medical Application	Dr. Ajaya Bharti
44.	Samarjit Singh	2013MT09	Processing and Mechanical Behavior of Titania Particles Reinforced Epoxy Composite	Dr. Abhishek Kumar
45.	Kulbaskar Pandey	2013MT11	Development of FeAl Intermetallic by Mechanical Alloying	Dr. Abhishek Kumar
46.	Vivek Kumar	2013MT12	Sintering Behavior of Al Hybrid Composite	Dr. Abhishek Kumar
47.	Sankalp Shukla	2013MT13	Development of Zn Dispersed SiC for Microwave Absorption	Dr. Abhishek Kumar
48.	Varun Tiwari	2013MT15	Synthesis and Characterization of Short Fiber Reinforced Biocomposite	Dr. S. J. Pawar
49.	Aamir Khan	2013MT18	Synthesis and Characterization of Cu-Ti-Zn based Bulk Metallic Glass	Dr. Abhishek Kumar
50.	Angaraj Singh	2013MT19	Effect of Cryorolling on Fatigue Crack Growth of Aluminium 2024	Dr. Ajaya Bharti
51.	Raviraj Verma	2013MT21	Effect of Wedge Geometry on Mode Mixity in the "Wedge-Driven Delamination Test Specimen" for Sandwich Composites	Dr. V. Murari
52.	Vineet Kumar	2013MT22	Modeling and Simulation of Dispersed Polymer using Cosmol Multiphysics	Prof. Anuj Jain
53.	Aman Singh	2013MT23	Development of Ferrites for Electronics Applications	Prof. Anuj Jain

54.	Abhinesh Kumar	2013MT24	Titanium Oxide Coating on Ti 6Al 4V and Stainless Steel 316 by Radio-frequency-magnetron Sputtering for Biomedical Applications	Dr. Ajaya Bharti
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Publication in International Journals

1. A. S. Mehta, B. K. Singh, N. Singh, D. Archana, K. Snigdha, R. Harniman, S. S. Rahatekar, R. P. Tewari and P. K. Datta, "Chitosan silk-based three-dimensional scaffolds containing gentamicin-encapsulated calcium alginate beads for drug administration and blood compatibility," *International Journal Biomaterial Application*, vol. 29, no. 9, pp.1314-25, April, 2015 (IF= 2.76)
2. L. Upadhyaya, J. Singh, V. Agarwal, P. Das and R. P. Tewari, "Efficient water soluble nanostructured ZnO grafted O-carboxymethyl chitosan/ curcumin-nanocomposite for cancer therapy," *Process Biochemistry*, (Elsevier), vol. 50, no. 4, pp. 678-688, April, 2015.
3. S. J. Pawar, W. S. Kuo and J. H. Huang, "Exfoliated Graphite/ Graphite Nanosheet-Epoxy Nano-composites Revealed from the View Point of Synthesis Bottleneck," *Maharashtra International Journal of Engineering Technology*, vol. 1, no. 1, pp. 22-29, January-June 2015.
4. Y. T. Tsai, S. J. Pawar, C. C. Wang, and J. H. Huang, "The damage prevention of moving-coil transducers by dynamic detection of excessive diaphragm displacement," *Journal of the Acoustical Society of America*, Submitted in Oct. 2015.
5. K. Guru, S. B. Mishra and K. K. Shukla "Effect of Temperature and Functionalization on the Interfacial Properties of CNT Reinforced Nanocomposites" *Applied Surface Science*, Vol. 349, pp 59-65, DOI No. 10.1016/j.apsusc.2015.04.196, Elsevier Journal, September 2015.
6. H. K. Singh, R. Prakash & K. K. Shukla "Economic and Environmental Benefits of Roof Insulation in Composite Climate of India. Climate Change" *The International Quarterly Journal*, Vol. 1, Issue 4, pp 397-403, Print ISSN2394-8558, eISSN2394-8566, Discovery Publication, October 2015.
7. Syeed Tabin Rushad, S. K. Duggal "Experimental Investigations of RC Beams Strengthened with 4-Layered Symmetric Cross-Ply (SCP) GFRP Laminates" *International Journal of Research in Engineering and Technology (IJERT)*, Vol. 4,

Special Issue 13, pp 431-434, Print ISSN2321-7308, eISSN2319-1163, December 2015.

8. D. Agarwal, S. Rawat, A. K. Upadhyay "Crashworthiness of Circular Tubes with Structurally Graded Corrugations" *SAE Technical Paper*, DOI No. 10.4271/2016-28-0050, February 2016.

Publication in National Journals: Nil

Publication in International Conferences

1. S. K. Singh, T. Sharma, V. Murari and K. K. Shukla, "Effect of Airfoil Shape and Taper along the Blade Span on Static and Dynamic Behavior of Wind Turbine Blades," *Indian Conference on Applied Mechanics (INCAM)*, IIT Delhi, July 13-15, 2015.
2. V. K. Patel, S. N. Singh and V. Seshadri, "Effect of Preheating on the Flow Characteristics of Swirling Multicoaxial Jets in an Expanded Confinement," *11th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT-2015)*, Kruger National Park, South Africa, pp. 303-308, July 20-23, 2015.
3. B. Krishna, A. Jain and A. Bharti, "Effect of Room Temperature Rolling and Cryogenic Rolling on 2024-Al Alloy," *6th International Conference of International Scientific Academy of Engineering & Technology (ISAET) on Manufacturing and Industrial Engineering (ICMIE'15)*, Dubai, UAE, Oct. 11-12, 2015 .
4. A. U. Rehman, A. Jain, S. Shinde and A. R. Paul, "Effects of Discharge on the Performance of an Industrial Centrifugal Pump," *International Conference on Computing Techniques and Mechanical Engineering (ICCTME-2015)*, Phuket, Thailand, Oct. 01-02, 2015.
5. S. K. Singh, S. Singh, R. Kohli, A. Jain and A. Kumar, "Effect of TiO₂ Dispersion on Mechanical Properties of Epoxy Polymer," *International Conference on Condensed Matter and Applied Physics (ICC-2015)*, Bikaner, Rajasthan, Oct. 30-31, 2015.
6. A. Sharma, J. K. Rai and R. P. Tewari, "Multivariate EEG Signal Analysis for Early Prediction of

Epileptic Seizure," 2nd International Conference on Recent Advances in Engineering and Computational Sciences (RAECS-2015), University Institute of Engineering & Technology, Punjab University, Chandigarh, Punjab, Dec. 21-22, 2015,

7. P. Gupta, A. Bharti and K. M. Gupta, "Antibacterial Activity of Calcium Titanate Thin Fil Deposited on Commercially pure Titanium Substrate Synthesized by Reactive Sputtering Technique," in Proc. International Conference on Translational Biotechnology, MNNIT Allahabad, Feb. 4-6, 2016, India, pp. 147.
8. D. Agrawal, S. Rawat and A. K. Upadhyay, "Crashworthiness of Circular Tubes with Structurally Graded Corrugations," SAE India 9th International Mobility Conference, New Delhi Feb. 08-10, 2016.
9. Ajitanshu Vedratnam and S.J. Pawar "Comparative Evaluation and Regression Analysis of PVB, EVA, and SG Inter Layered Laminated Glass Hardness" 2nd International Conference on Recent Innovations in Science, Engineering and Management (ICRISEM), November 2015.

Papers Presented at National Conferences

1. R. Bahadur, A. K. Upadhyay and K. K. Shukla, "Higher Order Theory based Static Analysis of Laminated Composite Doubly curved Panels on Rectangular Plan-form," Indian Conference on Applied Mechanics (INCAM) 2015, IIT Delhi, July 13 – 15, 2015.
2. S. K. Singh, T. Sharma, V. Murari and K. K. Shukla, "Effect of Airfoil Shape and Taper along the Blade Span on Static and Dynamic Behavior of Wind Turbine Blades," Indian Conference on Applied Mechanics (INCAM-2015), IIT Delhi, India, July 13-15, 2015.
3. A. Roy, S. Shekhar and A. Kumar, "Mechanical behavior of Al 5083 processed by Constrained Groove Pressing," National Conference on Product Design and Manufacturing (NCPDM-2015), Department of Mechanical Engineering, MNNIT, Allahabad, India, Nov. 21-22, 2015.
4. A. Roy, S. Shekhar and A. Kumar, "Corrosion behavior of Severely Deformed Al 5083," National Conference on Advanced Materials and Processing (CAMP-2015), MNIT, Jaipur, India, Dec. 02-04, 2015.

Reviewer in International Journals

S. No.	Faculty Name	Journal Name
1.	Ramesh Pandey	Composite Structures
2.	A. R. Paul	Water Science and Engineering an International Journal

Conference/ Workshop/ Short Term Course Organized by Department

Sl. No.	Seminar/ Conferences	Chair/ Co-chair/ Coordinator	Month & Year
1.	Self-Financed One Week Short Term Training Programme on Computational Fluid Dynamics (CFD-2015)	Prof. Anuj Jain – Chairman Dr. A. R. Paul - Convener	22 nd -26 th June 2015
2.	A Self-financed International Workshop on "Advances in the Applications of Computational Fluid Dynamics (ACFD-2015)" at Department of Applied Mechanics, MNNIT, Allahabad.	Prof. Anuj Jain – Chairman Dr. A. R. Paul - Convener	12 th -16 th August 2015
3.	Main Workshop on 'Introduction to Structural Engineering' under the National Mission on Education through ICT (NMEICT) Supported by MHRD, Govt. of India at Nodal Centre MNNIT Allahabad (RC ID 1330), conducted by IIT Kharagpur, India.	Dr. Anindya Bhar – Coordinator (Acted)	04 th -09 th January 2016
4.	Short Term Course on Modeling and Simulations at Nanoscale and Nanostructures (MSNN-2016), Lecture Hall Complex, MNNIT Allahabad	Prof. Anuj Jain - Principal Coordinator Dr. Abhishek Kumar - Coordinator	7 th -11 th March 2016
5.	Workshop on "Secrets of Success in life" (Funded by	Dr. Ramesh Pandey-	10 th August 2015

Institute, Collaborated with Student Activity Centre, MNNIT Allahabad)	Coordinator	
6. Workshop on "Secrets of Personality Development" (Funded by Institute, Collaborated with Student Activity Centre, MNNIT Allahabad)	Dr. Ramesh Pandey- Coordinator	21 st January 2016

Invited Lectures Delivered

1. S. J. Pawar delivered an expert lecture on, "An Introduction to Carbon Nanotubes," and "An Introduction Nanomaterials," organised by the Department of Fashion Technology, Bannari Amman Institute of Technology (BIT), Sathya mangalam-638401, Tamilnadu at 18th-30th May 2015.
2. A. Bharti delivered an expert lecture on "Research in Higher Education Institute," organized by the Harcourt Butler Technological Institute Kanpur, (UP), India at 08th-09th June 2015.
3. S. J. Pawar delivered an expert lecture in a Certificate Course on Technical Textiles and Composite Materials, on "Composite Materials: A Brief" and "Technical Textiles : An Overview" organized by Department of Textile Technology, Bannari Amman Institute of Technology, (BIT), Sathyamangalam-638401, Tamilnadu, INDIA at 07 Nov. 2015.
4. S. J. Pawar delivered an expert lecture on "Workshop on Engineering Mechanics" in Department of Civil Engineering, Sam Higginbottom Institute of Agriculture, Technology & Science (SIATS), Allahabad, Uttar Pradesh, INDIA at 17 March 2016.
5. Institute, Florida International University, Miami, USA on "Nano Scratch based Technique for Quantifying Adhere on at Submicron Scale," at 23rd July 2015 in the Seminar Room of the Department.
4. An expert lecture delivered by Dr. Arnab Kumar Ray, Assistant Professor, Jaypee University of Engineering & Technology, Guna, Madhya Pradesh on "Dynamics of the Hydraulic Jump in Shallow Flows" at 09th November 2015 in the Seminar Room of the Department.
5. An expert lecture delivered by Dr. Rudra Pratap, Professor & Chairperson, Centre for Nanoscience and Engineering, Mechanical Engineering Department, Indian Institute of Science, Bangalore-560012, Hyderabad on "How do Crickets sing? The Mechanics behind their Song Production," at 28th November 2015 in Seminar Hall of the department.
6. An expert lecture delivered by Mr. Arun Kumar Jain, Director, Acipods India, Plot No. 34, MNNIT Industrial Area, Teliarganj, Allahabad-211004 on "Challenges of Entrepreneurship: Prospects in GRP" at 18th April 2015 in Seminar Hall of the department.

Coordinator/ Co-coordinator in Workshops/ Short-Term Courses/ Training Programme

Invited Lectures Organized

1. An expert lecture delivered by Dr. Sampad Biswas, Department of Metallurgy, NIT Jaipur, Rajasthan on "Material for Armor" at 19th May 2015 in the Seminar Room of the Department.
2. Two expert lectures delivered by Dr. Vikas Kumar, Defence Metallurgical Research Laboratory (DMRL), Defence Research & Development Organization (DRDO), Kanchanbagh, Hyderabad-500058 (India) on "Structural Integrity Analysis of Safety Critical Structure & A Journey from Experimental Design" at 16th June 2015 in the Seminar Room of the Department.
3. An expert lecture delivered by Prof. Arvind Agarwal, Director, Advance Materials Engineering Research
1. A. Jain and Dr. A. R. Paul acted as the Programme Convener in a self-financed Short-term Training Programme (STTP) on "Computational Fluid Dynamics (CFD-2015)," was organized during June 22nd-26th, 2015 at Department of Applied Mechanics, MNNIT Allahabad.
2. A. Jain and Dr. A. R. Paul acted as the Chairman & Convener in a self-financed International Workshop on "Advances in the Applications of Computational Fluid Dynamics (ACFD-2015)," was organized during 12-16 August, 2015 at Department of Applied Mechanics, MNNIT, Allahabad.
3. A. Bhar acted as Workshop, Coordinator in Main Workshop on "Introduction to Structural Engineering," under the National Mission on Education through ICT (NMEICT) Supported by

MHRD, Govt. of India at Nodal Centre MNNIT Allahabad (RC ID 1330), conducted by IIT Kharagpur, India was organized during 04-09 January, 2016.

Conferences/ Workshops/ Short-Term Courses/ Training Programme Attended

1. A. Bharti attended a Short-Term course on “Matlab Based Optimization and Statistical Data processing,” held at Department of Mechanical Engineering, MNNIT Allahabad from June12-17, 2015.
2. A. Bhar attended an ISTE STTP for Coordinators, on “Introduction to Structural Engineering” under the National Mission on Education through ICT (NMEICT) Supported by MHRD, Govt. of India, during 28 September – 02 October, 2015 at IIT Kharagpur, India.
3. A. Jain attended 6th International Conference of International Scientific Academy of Engineering & Technology (ISAET) on Manufacturing and Industrial Engineering (ICMIE'15), Dubai, UAE and presented a paper Effect of Room Temperature Rolling and Cryogenic Rolling on 2024-Al Alloy during 11th-12th October, 2015.
4. A. R. Paul received the best paper award for the paper entitled “Computational Analysis of Drag Reduction for a Hatchback Car,” presented at the International Conference on Advanced Computational Technologies and Creative Media (ICACTCM-2014), August 14-15, 2015, Pataya (Thailand).
5. Received Best Paper Award on paper Krishna Brij, A. Jain, A. Bharti, “Effect of Room Temperature Rolling and Cryogenic Rolling on 2024-Al Alloy,” 6thInternational Conference on Manufacturing and Industrial Engineering (ICMIE'15), Oct 11-12, 2015, Dubai, UAE Best Student paper presentation award: Deepak Agrawal, Sharad Rawat and A. K. Upadhyay, “Crashworthiness of Circular Tubes with Structurally Graded Corrugations,” SAE India 9th International Mobility Conference, New Delhi (08-10 February, 2016).

Research Projects Ongoing/ Completed

S. No.	Principal Investigator/ Co-investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Head, AMD	DST-FIST Project	DST, New Delhi	130 Lakh	18.04.2007 (5 years) (Ongoing)
2.	Prof. K. K. Shukla	Design Simulation Modeling and Mechanical Properties Characterization of CNT Nano Composites	Advanced Systems Laboratory, Hyderabad	12.7 Lakh	12.11.2008 (3 years) (Completed)
3.	Dr. A. R. Paul (PI)	Flow Control in Complex Ducts using Synthetic Jets	SERB, DST under Start-Up Grant	23.93 Lakh	16.08.2013 (3 years) (Ongoing)
4.	Prof. Anuj Jain (PI) & Dr. Akshoy Ranjay Paul (Co-investigator)	Experimental and Computational Studies on Human Airways	SERB, DST under FSER Scheme	35,25,000	02.06.2014 (3 years) (Ongoing)
5.	Prof. Anuj Jain (PI) & Dr. A. R. Paul (Co-investigator)	Effects of Respirable Suspended Particulate Matter (RSPM) on Chronic Obstructive Pulmonary Diseases (COPD) using Computational Fluid Dynamics (CFD)	Council of Science & Technology, UP	11,48,000	14.05.2015 (3 years) (Ongoing)
6.	Dr. V. Murari (PI)	The Effect of Micro Level Progressive Matrix Plasticity on the Macro Level Response of Unidirectional Composites: Micro-mechanics based study	SERB-DST, New Delhi	24,86,000	01.01.2016 (3 years) (Ongoing)

10.2 DEPARTMENT OF BIOTECHNOLOGY

Vision

The biotechnology program vision is to provide quality teaching with a strong core science concepts and an application-oriented undergraduate and post-graduate education along with solid foundation in the rapidly expanding fields of biotechnology that enable them to produce high quality professionals. This includes trans-disciplinary teaching and research. Our goal is to provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in biotechnology.

Mission

To generate high quality engineering professionals by offering B.Tech. and M.Tech. programmes in Biotechnology and to develop a premier biotechnology teaching and research department to

cater the needs and challenges of the region and the country.

List of Laboratories

- (i) Biotechnology Laboratory-I
- (ii) Biotechnology Laboratory-II
- (iii) Bioinformatics Laboratory
- (iv) Green house
- (v) Experimental field

Courses offered by the Department

- (i) B.Tech.
- (ii) M.Tech.
- (iii) Ph.D.

Courses in which students were admitted

- (i) B.Tech.
- (ii) M.Tech.
- (iii) Ph.D.

List of Ph. D Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Shikha Devi	2012RBT06	Exploring rhizospheric bacterial diversity of rice for plant growth promotion, disease suppression and potential application in sustainable agriculture(viva delivered- 02-04-2016)	Dr. Shivesh Sharma
2.	Raj Kishor Gupta	2010RBT51	Enhancement of Bioavailable Micronutrients Iron and Zinc in Bread Wheat (<i>Triticum Aestivum L.</i>) through Reduction of Phytic Acid.	Dr. N. K. Singh

List of M. Tech Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Manisha Shukla	2013BT01	In silico designing of novel antimalarial as inhibitor of Plasmodium falciparum	Dr. Ashutosh Mani
2.	Sharmila Biswas	2013BT02	Gold Nanorod Based Colorimetric Sensor for Malathion Detection	Dr. Seema Nara
3.	K. Kanaga	2013BT03	Enhancement of Bio-oil production from algae using process parameter optimization	Dr. Sanjay Kumar
4.	T. Sharmila Raj	2013BT04	Molecular Characterisation of Grain Shape Mutant and Assessment of Bioactive Component in Basmati Rice (<i>Oryza sativa.L</i>)	Dr.N.K.Singh
5.	Pranjali Yadav	2013BT05	Synthesis Characterization and applications of Biogenic Silver Nanoparticles in thermostics	Dr. Anjana Pandey
6.	Manpreet Kaur	2013BT06	Development of an Epigenetic Biomarker for Early Detection of Epithelial Ovarian Cancer	Dr. Manisha Sachan
7.	Ashish Kumar	2013BT07	Optimization of hydrogen production process from kitchen waste by <i>Bacillus licheniformis</i> lab isolate	Dr. Anjana Pandey
8.	Amit Kumar	2013BT08	Genome wide expression profiling of Laterally	Dr. Sameer

			Spreading Tumors(LST) of colon	Srivastava
9.	Ankush Garg	2013BT10	Overexpression of lignin biosynthesis pathway gene(s) in E.coli for the production of Monolignols	Dr. Sameer Srivastava
10.	Shamita Sanga	2013BT11	Interaction of Blood Platelets with Staphylococcus epidermidis Biofilm	Dr. Vishnu Agarwal
11.	Santosh Pratap Singh	2013BT12	Design of the Biorefinery system for production of bio-fuels from kitchen waste	Dr. Sangeeta Negi
12.	Rishabh Shukla	2013BT13	Isolation Identification and Characterization of Heavy Metal Resistant Microbes from Industrial Wastewater and Their Potential in Bioremediation	Dr. Radha Rani
13.	Kashika Arora	2013BT14	To study the ATP metabolism & its effect on extra cellular inorganic phosphate levels in promastigote form of L. donovani parasite	Dr. Ambak Kumar Rai
14.	Kanchan Vishwakarma	2013BT15	Studies on Relationship of Soil Enzyme Activity Microbial Biomass and Organic Carbon Storage with respect to Climatic Parameters	Dr. Shivesh Sharma
15.	Farhan Anjum	2013BT16	Production and Charactgerization of Biosurfactant through locally isolated Bacillus species MTCC 5877 and its Application in Food Industry	Dr. Sangeeta Negi
16.	Alka Kumari	2012BT06	Study of impact of Cd toxicity on photosynthetic traits and antioxidative responses in black gram (Vigna mungo L.).	Dr. Anjana Pandey

Publication in International Journals

- A. Kushwaha, A. Gautam, S. Kumar, and R. Rani, "Heavy metal detoxification and tolerance mechanisms in plants: Its implications for Phytoremediation. Environmental Reviews," NRC Research Press, vol. 23, pp.1-13, 2015 (IF=4.0).
- A. K. Pandey, G. Edgard and S. Negi, "optimization of concomitant production of cellulase and xylanase from Rhizopus oryzae SN5 through EVOP-factorial design technique and application in Sorghum Stover based bioethanol production," Renewable Energy, vol. 98, pp. 51-56, 2016 (IF= 3.404).
- A. K. Pandey and S. Negi, "Impact of surfactant assisted acid and alkali pretreatment on lignocellulosic structure of pine foliage and optimization of its saccharification parameters using response surface methodology," Bioresource Technology, vol.192, pp.115–125, 2015 (IF= 4.917).
- B. Navyatha, R. Kumar and S. Nara, "A facile method for synthesis of gold nanotubes and their toxicity assessment," Journal of Environmental Chemical Engineering, vol. 4, no.1, pp. 924–931, 2016 (IF= 1.05).
- B. S. Yadav, S. Singh, P. Kumar, D. Mathur, R. Meena and R. Kumar, "Bioinformatics-based study on prokaryotic, archaeal and eukaryotic nucleic acid-binding proteins for identification of low-complexity and intrinsically disordered regions," Frontiers in Life Science, vol. 9, no.1, pp. 2-16, 2016 (IF=0.29).
- B. S. Yadav, S. Singh, A. K. Shaw and A. Mani, "Structure prediction and docking based molecular insights of human YB-1 and nucleic acid interaction," Journal of Biomolecular Structure and Dynamics, vol. 34, no. 12, pp. 2561-2580, 2016 (IF=2.15).
- F. Anjum, G. Gautam, G. Edgard and S. Negi, "Biosurfactant production through Bacillus sp. MTCC 5877 and its multifarious applications in food industry," Bioresource Technology, vol. 213, pp. 262-269, 2016 (IF= 4.917).
- H. Pandey, R. Rani and V. Agarwal, "Liposome and Their Applications in Cancer Therapy," Brazilian

- Archives of Biology and Technology, vol. 59, pp. 1-10, 2016(IF=0.5).
9. A. K. Rai, P. Kumar, S. Saini, C. P. Thakur, T. Seth and D. K. Mitra, "Increased level of soluble adenosine deaminase in bone marrow of visceral leishmaniasis patients: an inverse relation with parasite load," *Acta Parasitologica*, vol. 61 no.3, pp. 645-649, 2016, (IF=0.905).
 10. J. Kailashiya, N. Singh, S. K. Singh, V. Agrawal and D. Dash, "Graphene-based biosensor for detection of platelet-derived microparticles: a potential tool for thrombus risk identification," *Biosensors and Bioelectronics*, vol. 65, pp. 274-280, 2015 (IF= 7.47).
 11. K. Kanaga, A. Pandey, S. Kumar and Geetanjali, "Multi-objective optimization of media nutrients for enhanced production of algae biomass and fatty acid biosynthesis from *Chlorella pyrenoidosa* NCIM 2738," *Bioresource Technology*, vol. 200, pp. 940-950, 2016 (IF=: 4.562)
 12. A. Kanwal, M. Kaur, A. Singh, S. Gupta and M. Sachan, "Hypo/ unmethylated promoter status of Cdk2 gene correlates with its over-expression in ovarian cancer in north Indian population," *Cellular and Molecular Biology*, vol. 62 no.1, pp. 67-72 (IF=2.4).
 13. M. Kaur and M. Sachan, "Epigenetic modifications: Therapeutic potential in cancer," *Brazilian Archives of Biology and Technology*, vol. 58, no.4, pp. 526-539 (IF=0.546).
 14. M. Kaur, S. Gupta and M. Sachan, "Development of a multiplex methylight assay for the detection of DAPK and SOX1 methylation in epithelial ovarian cancer in north Indian population," *Genes & Genetic Systems*, Article ID: 15-00051, pp. 1-21, 2016.
 15. S. Kumar, A. Prabh, A. Venkata, V. Dasu, and K. Pakshirajan, "Batch and fed batch bioreactor studies for the enhanced production of glutaminase-free L-asparaginase from *Pectobacterium carotovorum* MTCC 1428," *Preparative Biochemistry and Biotechnology*, pp. 1-7, 2016 (IF= 1).
 16. M. Kalia, V. K. Yadav, P. K. Singh, D. Sharma, H. Pandey, S. S. Narvi and V. Agarwal, "Effect of Cinnamon Oil on Quorum Sensing-Controlled Virulence Factors and Biofilm Formation in *Pseudomonas aeruginosa*," *PLoS one*, vol. 10, no. 8, pp. 1-18, 2015 (IF=3).
 17. R. K. Mishra, V. Mishra, A. Pandey, A. K. Tiwari, H. Pandey, S. Sharma, A. C. Pandey and A. Dikshit, "Malassezia commensal yeasts along with multitude of antigens have been found to be associated with various skin disorders including Pityriasis versicolor (PV)," *BMC Complementary and Alternative Medicine*, vol. 16, no. 114, pp. 1-14, 2016 (IF=: 2.02).
 18. R. K. Mishra, M. Ramakrishna, V. Mishra, A. Pathak, S. Rajesh, S. Sharma, A. C. Pandey, G. N. Rao, and A. Dikshit, "Pharmaco- Phylogenetic Investigation of Methy Gallate Isolated from *Acacia nilotica* (L.) Delile and Its Cytotoxic Effect on NIH3T3 Mouse Fibroblast," *Current Pharmaceutical Biotechnology*, vol. 17, no. 6, pp. 540-548, 2016 (IF=: 2.5).
 19. V. Mishra, V. Baranwal, R. K. Mishra, S. Sharma, B. Paul and A. C. Pandey, "Titanium dioxide nanoparticles augment allergic airway inflammation and Socs3 expression via NF- κ B pathway in murine model of asthma," *Biomaterials*, vol. 92, pp. 90-102, 2016 (IF= 9.3).
 20. P. Singh, S. K. Pandey, J. Singh, S. Srivastava, S. Sachan and S. K. Singh, "Biomedical Perspective of Electrochemical Nanobiosensor," *Nano-Micro Lett.*, vol. 8, pp. 193-206, 2016 (IF-3.0).
 21. M. Pamnani, P. Sinha, A. Singh, S. Nara and M. Sachan, "Study of Sox9 and Oct4 promoter methylation and its correlation with expression during testis development in laboratory mouse," *Genetics Molecular Biology*, vol. 39, no. 3, 2016.
 22. P. Yadav and A. Pandey, "Current trends used in diagnosis of food borne pathogens," *World Journal of Pharmaceutical Research*, vol. 5, no.6, pp. 401-417 (IF= 6.8).
 23. R. K. Gupta, S. S. Gangoliya and N. K. Singh, "Screening and Characterization of Wheat Germplasms for Phytic Acid and Iron Content," *J. Agr. Sci. Tech.*, vol. 17, pp. 747-756, 2015 (IF=1.2).
 24. R. Rani and A. Juwarkar, "Influence of phorate (an organophosphorus insecticide) on the chemical composition of root," *Journal of Environmental Biology*, vol. 37, pp. 413-419, 2015 (IF=0.5).
 25. M. Rastogi, S. Gupta and M. Sachan, "Biomarkers towards Ovarian Cancer Diagnostics: Present and

- Future Prospects," Brazilian Archives of Biology and Technology, vol.59, pp.1-15, 2016.
26. S. Chakrabarty, A. Mondal, P. Chakrabarti, S. K. Singh, A. K. Saha and P. Singh, "Synthesis of biocompatible TiO₂ nanodots: Glancing angle deposition technique," Journal of Nanoscience and Nanotechnology, vol. 16, pp. 8705-8710, 2016 (IF-1.56).
 27. S. K. Pandey, P. Singh, J. Singh, S. Sachan, S. Srivastava and S. K. Singh, "Nanocarbon-based Electrochemical Detection of Heavy metals, Electroanalysis, vol. 28, no. 10, pp. 2472-2488, 2016 (IF=2.47).
 28. S. Biswas, P. Tripathi, N. Kumar and S. Nara, "Gold nanorods as peroxidase mimetics and its application for colorimetric biosensing of malathion," Sensors and Actuators B: Chemical, vol. 231, pp. 584-592, 2016 (IF= 4.2).
 29. J. Singh, S. Sharma and S. Nara, "Nanogold based lateral flow assay for the detection of Salmonella typhi in environmental water samples," Analytical Methods, vol. 7, pp. 9281-9288, (IF= 1.821).
 30. S. Srivastava, L. Anne, J. W. Jason and L. Hesson "An investigation of the potential for epigenetic inactivation by transcription read-through in a sporadic colorectal cancer," Gene, vol. 585, no. 1, pp.154-158, 2016.
 31. S. Dolly, A. Pandey, B. K. Pandey and R. Gopal, "Process parameter optimization and enhancement of photo-biohydrogen production by mixed culture of Rhodobacter sphaeroides NMBL-02 and "Escherichia coli" NMBL-04 using Fe-nanoparticle," International Journal of Hydrogen Energy, vol. 40, pp. 16010-16020, 2015(IF= 3.313).
3. S. Devi, A. Tiwari, S. Sharma, V. Kumar and S. Bisht, "Assessment of bacterial diversity and PGP activity of rhizobacteria in rhizosphere of Vigna mungo," Journal of Pure and Applied Microbiology, vol. 9, no. 1, pp. 391-396, 2015 (IF=0.1).
 4. A. Tiwari, S. Devi, S. Sharma, N. K. Singh, K. Viswakarma, N. Kumar, N. Upadhyay, R. Verma, P. Verma and V. Kumar, "Analysis of Bulk and Pigeonpea Rhizosphere Soil in Middle Gbangetic region of Uttar Pradesh. Journal of Pure and Applied Microbiology, vol. 10, no. 2, 1-7, 2016 (IF= 0.1).
 5. A. Tiwari, S. Devi, N. K. Singh and S. Sharma, "Isolation, screening and characterization of PGPR isolated from rhizospheric soils of Pigeonpea," Research Journal of Biotechnology, vol. 11, pp. 108-113, 2016 (IF= 0.24).
 6. N. Upadhyay, S. Sharma, R. Rani, S. Devi and A. Tiwari, "Unraveling the soil bacterial diversity of Chloroxylon spp. from degraded soils of Uttar Pradesh," Research Journal of Biotechnology, vol. 11, pp. 39-46, 2016 (IF=0.24).

Publication in Conferences

1. A. K. Yadav and N. K. Singh, "Combinational role of herbal and dietary phytochemicals for inhibition of cancer," ICMP 2015, Jan. 28-30, 2015.
2. A. Kumar and A. Pandey, "Effect of Ni and Fe on bio hydrogen production from Bacillus Licheniformis using kitchen waste as a carbon source," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
3. A. K. Pandey and S. Negi, "Activated Charcoal mediated conditioning of Sorghum Stover hydrolyzate for improved ethanol," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
4. V. Kumari and S. Negi, "Exploring Lignocellulolytic enzymes and their properties for the synthesis of lignin based polymers," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
5. N. Choudhary, S. Khatoun and S. Negi, "Production of Alkane Monooxygenase from grease waste using Penicillium chrysogenum SNP5 in solid state fermentation (SSF)," International conference on

- Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
6. S. Jain, S. Srivastava, S. Khaton and S. Negi, "Optimization of Process parameters and partial purification of proteases from locally isolated *Rhizopus oryzae* SN-1 strain," International Conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
 7. D. Semwal and A. Pandey, "Role of *nifH* and *nifD* genes in photofermentative hydrogen production by *Rhodobacter sphaeroides*," International Conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
 7. D. Tiwari, R. Awasthi, A. K. Meen and N. K. Singh, "Study ocular toxicity of plant lattices and its remedy," ICMP 2015, Jan. 28-30, 2015.
 8. Geetanjali, K. R. Bharadwaj, S. Kumar and R. Rani, "Effect of chamber volume, electrode material and cation exchange membrane on performance of Microbial Fuel Cell," International Conference on Advances in Energy Research (ICAER 2015), IIT Bombay, India, Dec. 15-17, 2015.
 9. Geetanjali, S. Kumar and R. Rani, "Influence of reactor configuration on power production in fed batch microbial fuel cells using pretreated mixed anaerobic culture," Indian chemical engineering congress (CHEMCON 2015), IIT Guwahati, India, Dec. 27-30, 2015.
 10. Geetanjali, S. Kumar and R. Rani, "Different reactor configuration to optimize performance of microbial fuel cell for generating power and treating domestic waste-water," International conference on Geo-Engineering and climate change technologies for sustainable environmental management 2015, Dept. of Civil Engineering, MNNIT Allahabad, Oct 9-11, 2015.
 11. K. Gupta, A. Pandey and A. Pandey, "Bandgap modulated TiO₂ Nanoparticles: synthesis, characterization and photo catalytic degradation study of methylene blue," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
 12. A. Kushwaha, A. Gautam, S. Kumar and R. Rani, "Isolation, identification and characterization of lead resistant bacteria isolated from coal mine dump and its potential in heavy metal solubilization and promoting plant growth," 56th Annual Conference of Association of Microbiologists of India (AMI-2015) International Symposium on "Emerging Discoveries in Microbiology, Convention Centre, JNU New Delhi, Dec. 7-10, 2015.
 13. A. Kushwaha, S. Kumar, R. Rani, T. Thomas, A. David and M. Ahmed, "Isolation and characterization of lead resistant bacterium and its effectiveness in lead solubilization," International conference on Translational Biotechnology, Department of Biotechnology, MNNIT, Allahabad, Feb. 4-6, 2016.
 14. M. Z. Shamim and A. Pandey, "Identification of arsenic tolerant genotypes and parental lines for grain yield improvement in black gram (*Vigna mungo* L.)," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
 15. M. Z. Shamim and A. Pandey, "Comparison of arsenic toxicity induced lipid peroxidation in different tissues of Urd bean (*Vigna mungo* L) seedlings," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
 16. M. Z. Shamim and A. Pandey, "Analysis of grain yield and its contributing components in Black gram (*Vigna mungo* (L.) Hepper). National Conference on Bioinformatics Panorama in Agriculture and Health (NCBPAH 2015)," Sam Higginbottom Institute of Agriculture, Technology & Sciences (SHIATS) Allahabad, India, Oct. 05 -06, 2015.
 17. M. Z. Shamim and A. Pandey, "Arsenic induced phytotoxicity in blackgram (*Vigna mungo* L.) during early growth stage" 3rd International Plant Physiology Congress (IPP Congress - 2015), Jawaharlal Nehru University, New Delhi, India, Dec.11-14, 2015.
 18. N. Singh and A. Pandey, "Whole CELL SELEX technology and its application," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, February 4-6, 2016.
 19. N. Gupta and A. Pandey, "Biological waste as potential substrate for biohydrogen production," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.

20. A. Pandey, K. Kamaraj and S. Kumar, "Strategic improvement of carbohydrate uptake, lipid and algal biomass production by statistical optimization of nutrients variables from *Chlorella pyrenoidosa* NCIM 2738," 68th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2015), IIT Guwahati, India, Dec. 27-30.
21. P. Yadav and A. Pandey, "Fabrication of optical biosensor for food pathogen detection," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
22. R. Shukla, A. Gautam, A. Kushwaha and R. Rani, "Reduction of hexavalent chromium by a bacterium isolated from tannery effluent," 56th Annual Conference of Association of Microbiologists of India (AMI-2015) International Symposium on "Emerging Discoveries in Microbiology, Convention Centre, JNU New Delhi, Dec. 7-10, 2015.
23. R. Shukla, A. Gautam, A. Kushwaha, R. Rani, "Isolation and characterization of chromium reducing bacteria and its potential in chromium removal from tannery effluent, International conference on Translational Biotechnology, Biosangam-2016," Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb 4-6, 2016.
24. N. K. Singh, M. Rani and T. S. Raj, "Introduction and Characterization of Potential Mutants 3. Genotypes of Basmati rice (*Oryza sativa* L.). NGG-P68," ACRISAT Hyderabad, Feb.18-20, 2015.
25. S. Yadav and S. S. Divyaravali, "Lung cancer: analysis of biomarkers and methods of diagnostics and prognostic value," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
26. S. Dolly and A. Pandey, "Process parameter optimization and enhancement of photo-biohydrogen production by mixed culture of *Rhodobacter sphaeroides* NMBL-02 and *E.coli* NMBL-04 using Fe-nanoparticle," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
27. S. Dolly, P. Sinha and A. Pandey, "Response surface methodological optimization of process parameters using Box-Behnken design on biohydrogen production from starch by *Bacillus firmus* NMBL-03," International conference on Translational Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Feb. 4-6, 2016.
28. N. Upadhyay, R. Rani and S. Sharma, "Impact of mining on surface vegetation and soil quality in kakri mines of Sonbhadra, UP, India," International conference on Translational Biotechnology, biosangam-2016, Dept. of Biotechnology, MNNIT, Allahabad, Feb. 4-6, 2016.

Papers Presented at Conferences

1. Dr. Seema Nara comparative study on the peroxidase potential of various gold nanostructures on different substrates, An International conference-NanoSciTech 2016, on the theme, "Improving Quality of Life using Nanotechnology: Potential Role of Polymers" Panjab University, February 18-20, 2016.
2. Dr. Seema Nara, multiplex immunochromatographic assay for pathogen analysis in water "An international conference on Analytical Chemistry," University of Madras, Chennai, 28th-30th Dec. 2015.
3. N. K. Singh and M. Rani, "Modeling of rice crop for sustainable yield and quality improvement in climate change conditions," 4th Uttar Pradesh Agricultural Science Congress – 2016, C. S. Azad University of Agriculture & Technology, Kanpur, March 02 -04 2016.

Patents

1. Ms. Jyoti Singh, Dr. Seema Nara and Dr. Shivesh Sharma, "Method of Simultaneous Detection of *E.coli* and *Salmonella* Species by Gold nanoparticle Based Lateral Immunoassay," Patent Application No. 3215/DEL/2015, filing date 06.10.2015.
2. Dr. Anjana Pandey and Dr. Ashutosh Pandey, "Optical biosensor and a method of preparation and its application thereof for detection of *Salmonella typhi*," Patent Application No. 201611019611, Filing date 07.06.2016.
3. S. K. Singh, P. Singh and P. Chakrabarti, Filed Indian Patent Application No.: 1687/DEL/2015; dated 05.06.2015 entitled "Electrochemical process of immuno-based thionine doped nanosilica electrode modification and its use as an enzymatic sensor for electrochemical detection of platelet hyperactivity.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Anjana Pandey	International Journal of Hydrogen Energy. Journal of Photochemistry & Photo Biology Beilste in Journal of Nanotechnology Renewable Energy Cellular & Molecular Biology Current Microbiology
2.	Dr. Shivesh Sharma	Environmental Monitoring and Assessment British Microbiology Research Journal Interdisciplinary Sciences: Computational Life Sciences SCIENCEDOMAIN International Journal of Medical and Plant Research Biotechnology and Molecular Biology Reviews African Journal of Microbiology Research International Journal of Biodiversity and Conservation International Journal of Plant & Soil Science
3.	Dr. S. Negi	Food Research International Bioresource Technology Food Technology and Biotechnology African Journal of Biotechnology Applied Biochemistry Biotechnology Brazilian Archives of Biology and Technology
4.	Dr. N. K. Singh	Euphytica Tropical journal of Agriculture
5.	Dr. M. Sachan	Cellular and Molecular Biology Clinics in Oncology
6.	Dr. S. Nara	Biosensors and Bioelectronics International J of Food Microbiology Analytical methods International J. of Nanomedicine
7.	Dr. A. Mani	Hypothesis
8.	Dr. R. Rani	Journal of Environmental Biology Journal of the institution of engineers (India), Series E African Journal of Agricultural research
9.	Dr. A. K. Rai	British medical journal infectious diseases Annals of clinical cytology and pathology
10.	Dr. S. Srivastava	Molecular Carcinogenesis
11.	Dr. S. K. Singh	Scientific Reports Carbon Journal Journal of Nanoscience and Nanotechnology

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	S. Sharma	Plant, Soil and Microbes	Interaction among Rhizospheric Microbes, Soil, and Plant Roots: Influence on Micronutrient uptake and Bioavailability.	Springer India
2.	S. Sharma	Microbial Inoculants in	Contribution of Microbial inoculants	Springer India

		Sustainable Agricultural Productivity	to soil Carbon Sequestration and Sustainable Agriculture. In Microbial Inoculants in Sustainable Agricultural Productivity.	
3.	S. Malik, M. Sachan and S. Nara	Advances in Neurotherapeutic Delivery Technologies	Nano-Strategies for Neuro-Imaging and Diagnostics. PP: 142-157 Book Title	Omics Group, ISBN: 978-1-63278-036-2
4.	M. Rastogi, P. Sinha S. Gupta & M. Sachan	Recent Advances in Ovarian Cancer.	Protein, Methylated DNA and Micro RNA: Potential Candidates towards sustainable Ovarian Cancer Diagnostics	Avid Science, Germany, ISBN: 978-81-932583-4-7
5.	S. Negi and Kumari Vibha	Current Developments in Biotechnology and Bioengineering: Production, Isolation and Purification of Industrial Products'	Glucosylases	Elsevier
6.	S. K. Singh and D. Dash	Exploration of interface between Graphene sheets & Thrombus biology		LAP Lambert Academic Publishing Editor- Lydia Hoskinson, pp 1-107, ISBN: 978-3-659-89068-0
7.	A. Kushwaha, R. Rani, S. Kumar (2015)	Environmental Science & Engineering (vol 12),	Mechanism of Soil-Metal-Microbe Interaction and Its Implication on Microbial Phytoremediation	In:editor N Govil 277 -303 Studium Press USA. (In Press)

Conference/ Workshop/ Short Term Course Organized by Department

Sl. No.	Conference/ Workshop/ Short Term	Title	Month & Year
1.	International Conference	International Conference on Translational Biotechnology (BioSangam 2016) MNNIT Allahabad-211004	February 4-6, 2016
2.	Short Term Course	Genomics for Crop Improvement	December 23-29, 2015

Invited Lectures Delivered

Sl. No.	Title of Lecture	Short Term Course/ Conference/Organisation	Date	Organisation
1.	Role of Nanobiotechnology in disease diagnosis and drug delivery (Dr. A. Pandey)	A National Conference on Recent Trends and Advances in biotechnology (Biokumbh- 2016)	February 20-21, 2016	University of Allahabad
2.	Invited talk on Molecular Markers (Dr. A. Pandey)	Genomics for Crop Improvement	December 23, 2015	MNNIT Allahabad
3.	Inspire lecture (Dr. A. Pandey)	Concept of Nanobiotechnology and its applications		MNNIT Allahabad
4.	Economical as well as Quantitative Flow Cytometry (Dr. A. K. Rai)	Flow cytometry: Applications in research, Diagnostics and Health care innovation	December 15-21, 2015	CMDR, MNNIT

5.	Immobilized Enzymes: Biomedical Approach (Dr. Sangeeta Negi)	A Short Term Course	June 12, 2015	Department of Biomedical Engineering, IIT, Allahabad, India.
6.	Enzymes In Food Industries (Dr. Sangeeta Negi)	Workshop	Feb 25, 2015	Department of Dairy Technology, SHIAT, Aild.
7.	Enzyme Technology: Break through in Biofuels Production (Dr. Sangeeta Negi)	Conference	January 28, 2015	Department of Bio-technology, Arunai Engineering College, Chennai, Tamil Nadu
8.	Immobilized Enzymes: Biomedical Approach (Dr. Sangeeta Negi)	A Workshop	January 14, 2015	Department of Bio-technology, MNNIT, Allahabad
9.	Technology: A Tool for Progress (Dr. Sangeeta Negi)	Workshop	January 24, 2015.	Department of Bio-technology, MNNIT, Allahabad
10.	Delivered invited lecture on "Application of Nanotech-nology in Agriculture" (Dr. Sunil Singh)	Short Term Course on "Genomics for Crop Improvement"	December 23-29, 2015	Department of Bio-technology, MNNIT Allahabad
11.	Delivered invited lecture on "Next Generation DNA Sequencing Technology and its application in Crop Improvement" (Dr. Sameer Srivastava)	Short Term Course on "Genomics for Crop Improvement"	December 23-29, 2015	Department of Bio-technology, MNNIT Allahabad

Invited Lectures Organized

1. Prof. Akhil C. Banerjee, National Institute of Immunology (NII), New Delhi, delivered a lecture on "HIV Biology & Pathogenesis," on Nov. 06, 2015.

2. Dr. Reetesh Kumar, Postdoctoral fellow: BEPE Fellowship Structural Bioinformatics Laboratory (GRIB) Barcelona Research Park of Biomedicine (PRBB) University Pompeu Fabra (UPF) BARCELONA, SPAIN delivered lecture on "Stress Grammlles Biology" on May 23, 2016.

Coordinator/ Co-coordinator in Workshops/ Short-Term Courses/ Training Programme

Sl. No.	Name of Faculty	In the Capacity of	Title	Month & Year
1.	Dr. A. Pandey	Convener	International conference on Translational Biotechnology (BioSangam 2016) MNNIT Allahabad-211004	February 4-6, 2016
2.	Dr. N. K. Singh and Dr. Ashutosh Mani	Convener & Coordinator	Genomics for Crop Improvement	December 23-29, 2015

Conferences/ Workshops/ Short-Term Courses/ Training Programme

Conferences/ Seminar/ Workshop attended	Title	Duration	Organized at
Conferences	New Horizons in Bio-Technology (NHBT 2015) (Dr. Sangeeta Negi)	22-25 November	NIIST-Trivandrum
Conferences	International conference-NanoSciTech 2016, on the theme, "Improving Quality of Life using Nanotechnology: Potential Role	February 18-20, 2016.	Panjab University, Chandigarh

Conferences	of Polymers" (Dr. Seema Nara) International conference on Analytical Chemistry (Dr. Seema Nara)	December 28-30, 2015	University of Madras, Chennai
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Research Projects Ongoing/ Completed

Sl. No.	Title of Project	Period	Sponsoring Organization	Amount [in lakh]	Duration
1.	Integrated bio-hydrogen production from renewable biomass and biological wastes using microbial strains	March 2014-2017	DBT, Gol	48.09	3 Years
2.	Process development for bioconversion of grease into long chain fatty acids. (In collaboration with IIT, Delhi)	2014-2017	DBT, GOI	57.60	3 Years
3.	Mission Mode project on Hydrogen Production through biological routes December 16 2009- December 16, 2014	2010-2015	MNRE, GOI	40.50	5 Years
4.	Sorghum Stover-based Biorefinery for Fuels and Chemicals. (In collaboration with TERI, Delhi, IICT, Hyderabad and NIIST, Trivandrum)	2012-2015	MNRE, GOI	38.764	3 Years
5.	Process development for cellulosic ethanol production from Himalayan Chir Pine (Pinus roxburghii) forest waste.	2011-2015	DST, GOI	19.90	4 Years
6.	Study to investigate the therapeutic efficacy of CD5 blocking in treatment of T cell lymphoblastic leukemia	2015-18	DBT, GOI	25.00	03 Years
7.	Rapid assay for simultaneous detection of toxins of Staphylococcus aureus and Clostridium botulinum in dairy products	May 2014-2017	DST-SERB	25.61	03 years
8.	Study of antibody and human morphonu-clear neutrophils (PMN) mediated phagocytosis of PNAG positive Staphylo-coccus epidermidis biofilms and estimation of Caspase-3-like Protease (CLP) production".	August 2013-2016.	DBT , GOI	27.07	03 years
9.	Domain specific functional investigation of YB-1(a cold shock domain protein) interacting proteins as prospective therapeutic targets in adenocarcinoma of colon.	April 2015- March 2018	DST-SERB, GOI	30.00	3 Years
10.	Identification of novel drug targets in Aspergillus fumigatus genome prioritized by essentiality based screening and rational designing of new antifungal compounds	August 2015- July 2018	CST UP	09.00	3 Years
11.	Study of arachidonic acid pathway in human visceral leishmaniasis: therapeutic efficacy of α -linoleic acid as a dietary supplement with sodium antimony'	2014-2017	DST,GOI	20.50	3 years
12.	Characterization of epigenetically deregulated Genes In Colorectal Adenomas/Carcinomas Using Next Generation Sequencing Technologies for development of novel	2015-2018	DBT, GOI	24.955	3 Years

Biomarkers				
13. Biocompatible Nanomaterial based electro-chemical biosensor for the detection of Platelet hyperactivity	2013-2018	DST, GOI	35.00	5 years

Other Information

- (i) Dr. Anjana Pandey was awarded Executive Endeavour fellowship 2015 from Australian Government.
- (ii) An international MOU with Victoria University, Melbourne has been established to foster collaborative research.
- (iii) S.K. Singh was Awarded NASI-Young Scientist Platinum Jubilee Award-2015 from The National Academy of Sciences Allahabad, India.

International Visits

- (i) Dr. A. Pandey visited Institute of Sustainability and Innovation, Victoria University, Research under Executive Endeavour Fellowship and delivered two invited talks during May 17, August 17, 2015.
- (ii) S. K. Singh worked as Guest Research Scientist: June 2015 – August at Institute for Cardiocascular Prevention (IPEK), Ludwig Maximilians University (LMU) Munich, Germany.

10.3 DEPARTMENT OF CIVIL ENGINEERING

Vision

To provide quality teaching with a strong concept of engineering and technology and an application-oriented U.G., P.G. and Doctoral education along with solid foundation in the rapidly expanding fields of Civil Engineering that enable them to produce high quality professionals. This includes trans-disciplinary teaching and research.

To provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in Civil Engineering.

Mission

List of Ph.D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis title	Supervisor(s)
1.	Vijay Kumar	2010RCE04	Estimation of Liquefaction Potential of Soils Using Soft Computing Methods	Dr. Kumar Venkatesh & Dr. R. P. Tiwari

To generate high quality engineering professionals by offering U.G., P.G. and Doctoral programmes in Civil Engineering.

To develop a premier Civil Engineering teaching and research department to cater the needs and challenges of the region and the country.

List of Laboratories

- (i) Structural Engineering Laboratory
- (ii) Geotechnical Engineering Laboratory
- (iii) Environmental Engineering Laboratory
- (iv) Transportation Engineering Laboratory
- (v) Survey Laboratory
- (vi) CAD Laboratory
- (vii) Geology Laboratory

Courses Run by Department

- (i) B.Tech. Civil Engineering
- (ii) M.Tech.Civil Engineering (Structural Engineering)
- (iii) M.Tech.Civil Engineering (Geotechnical Engineering)
- (iv) M.Tech.Civil Engineering (Environmental Engineering)
- (v) M.Tech. Civil Engineering (Transportation Engineering)
- (vi) M.Tech. Civil Engineering (Environmental Geotechnology)
- (vii) Ph.D.

Courses in which students were admitted

- (i) B.Tech., Civil Engineering
- (ii) M.Tech. Civil Engineering (Structural Engineering)
- (iii) M.Tech. Civil Engineering (Geotechnical Engineering)
- (iv) M.Tech. Civil Engineering (Environmental Engineering)
- (v) M.Tech. Civil Engineering (Transportation Engineering)
- (vi) Ph.D.

2.	V. P. Singh	2012RCE51	Human Health Risk Based Assessment of Contaminated Land and Remediation Selection Appraisal	Prof. R. K. Srivastava
3.	Paritosh Srivastava	2008RCE05	Optimization of Cropping Pattern in a Command Area with Groundwater Management.	Dr. Raj Mohan Singh
4.	Shachi Jain	2010RCE07	Pre-stressed Concrete Bridge Decks – A Parametric Study.	Dr. P. K. Mehta and Dr. S. K. Duggal

List of M. Tech. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis title	Supervisor(s)
1.	Shweta Rai	2013EN02	Solid Waste Management in slum areas near Sangam in Allahabad City during Magh-Mela	Dr. Nekram Rawal
2.	Chaitanya Nidhi	2013EN20	Development of Optimal Collection & Transportation System of Solid Waste in Allahabad City using GIS	Dr. Nekram Rawal
3.	Kshitij Upadhyay	2013EN17	Simultaneous Removal of Iron, Manganese and Arsenic through a multimedia filter system	Dr. R. P. Singh
4.	Nazmi Mjaffer	2013EN19	Studies on Pre-Fabricated Mini Water Filtration Plant	Dr. R. C. Vaishya
5.	Sawan Khare	2013EN08	Water Safety Research Through Sanitary Improvement	Dr. R. C. Vaishya
6.	Pradhi Rajeev	2013EN18	Performance Assessment of a Wastewater Treatment Plant by Regression Analysis- A case study	Dr. D. Basu
7.	Aviral Jain	2013EN13	Optimization of the Physical Design of a Waste Stabilization Pond in Uttar Pradesh	Dr. D. Basu
8.	Suneeti Mishra	2013EN21	Flow & non-point source pollution modeling in river system	Dr. R. M. Singh
9.	Suraj Kumar	2013EN04	Geo-environmental assessment at Bicchariashop Renusagar, District-Sonabhadra	Dr. H. K. Pandey
10.	Anand Prakash	2010PTEN12	Management of Construction and demolition waste	Dr. R. C. Vaishya
11.	Kaushal Kumar	2013GI27	Geospatial Analysis and Geo-Visualization of Climate Data and Designing its Forecasting Model	Dr. Varun Singh
12.	Pankaj Singh Rana	2013GE06	Geostatistical Analysis of Geotechnical Data of Allahabad City	Dr. Kumar Venkatesh and Dr. Varun Singh
13.	Abhijit Vijay Ambhore	2013GI01	Geospatial Analysis and Geo-Visualization of Vehicle Specific Link Speed Data	Dr. Varun Singh
14.	Ashutosh Kumar Tripathi	2013GI23	Geospatial Network Analysis	Dr. Varun Singh
15.	Ankit Kumar Singh	2013EN23	Design, Development and Analysis of a Filtration System for Iron Removal	Dr. R. P. Singh
16.	Mohit Somani	2013EG02	Divisional landfills: A Proposal for MSWM of Allahabad Division, Uttar Pradesh Indian	Dr. R. K. Srivastava Dr. Kumar Venkatesh
17.	Tekedil Zeenat Humsa	2013EG12	Geoenvironmental Characterization and Health Risk Assessment of Contaminated	Dr. R. K. Srivastava

18.	Rashmi Shrivastava	2013GE17	Land at Chavara, Kollam, Kerala Remediation of Acid Effluent Contaminated Soil of KMML, Chavara, Kollam, Kerala, By Lime Treatment	Dr. R. K. Srivastava
19.	Nitish Chitransh	2013GE12	A study on behavior of highly acidic soil	Dr. R. K. Srivastava
20.	Ashish Kumar	2013EG07	Strength Behaviour of Black Cotton Soil Using Fly Ash and Lime	Dr. R. P. Tiwari Dr. Vijay Kumar
21.	Saumya Srivastava	2013EG17	Analysis of Lead Contaminated Soil and It's Electro- Remediation	Dr. R. P. Tiwari Dr. Vijay Kumar
22.	Lipan Kumar Patel	2013EG08	Characterization and remediation selection of contaminated sites at Singrauli (MP)	Dr. V. P. Singh
23.	Shubham Chaurasiya	2013EG15	Health risk assessment of contaminated land at industrial site, Singrauli (MP)	Dr. V. P. Singh
24.	Sugam Mehrotra	2013GE05	Estimation of greenhouse Gas emissions from open dumps in Allahabad – A Case Study	Dr. R. K. Srivastava
25.	Arjit Verma	2013GE20	Study of Dynamic Soil Structure System for the Structure Influenced by Random Vibration	Dr. Vijay Kumar
26.	Rahul Kumar	2013GE10	Stability and analysis of retaining Wall of Bank Areas the River Ganga	Dr. Vijay Kumar Dr. R. P. Tiwari
27.	Rahul Yadav	2013GE11	Calculation of Liquefaction potential of Lucknow city soil by empirical and probabilistic approach	Dr. Vijay Kumar Dr. R. P. Tiwari
28.	Ranjan Singh	2013GE14	Seismic Microzonation of Allahabad City	Dr. Vijay Kumar Dr. R. P. Tiwari
29.	Ashish Mishra	2013GE19	A Decision support tool for selection of remediation technology for contaminated sites	Dr. R. K. Srivastava
30.	Arijit Verma	2013GE20	Study of Dynamic Soil-Structure System for the Structure Influenced by Random Vibration	Dr. R. P. Tiwari
31.	Shivam Srivas	2013GE13	Modeling and Analysis of Tunnels in Soft Soil using Finite Element Method	Dr. Kumar Venkatesh
32.	Sandeep Kumar	2013GE01	Behaviour of pileed raft foundation using Finite Element Method	Dr. Kumar Venkatesh
33.	Siva Ram Karumanchi	2013GE16	Seepage Analysis of Earthen Dam by Finite Element Method	Dr. Kumar Venkatesh
34.	Ashish Bhatt	2013GE22	A web based tool for human health risk assessment	Dr. V. P. Singh
35.	Kuldeep Verma	2013GE21	Evaluation of contaminants and health risk assessment at Rania industrial belt	Dr. V. P. Singh
36.	Abhishek	2013GE15	Remediation technology selection for contaminated site of Rania Industrial Area, Kanpur Dehat, India	Dr. V. P. Singh
37.	Vaishali Rajbhar	2013GE02	Application Of Jute Geotextile for Unpaved Road Construction	Dr. Shalinee Shukla
38.	Kshama Gupta	2013GE18	Application of non-woven geotextile for soil improvement in pavements	Dr. Shalinee Shukla
39.	Sanjay Kr. Diwarkar	2013ST09	Utilization of Pond Ash in Concrete	Dr. A. K. Sachan

40.	Varsha Awasthi	2013ST05	Comparative Analysis of Steel Telecommunication Tower Subjected to Seismic and Wind Loading	Dr. A. K. Sachan Dr.S.K. Duggal
41.	Awadhesh Sharma	2013ST18	Acid Effect on Fibre Reinforced Concrete	GGBS Dr. P. K. Mehta Dr. Rakesh Kumar
42.	Ashish	2013ST10	Acid Effect on Fibre Reinforced Concrete	Silica Fume Dr. P. K. Mehta Dr. Rakesh Kumar
43.	Anuja B	2013ST07	Pushover Analysis of a Curved Bridge	Dr. G. Ghosh Dr. Y. K. Gupta
44.	Lekhraj Meena	2013ST04	Design of a R. C. Frame Building using Force based and Displacement based Methods	Dr. Y. K. Gupta Dr. G. Ghosh
45.	Sourav Das	2013ST02	Prediction of Concrete Mix Proportion using ANN Technique	Dr. P. R. Pal
46.	Rahul Singh	2013ST21	Economical Design of Thin Stiffened Square Plates using FEM	Dr. P. R. Pal
47.	Shridhar M Kulkarni	2013ST08	Structural Damage Identification Using High Frequency Signature	Dr. Rama Shanker Dr. A. Rawat
48.	Lav Joshi	2013ST19	Simulation of ground motion during the 1934 Bihar-Nepal Earthquake	Dr. S. K. Duggal Dr. K. Pallav
49.	Kudumula Mani Kumar	2013ST14	Site response analysis of Vrindavan area, Lucknow	Dr. K. Pallav
50.	Harshit Jain	2013ST20	Damage diagnosis of structural panel obliging varying load conditions	Er. A. Rawat
51.	Mamilla Govardhan Reddy	2013ST16	Comparative Analysis of various International Codes of Practice For Building and Bridges	Dr. L. K. Mishra Dr. Goutam Ghosh
52.	Akhilraj T V	2013ST11	Structural Design of Joints in Prefabricated Concrete Structures	Dr. L. K. Mishra

Publication in International Journals

1. A. Bhardwaj, M. K. Singh, P. K. Joshi, Snehmani, S. Singh, L. Sam, R. D. Gupta and R. Kumar, "A lake detection algorithm (LDA) using Landsat 8 data: A comparative approach in glacial environment," International Journal of Applied Earth Observations and Geoinformation, vol. 38, p. 150-163, June, 2015.
2. A. I. Khan, K. Venkatesh and R. K. Srivastava, "Analysis of Different Tunnels in various types of Rocks by FEM," Discovery, vol. 40 no. 181, pp. 69-75, Oct., 2015.
3. A. K. Purwar and R. C. Vaishya, "Cost optimize municipal solid waste diversion scenarios of waste treatment technologies for South Delhi municipal corporation, India," Discovery, vol. 40, no. 183, pp. 137-143, Oct., 2015.
4. A. P. Singh, A. K. Sharma, V. Singh and A. Sharma, "A Fuzzy based methodology for user's perception evaluation of low floor buses for Bhopal city," International Journal of Applied Engineering Research (IJAER), vol. 10, no. 22, pp 42907-42909, Nov., 2015.
5. A. Rawat "Stability and Analysis of Retaining Wall of Bank Areas of the Ganga River," Journal of Geotechnical Engineering, vol. 2, no. 2, 2015.
6. A. Rawat, "A review on consumption of energy in building construction techniques in India," Discovery, vol. 2, no. 2, Oct. 2015.
7. A. Tiwari, R. Dwivedi, O. Dikshit and A. K. Singh, "A study on measuring surface deformation of L'Aquila region using StaMPS," International Journal of Remote Sensing archive, vol. 37, Issue 4, pp. 819-830, Feb., 2016
8. A. Topno, A. K. Singh and R. C. Vaishya, "Land Suitability Analysis for Plantation Using Spatial Technology in Vindhyachal Region," Discovery, vol. 41, no. 187, pp. 40-46, Oct. 2015.
9. A. Topno, A. K. Singh and R. C. Vaishya, "SCS CN runoff estimation for Vindhyachal region using remote sensing and GIS," International Journal of

- Advanced Remote Sensing and GIS, vol. 4, no. 1, pp. 1214-1223, Aug., 2015.
10. A. Topno, A. K. Singh and R. C. Vaishya, "Delineate Catchment Areas of Vindhyachal Region Using Geospatial Techniques," International Journal of Water Resources Engineering, vol 1, no. 1, April, 2015, pp 1-9.
 11. B. Prajapati, A. K. Sachan and R. P. Tiwari, "Comparative study of used foundry sand and marble dust on geotechnical properties of silty soil," International Research Journal of Engg. & Technology, vol. 3, no. 5, pp. 1316-1325, 2016.
 12. B. Prajapati, A. K. Sachan and R. P. Tiwari, "Utilization of used foundry sand in concrete mix design," International Journal of engineering science invention research & development, vol. 2, no. 9, pp. 615-622, March, 2016.
 13. B. Jain and K. Venaktesh, "Parametric Assessment of Soil Nailing- A review," Discovery, vol.42, no. 191, pp.1-5, Oct., 2015.
 14. D. K. Singh, S. K. Duggal and P. Pal, "Analysis of stiffened plates using FEM – A parametric study," International Research Journal of Engineering and Technology (IRJET), vol. 2, no. 4, pp. 1650-1654, July, 2015.
 15. D. Singh, R. D. Gupta and S. K. Jain, "Assessment of Impact of Climate Change on Water Resources in A Hilly River Basin," Arabian Journal of Geosciences, vol. 8, issue 12, pp. 10625–10646, Dec., 2015.
 16. D. Singh, R. D. Gupta and S. K. Jain, "Statistical Analysis of Long Term Spatial and Temporal Trends of Temperature Parameters over Sutlej River Basin, India," Journal of Earth System Science, vol. 124, Issue 1, pp. 17-35., Feb., 2015.
 17. D. Singh, R. D. Gupta and S. K. Jain, "Trend in observed and projected maximum and minimum temperature over N-W Himalayan basin," Journal of Mountain Sciences, vol. 12, Issue 1, pp. 417-433, March 2015.
 18. D. Srivastava and R. M. Singh, "Groundwater system modeling for simultaneous identification of pollution sources and parameters with uncertainty characterization", Water Resource Management, vol. 29, no. 13, pp. 4607-4627, Aug., 2015.
 19. D. V. Singh, A. K. Sachan and A. Rawat "Development of Corrosion Detection Techniques for Reinforced Concrete Structures," Indian Journal of Science and Technology, vol. 9, no. 2, pp. 1-5, 2016.
 20. D. V. Singh, A. K. Sachan and A. Rawat, "A review on consumption of energy in building construction techniques in India," Discovery, vol. 39, no. 177, pp. 69-74, Oct. 2015.
 21. G. Srivastava, R. K. Srivastava and R. C. Vaishya "Web GIS based decision support system for school analysis for sustainable decision making of bundelkh and zone of uttar Pradesh," Journal of Information Technology and Computer Applications, vol. 1, no. 1, pp. 1-9, 2015.
 22. H. Jain, A. K. Sachan and A. Rawat, "A Review on advancement of sensor technology in structural health monitoring," STM Journal of Structural Engineering and Management, vol. 2, no. 3, pp. 1-7, June, 2015.
 23. H. K. Pandey, S. K. Duggal and A. Jamatia, "Fluoride Contamination of Ground Water and it's Hydrogeological Evolution in District Sonbhadra (UP, India)," Proceedings of the National Academy of Sciences, vol. 86, no. 1, pp. 81-93, Dec., 2015.
 24. H. S. Parihar, Rama Shanker, A. K. Sachan and A. Rawat, "Structural Modelling for Fatigue Analysis," STM Journal of Structural Engineering and Management, vol. 3, 2016.
 25. K. K. Sharma, S. K. Duggal, D. K. Singh and A. K. Sachan, "Comparative Analysis of Steel Telecommunication Tower Subjected to Seismic & Wind Loading," Civil Engineering and Urban Planning: An International Journal (CiVEJ), vol. 2, no.3, pp. 15-33, Sept., 2015.
 26. K. K. Singh and R. C. Vaishya, "Biodegradation of Recalcitrant Pollutants by Bacterial Isolates from Municipal Waste Water," International Journal for Technological Research in Engineering, vol. 3, no. 9, pp. 2256-2261, 2016.
 27. K. K. Singh and R. C. Vaishya, "Isolation of Bacterial Isolates from Municipal Wastewater for Bioremediation of Anionic Surfactants," International Journal of Scientific Progress & Research (IJSPPR), vol. 23, no. 03, pp. 181-185, 2016.

28. K. K. Singh, K. Gautam and R. C. Vaishya, "Bioremediation of Petroleum Hydrocarbons from Crude Oil contaminated site by Gravimetric Analysis," *International Journal of Scientific Progress & Research (IJSPR)*, vol. 22, no. 02, pp. 75-78, 2016.
29. K. K. Singh, K. Gautam and R. C. Vaishya, "Plastic-Degrading Bacteria from Municipal Wastewater," *International Journal of Scientific Progress & Research (IJSPR)*, vol. 21, no. 03, pp. 147-154, 2016.
30. K. Pallav, S. T. G Raghukanth and K. D. Singh, "Estimation of seismic site coefficient and seismic microzonation of imphal city, India, using the probabilistic approach," *Acta Geophysica*, vol. 63, no. 5, pp. 1339-1367, Nov., 2015.
31. L. Chanduka, R. P. Singh, and A. Dhir, "Non-Linear Regression Models for PM10 and PM2.5 Concentrations in Ambient Air due to Burning of Crop Residues," *International Journal of Pollution Effects & Control*, vol. 8, no.1, Dec. 2015, pp.1-8.
32. M. Jain and R. K. Srivastava, "Green and Sustainable Remediation of Contaminated Soil: A Review," *Discovery*, vol. 42, no. 191, pp. 12-18, Oct., 2015.
33. M. K. Singh, R. D. Gupta, Snehmani, A. Bhardwaj and A. Ganju, "Effect of sensor modelling methods on computation of 3-D coordinates," *Geocarto International*, vol. 31, issue 5, 2015.
34. M. K. Singh, R. D. Gupta, Snehmani, A. Bhardwaj and A. Ganju, "Scenario-Based Validation of Moderate Resolution DEMs Freely Available for Complex Himalayan Terrain," *Pure and Applied Geophysics*, vol. 173, issue 2, pp. 463-485, Feb., 2016.
35. M. K. Singh, R. D. Gupta, Snehmani, S. Kumar and A. Ganju, "Assessment of freely available Carto DEM V1 and V1. 1R1 with respect to high resolution aerial photogrammetric DEM in high mountains," *Geocarto International*, vol. 31, issue 9, pp. 943-955, Oct., 2015,
36. M. Pandey, V. Singh and R. C. Vaishya "Geospatial Analysis of Disease Data in Industrial Town of Anpara," *Discovery*, vol. 39, no. 178, pp. 82-87, Oct. 2015.
37. M. Vasudevan, P. S. Ajith kumar, R. P. Singh and N. Natarajan, "Mass transfer kinetics using two-site interface model for removal of Cr(VI) from aqueous solution with cassava peel and rubber tree bark as adsorbents", *Environmental Engineering Research*, vol. 21, no. 2, pp. 152-163, Feb., 2016.
38. N. Chaudhary, V. P. Singh, M. Jain and R. K. Srivastava, "Electrokinetic Remediation of Heavy metal Contaminated Site: A Review," *Discovery*, vol. 42, no. 191, pp. 6-11, Oct., 2015.
39. P. Shukla and R. M. Singh, "Groundwater flow modeling in a part of Ganga Yamuna Interfluvial region," *Discovery*, vol. 41, no. 189, pp. 116-122, Oct. 2015.
40. P. K. Srivastava and R. M. Singh, "GIS based integrated modelling framework for agricultural canal system simulation and management in Indo-Gangetic plains of India," *Agricultural Water Management*, vol. 163, no. 1, pp. 37-47, Jan., 2016.
41. P. K. Srivastava and R. M. Singh, "Optimization of cropping pattern in a canal command area using fuzzy programming approach," *Water Resource Management*, vol. 29, issue 12, pp. 4481-4500, Sept. 2015.
42. R. Kumar, A. Rawat and V. Kumar, "Stability and Analysis of Retaining Wall of Bank Areas of the Ganga River," *Journal of Geotechnical Engineering*, vol. 2, Issue 2, pp. 15-19, 2015.
43. R. M. Singh and S. K. Duggal, "Optimal Design of Hydraulic Structures with Hybrid Differential Evolution Multiple Particle Swarm Optimization," *Canadian Journal of Civil Engineering*, vol. 42, no. 5, pp. 303-310, March, 2015.
44. R. P. Tiwari, A. Alok and R. P. Singh, "Selection of a suitable surfactant based on zeta potential for use as purging solution in electro kinetic remediation of cadmium from cadmium contaminated soil," *Oxidation Communications*, vol. 38, no.3, pp.1511-1520, 2015.
45. R. R. Singh and P. Pal, "Analysis of stiffened isotropic and composite plate," *International Research Journal of Engineering and Technology (IRJET)*, vol. 3, no. 2, pp. 889-895, Feb., 2016.
46. R. M. Singh, and P. Shukla, "Groundwater system simulation and management using Visual MODFLOW and Arc SWAT," *Journal of Water*

- Resource and Hydraulic Engineering, vol. 5, no.1, pp. 29-35, March, 2016.
47. S. B. Rushad, Y. Prasad, S. K. Duggal and P. K. Mehta, "Rat trap bond- strength & cost aspects," Journal of Civil Engineering & Construction Review, vol. 26, no. 19, pp. 92-94, 2015.
 48. S. Das, P. Pal and R. M. Singh, "Prediction of concrete mix proportion using ANN technique," International Research Journal of Engineering and Technology (IRJET), vol. 2, no. 5, pp. 820-825, Aug., 2015.
 49. S. Gupta and R. K. Srivastava, "Health Risk Assessment of a Soil Contaminated by the Carpet Industry Waste (Sluge)", International Journal of Research in Environmental Science and Technology, vol. 5, no. 3, pp. 68-75, Aug., 2015.
 50. S. Gupta and R. K. Srivastava, "Evaluation of Cement Kiln Dust Stabilized Heavy Metals Contaminated Expansive Soil- A Laboratory Study," European Journal of Advances in Engineering & Technology, vol. 2, no. 5, pp. 37-42, 2015.
 51. S. Singh and R. K. Srivastava (2015) "An approach for designing appropriate water tariff structure: Case study of Allahabad city (India)," International Journal of Environmental and Sustainable Development, vol. 14, no. 2, 2015, pp. 132-142.
 52. S. S. Naqvi, V. P. Singh, S. M. Abbas and R. K. Srivastava, "Compaction characteristics of mixture of two soils," Discovery, vol. 42, no. 191, pp. 18-25, Oct., 2015.
 53. S. Mishra and R. M. Singh, "Artificial Intelligence technique used for stream flow modelling," Discovery, vol. 41, no. 189, pp. 116-122.
 54. V. K. Purwar, V. Singh and R. C. Vaishya "Geospatial Analysis of Regional Milk Distribution for Allahabad City," Discovery, vol. 39, no.178, pp. 93-99, Oct. 2015.
 55. V. P. Singh and R. K. Srivastava, "Human health risk based sustainable management for a contaminated site- A case study," Journal of Geotechnical and Geoenvironmental Engineering, 2015.
 56. V. Singh, R. P Singh and N. D. Pandey, "Influencing factors of granule size in UASB reactor and Mathematical approach for its prediction," International J. Innovative Research in Science, Engineering and Technology, vol. 4, no. 6, June, 2015.
 57. Y. K. Gupta and K. Venkatesh, "Seismic behaviour of framed structure including foundation system," Discovery, vol. 42, no. 195, pp. 272-281, Oct. 2015.
 58. Y. P. Singh, R. P. Singh, A. K. Singh, and D. K. Yadav, "Using GIS and Remote Sensing Technique for Zoning of Wastewater Drainage of Allahabad City," International Journal of Advanced Remote Sensing and GIS, vol. 4, no. 1, pp.1419-1434, Dec., 2015.
 59. Y. P. Singh, R. P. Singh, A. K. Singh and D. K. Yadav, "Using GIS and Remote Sensing Technique for Zoning of Wastewater Drainage of Allahabad City," International Journal of Advanced Remote Sensing and GIS, vol. 4, no. 1, pp. 1419-1434, Dec., 2015.

Publication in National Journals

1. K. K. Sharma, S. K. Duggal and D. K. Shukla, "Effect of Addition of Nanoalumina on Properties of Cement Mortar," Civil Engineering and Construction Review, vol. 28, pp. 50-52, July, 2015.

Publication in Conferences

1. M. Yadav, A. Husain, A. K. Singh, B. Lohani, "3D rural road surface points detection using mobile LiDAR data for its condition assessment," In Proc. 3rd Conference of Transportation Research Group of India, Kolkata, India Dec. 17-19, 2015.
2. A. Mittal and S. Shukla, "Geotextile: an overview," in Proc. 50th Indian Geotechnical Conference, Government College of Engineering, Pune, India Dec. 17-19, 2015.
3. I. A. Khan, K. Venkatesh and R. K. Srivastava, "Fractured and unfractured analysis of rock tunnel by finite element method," in Proc. IGC 2015, Pune, India, Dec.17-19, 2015.
4. S. T. Rushad, S. K. Duggal and K. K. Shukla, "Experimental Investigation of RC Beams Strengthened with 4-layerd Symmetric Cross-ply (SCP) GFRP Laminate," in Proc. International conference on innovations in structural engineering, Osmania University Hyderabad, India, Dec. 14-16, 2015.
5. K. K. Sharma, S. K. Duggal and D. K. Shukla, "Effect of addition of nanoalumina on properties of cement mortar," in Proc. Innovative Building

- Materials & Technology for sustainable Constructions, The Institution of Engineers, UP State Centre, Lucknow, Aug. 22-23,2015.
6. R. M. Singh and P. Shukla, "Analyzing hydrological trends in surface and groundwater regime in Sai Gomti interflaves," in Proc.India Water Week, Water for All: Striving together, New Delhi, India, Apr. 4-8, 2016.
 7. V. Singh, R. M. Singh and N. R. Rawal, "Municipal solid waste management with uncertainty analysis for urban cities," in Proc.International Conference on Water, Environment," Energy and society AISECT University, Bhopal, India, Mar. 15-18, 2016.
 8. P. Shukla and R. M. Singh, "Groundwater system modelling and sensitivity of groundwater level prediction in indo-gangatic alluvial plain," in Proc. International Conference on Water, Environment, Energy and society AISECT University, Bhopal, India, March 15-18, 2016.
 9. R. M. Singh and P. Shukla, "Groundwater system modelling with parametric uncertainty characterization for sai-gomti inter-fluvial plain,"in Proc. Hydraulics, Water Resources, Coastal and Environmental Engineering, IIT Roorkee, Uttarakhand, India, December 17-19, 2015
 10. R. M. Singh and Shilpi, "Change detection and hydrologic responses simulation for LULC changes using remote sensing and GIS," in Proc.Hydraulics, Water Resources, Coastal and Environmental Engineering, IIT Roorkee, Uttarakhand, India, Dec. 17-19, 2015.
 11. S. Mishra and R. M. Singh, "Non-point pollution modelling in river system with input reduction in time series data mining domain," in Proc. Hydraulics, Water Resources, Coastal and Environmental Engineering, IIT Roorkee, Uttarakhand, India, Dec. 17-19, 2015
 12. P. Srivastava and R. M. Singh, "Cropping Pattern Optimization in Irrigation Command under Uncertain Groundwater," in Proc. Hydraulics, Water Resources, Coastal and Environmental Engg. IIT Roorkee, Uttarakhand, India, Dec. 17-19, 2015
 13. A. Topno, A. K Singh and R. C Vaishya, "Land suitability analysis for plantation using spatial technology in vindhyanchal region", in Proc. International Conference on GeoEngineering and Climate Change Technologies for Sustainable Environmental Management, India, Oct 9-11, 2015.
 14. M. Yadav, A. Husain, A. K. Singh and B. Lohani "Pole-shaped object detection using mobile LiDAR data in rural road environments", in Proc.ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume II-3/W5, La Grande Motte, France, Sept. 28 –Oct. 03, 2015.
 15. V. Kumar, A. Rawat and A. Verma "Vibration analysis of the soil due to train movement" in Proc. Indian geotechnical conference, COI, Pune, India, Dec. 17-19, 2015.
 16. M. Somani and R. K. Srivastava, "Divisional landfill: an approach for integrated mswm for the state of uttar pradesh," in Proc. NCRIET – 2015 at College of Engineering, Roorkee, India, Nov. 7-8, 2015.
 17. S. Gupta, T. Z. Humsa, M. K. Panday and R. K. Srivastava, "Engineering behavior and risk assessment of sludge (carpet industry) contaminated alluvial soil," in Proc. Indian Geotechnical Conference COI, Pune, India Dec. 17-19, 2015.
 18. T. Z. Humsa, S. Gupta and R. K. Srivastava, "Effect of contamination from TIO, pigment producing industry on geotechnical properties of soil – a case study,"in Proc.Indian Geotechnical Conference COI, Pune, India, Dec. 17-19, 2015.
 19. A. Mishra, V. P. Singh and R. K. Srivastava, "Health risk based decision support system for selection of remediation option for inorganic contaminated soil" – a case study," in Proc. Indian Geotechnical Conference COI, Pune, India, Dec. 17-19, 2015.
 20. M. Jain, N. Chaudhary, V. P. Singh and R. K. Srivastava, "Effect of compactive effort on claypile material interface – a case study," in Proc. Indian Geotechnical Conference COI, Pune, India, Dec. 17-19, 2015.
 21. V. P. Singh and R. K. Srivastava, "Human health risk-based assessment and sustainable management of contaminated land: a review," in Proc. Indian Geotechnical Conference COI, Pune, India, Dec. 17-19, 2015.
 22. M. Jain, N. Chaudhary, V. P. Singh and R. K. Srivastava, "Effect of Compactive Effort on Clay-Pile Material Interface," in Proc. Indian

- Geotechnical Conference COI, Pune, India, Dec. 17-19, 2015.
23. Vishal, R. Dev and A. Rawat, "Experimental study for thermal behaviour of ferrocement web sandwich panel," in Proc. Global Conference on Renewable Energy, NIT Patna, Patna, India, March 16, 2016.
24. D. V. Singh, A. K. Sachan and A. Rawat, "Developments in corrosion detection techniques for reinforced concrete structures," in Proc. International Conference on Sustainable Energy and Built Environment, VIT University, Vellore, India, Mar 10-12, 2016.
25. S. Mishra and N. Rawal, "GIS –a promising tool for groundwater resources management on translational biotechnology," in Proc. International Conference BioSangam 2016, MNNIT, Allahabad, India, Feb. 4-6, 2016.
26. C. Nidhi and N. Rawal, "Selection of new disposal site for solid waste using rapid impact assessment matrix (RIAM) technique: a case study in Allahabad," in Proc. International conference on Geo Engineering and Climate change Technologies for Sustainable Urban Environment Management, MNNIT Allahabad, Allahabad, India, Oct 9-11, 2015.

Papers Presented at Conferences/ Workshops

1. H. K. Pandey, "Ground Water Stress in Ganga Flood Plain: Case study of Allahabad City (U.P.), Presented in Workshop on Groundwater Prospect of Palaeochannels, CGWB, Allahabad, Oct. 10, 2015.

Patents –NIL

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Shalinee Shukla	Energy Sources, Part B: Economics, Planning, and Policy, Taylor & Francis.
2.	Prof. Ram Pal Singh	ASCE Journal of Environmental Engineering Division
3.	Prof. Ram Pal Singh	ASCE Journal of Hazardous and toxic waste management
4.	Prof. Ram Pal Singh	Chemical Engineering Journal
5.	Dr. P. R. Pal	Journal of Ocean Engineering
6.	Dr. Rama Shanker	Journal of Intelligent Material Systems and Structures

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Dr. H. K. Pandey	Hydrogeology and Water shed	Participatory Approach of Groundwater Management in Padhori Watershed in Hamirpur District, U.P. : A case study	Excellent Publishers, New Delhi
2.	Prof. R. K. Srivastava Prof. R. C. Vaishya Dr. Kumar Venkatesh Dr. D. Basu Dr. V. P. Singh	Edited Proceedings of International Conference on GCCT-2015	Edited Proceedings of International Conference GCCT-2015	Discovery Publication
3.	M. Bandyopadhyay and V. Singh	Case Study of Fire Emergency Vehicles of Allahabad City	Analyzing and Modeling Spatial Factors for Pre-decided Route Selection Behavior	Springer
4.	M. Bandyopadhyay, and V. Singh	Published in Advances in Intelligent Systems and Computing	A GIS and Agent-Based Model to Simulate Fire Emergency Response	Springer
5.	Dr. Smit Gandhi and Prof. R. P. Singh	Studies on Hydraulic Jump in Prismatic and Non-Prismatic	Full Book	LAP Lambert Academic Publishing 2011,

		Channels		Paperback, 284 Seiten
6.	Prof. R. P. Singh & Mr. Manoj Tiwary	The Performance evaluation of reverse osmosis membrane	Book Chapter	Edited book by Springer Book Series (2016)

Conference/ Workshop/ Short Term Course Organized by Department

Sl. No.	Short Term Courses/ Seminars/ Conferences	Chair/Co-Chair/Coordinator	Month & Year
1.	Limit State Design of Steel Structures LSDSS-2015	Chairman: Prof. A. K. Singh Convener: Prof. A. K. Sachan Coordinator: Dr. S. K. Duggal	October 16 – 20 , 2015
2.	Numerical and Optimization Technique NOT-2015	Chairman: Prof. A. K. Singh Convener: Prof. S. K. Duggal Coordinators: Dr. K. Pallav Dr. R. M. Singh, Dr. Nekram Rawal	October 31 – November 04, 2015
3.	International Conference on Geo- Engineering and Climate Change Technologies for Sustainable Environmental Management (GCCT- 2015)	Chairman: Prof. A. K. Singh Conveners : Prof. R. C. Vaishya and Dr. K. Venkatesh Org. Secretaries: Dr. D. Basu and Dr. V. P. Singh	October 9– 11, 2015
4.	All India Seminar on “Innovative Building Materials and Technology for Sustainable Constructions [BMTSC- 2015]”	Chairman: Er. A. K. Gupta; Convener: Dr. L. K. Mishra	August 22-23, 2015
5.	One day workshop on “Solid Waste Management”		July 11, 2015.

Invited Lectures Delivered

- Dr. P. R. Pal delivered a lecture on “Concrete Mix Design” in a Four Week Self Financed Summer Training cum Internship Programme in Civil Engineering (STIPCE-2015) held in June 15 - July 12, 2015, CED, MNNIT, Allahabad.
- Dr. P. R. Pal delivered a lecture on “Non Destructive Testing” in a Four Week Self Financed Summer Training cum Internship Programme in Civil Engineering (STIPCE-2015) held in June 15 - July 12, 2015, CED, MNNIT, Allahabad.
- Dr. K. Venkatesh delivered a lecture in September 2015 at MNNIT Allahabad on “Finite Element Method during” STC on NOT-2015.
- Dr. K. Pallav delivered lecture on “Recent Advances in Numerical and Optimization Techniques” is scheduled to be conducted from March 01, 2016 to March 05, 2016 by Department of Civil Engineering, KNIT Sultanpur.
- Dr. K. Pallav delivered lecture on Seismic Hazard and Seismic Microzonation Studies at NIT Raipur, 10th Aug, 2015.
- Dr. R. Kumar delivered a lecture on Welded Connections in Short Term Course on “Limit State Design of Steel Structures (LSDSS-2015)” October 16-20, 2015 Department of Civil Engineering, MNNIT, Allahabad.
- Dr. R. Kumar delivered a lecture on Welded Connections in Short Term Course on “Limit State Design of Steel Structures (LSDSS-2015)” October 16-20, 2015 Department of Civil Engineering, MNNIT, Allahabad.
- Dr. R. Kumar delivered a lecture on Tension Members in Short Term Course on “Limit State Design of Steel Structures (LSDSS-2015)” October 16-20, 2015 Department of Civil Engineering, MNNIT, Allahabad.
- Dr. H. K. Pandey delivered a lecture on “Concept and Techniques of Rainwater Harvesting” on

- 18.11.2015 at NASI, Allahabad organized by the National Academy of Sciences, India.
- 30th Sept - 4th OCT, 2015, organized by Department of Civil Engineering, MNNIT, Allahabad (U.P.).
10. Dr. H. K. Pandey delivered a lecture on “Ground Water Issues and Options” on 21.12.2015 at Academic Staff College, BHU, Varanasi in Orientation Course on Environment.
12. Dr. A. K. Sachan delivered a lecturer on Load Combinations in Limit State Design of Steel Structures (LSDSS-2015) 17 Oct 2015 MNNIT.
11. Dr. N. R. Rawal delivered a lecturer on Optimization Techniques and Application in Solid Waste Management” In Short Tem Course on Numerical Optimization Technique (NOT-2015),
13. Dr. L. K. Mishra delivered a lecture on “Energy Efficient Constructions: A Review” in the all India seminar on “Innovative Building Materials and Technology for Sustainable Constructions [BMTSC-2015]” during August 22-23, 2015.

Coordinator/ Co-coordinator in Workshops/ Short-Term Courses/ Training Programme

Sl. No.	Seminar/ Conferences	Chair/ Co-chair/ Coordinator	Month & Year
1	Limit State Design of Steel Structures LSDSS-2015	Chairman: Prof. A. K. Singh Convener: Prof. A. K. Sachan Coordinator: Dr. S. K. Duggal	October 16 – 20 , 2015
2.	Numerical and Optimization Technique NOT-2015	Chairman: Prof. A. K. Singh Convener: Dr. S. K. Duggal Coordinators: Dr. Kumar Pallav Dr. R. M. Singh, Dr. Nekram Rawal	October 31 – November 04, 2015
3.	International Conference on Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management (GCCT-2015)	Chairman: Prof. A. K. Singh Conveners : Prof. R. C. Vaishya and Dr. K. Venkatesh Org. Secretaries: Dr. D. Basu and Dr. V.P.Singh	October 9– 11, 2015
4.	All India Seminar on “Innovative Building Materials and Technology for Sustainable Constructions [BMTSC-2015]”	Chairman: Er. A. K. Gupta; Convener: Dr. L. K. Mishra	August 22-23, 2015
5.	One day workshop on “Solid Waste Management”		July 11, 2015.

Conferences/ Workshops/ Short-Term Courses/ Training Programme Attended

1. Dr. H. K. Pandey attended Workshop on “Groundwater prospect of Palaeochannels” held on October 06, 2015 organised by CGWB at Allahabad.
2. Dr. H. K. Pandey attended Workshop on “Scope of rainwater harvesting and groundwater recharging”

held on March 29, 2016” at BHU organised by Department of Civil Engineering, IIT, Allahabad.

Invited Lectures Organized

Prof. P. V. Sivapullaiah, IISc. Bangalore delivered an invited lecture entitled “Stabilization of Expansive soils” on Oct. 13, 2015 at Department of Civil Engineering.

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator/ Co-investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Dr. Goutam Ghosh (P.I.)	Response of Curved Bridges with Isolation Bearings	SERB, DST, New Delhi	13,66,258/-	July 2013 Duration: 3 Years

2.	Dr. H. K. Pandey (P.I)	Hydrogeological Evaluation of fluoride contamination of ground water in District Sonbhadra (U.P)	MNNIT, Allahabad	2,31,160/-	August 2013 Duration: 3 Years (Completed)
3	Dr.H. K. Pandey (P.I)	Identification of Groundwater prospect and recharge zones in District Banda (U.P.)	DST, New Delhi	24,86,200/-	April 2014 (Ongoing)
4.	Dr. R. M. Singh (P.I.) and Dr. Varun Singh (Co-P.I.)	Groundwater System modeling under Climatic Changes and Uncertainty	DST, New Delhi	20,96,400/-	September 2014, Duration: 3 Years (Ongoing)
5.	Prof. Ram Pal Singh (P.I.)	Ambient Air Quality Monitoring at Three Stations in Allahabad city	UPPCB Lucknow	7,83,200/-	January 2012(Ongoing)
6.	Dr.O. Dikshit (P.I.) & Dr. A. K. Singh (Co-PI.)	Multisensor Approach for Landslide Monitoring	DST, New Delhi	36,18,000/-	April 2015, Duration: 3 Years (Ongoing)
7.	Dr. Rama Shanker Coordinator Prof. A. K. Sachan Co-coordinator	Developing Suitable Pedagogical Methods for Structural Health Monitoring	MHRD New Delhi	6,50,000/-	July 2014 (Ongoing)

10.4 DEPARTMENT OF CHEMICAL ENGINEERING

Vision

To educate undergraduate and graduate students by offering solid foundation in both theoretical and applied aspects of Chemical Engineering and to discover and disseminate knowledge through research. The Department is committed to achieving excellence in education and evaluates the success of its programs using the highest standards of quality & visibility with providing a friendly and supportive atmosphere.

Mission

Our goal is to provide strong fundamentals complemented by professional skills including communication to the students.

List of Laboratories

- (i) Chemical Reaction Engineering Laboratory
- (ii) Chemical Technology Laboratory
- (iii) Computer Aided Design Laboratory
- (iv) Environmental Engineering Laboratory
- (v) Fluid Particle Mechanics & Mechanical Operation Laboratory
- (vi) Mass Transfer Laboratory
- (vii) Process Dynamics & Control Laboratory

Courses Offered by the Department

- (i) B.Tech in Chemical Engineering
- (ii) M.Tech in Chemical Engineering
- (iii) Ph.D. in Chemical Engineering

Publication in Journals

1. S. B. Mishra, S. Sachan, S. N. Upadhyay and P. K. Mishra, "Synthesis, Characterization and performance evaluation of PV DF-SPES-ZrO₂ members," Desalination and Water Treatment, 2015.
2. S. Kumar, A. Kumari, S. Pandey and A. Gaur, "Role of reactive extraction in removal of phenol from wastewater," Emerging Trends in Chemical Engineering (STM Journals) vol. 3, no. 1, pp. 19-25, 2016.
3. T. Jain, S. Kumar and P. K. Dutta, "Dibutylchitin Nanoparticles as Novel Drug Carrier," International Journal of Biological Macromolecules (Elsevier) vol. 82, pp. 1011-1017, 2016.
4. M. K. Gupta, R. K. Srivastava, S. Kumar, S. Gupta and B. Nahak, "Mechanical and Water Absorption Properties of Hybrid Sisal/ Glass Fibre Reinforced Epoxy Composite," American Journal of Polymer Science & Engineering vol. 3, pp. 208-219, 2015.
5. D. Datta, H. Uslu and S. Kumar, "Adsorptive Separation of Cu²⁺ from an Aqueous Solution Using Trioctylamine Supported Montmorillonite,"

- Journal of Chemical & Engineering Data (American Chemical Society) vol. 60, no. 11, pp. 3193-3200, 2015.
6. H. Uslu, D. Datta and S. Kumar, "Investigation on the Reactive Extraction of Glyoxylic Acid by Amberlite-LA2 in Alcoholic Diluents," Separation Science and Technology (Taylor and Francis), vol. 50, no.17, pp. 2658-2667, 2015.
 7. D. Datta, S. Kumar, "Reactive Extraction of Picolinic Acid using Tri-n-Octylamine Dissolved in Different Diluents: Effect of Solvent Polarity," Journal of Chemical & Engineering Data (American Chemical Society), vol. 60, no.9, pp. 2709-2716, 2015.
 8. S. B. Gautam, S. Alam and S. Kamsonlian, "Adsorption of As (III) on iron Coated Quartz Sand: Influence of Temperature on the Equilibrium Isotherm, Thermodynamics and Isotheric Heat of Adsorption Analysis," International Journal of Chemical Reactor Engineering, vol.14, no.1, pp. 289 -298, 2016.
 9. M. Rani, S. Gahlyan, A. Gaur and S. Maken, "Ultrasonic study on molecular interactions in binary mixtures of formamide with 1-propanol or 2-propanol," Chinese Journal of Chemical Engineering, 2015.
 10. S. Kumar, A. Kumari, S. Pandey and A. Gaur, "Role of reactive extraction in removal of phenol from wastewater," Trends in Chemical Engineering, vol.3, no.1, pp. 22-28, 2016.
 11. A. Dixit, K. Atal, P. K. Mishra, M. S. Alam, Removal of Mercury (II) through Adsorption on Titania Nanofibers. Asian Journal of Chemistry vol. 28 no. 2, pp. 415, 2015.
 12. A. K. Chandra, K. Kishor, P. K. Mishra, M. S. Alam Numerical Simulation of Heat Transfer Enhancement in Periodic Converging-diverging Microchannel. Procedia engineering vol. 127, pp. 95-101, 2015.
 13. M. S. Alam, A. Dixit, K. Atal, P. K. Mishra, Removal of Mercury (II) through adsorption on Titaniananofibers. Asian Journal of Chemistry vol. 28, no.2, pp. 415-422, 2015.
 14. M. S. Alam, A. Dixit, P. K. Mishra Kinetics, Thermodynamics and Mass Transfer Studies on Application of TitaniaNanofibers for Heavy Metal Adsorption. International Journal for Research in Applied Science & Engineering 2015.
 15. A. K. Chandra, K. Kishor, P. K. Mishra, M. S. Alam, Numerical Investigations of Two-phase Flows through Enhanced Microchannels. Chemical and Biochemical Engineering Quarterly vol. 30, no. 2, pp. 149-159, 2016.
 16. A. Dixit, K. Atal, P. K. Mishra, M. S. Alam, Removal of Mercury (II) through adsorption on Titaniananofibers. Asian Journal of Chemistry vol. 28, no. 2, pp. 415-42, 2015.
 17. A. K. Chandra, K. Kishor, P. K. Mishra, M. S. Alam, Numerical Simulation of Heat Transfer Enhancement in Periodic Converging-diverging Microchannel. Procedia Engineering vol. 127, pp. 95-101, 2015.
 18. H. O. Maurya, M. K. Gupta, R. K. Srivastava and H. Singh. Study on Mechanical Properties of Epoxy Composites Using Short Sisal Fibre.2015.
 19. Attended short term course on "Genomics for Crop Improvement" at MNNIT Allahabad organized by Department of Biotechnology, MNNIT Allahabad from December 23-29, 2015.
 20. Attended short term course on "Modeling and Simulations at Nanoscale and Nanostructures (MSNN)" under GIAN scheme of Govt. of India, scheduled during March 7-11, 2016 in the Department of Applied Mechanics at Motilal Nehru National Institute of Technology Allahabad.
 21. H. Singh and R. Punia Characterization of Sodium hypochlorite Oxidized Legume Starch to Develop Potential Applications. Oral Presentation, Biosangam, MNNIT Allahabad.

Publication in Conference Proceedings

1. T. Jain, S. Kumar and P. K. Dutta, "5 Fu (Fluorouracil) loaded sulfatedchitin nanoparticles for drug delivery: Preparation, characterization & evaluation," 2015-AIChE Annual Meeting, Salt Lake City (UT) USA, Nov. 08-13, 2015.
2. T. Jain, S. Kumar and P. K. Dutta, "5-Fluorouracil loaded oxychitin nanoparticles for drug delivery," 4th Nanotoday Conference, Dubai, December 6-10, 2015.
3. A. N. Sawarkar, "Pyrolysis of bottom-of-the-barrel for the production of transportation fuels," 68th Annual session of Indian Chemical Congress

(CHEMCON-2015), Indian Institute of Technology, Guwahati, Dec. 27-30, 2015.

- R. U. Nikhare and A. Gaur, "Extraction and characterization of cellulose from various lignocellulosic biomasses," BioSangam, International Conference in transitional biotechnology, 2016.
- S. Sabbarwal and A. N. Sawarkar, Kinetics of pyrolysis of rice husk via the thermogravimetric analysis. International Conference on Translational Biotechnology (Biosangam 2016), Motilal Nehru National Institute of Technology, Allahabad, Feb.04-06, 2016.

Book Chapters

- P. N. Sheth, S. Gupta and S. Kumar, "Energy Integration in Process plants" in Sustainable utilization of natural resources, Mondal P., Dalai A. K. (eds.), CRC Press 2015.
- N. Sahai, T. Jain, S. Kumar and P. K. Dutta, "Development and selection of porous scaffolds using computer aided tissue engineering: An important tool for regenerative medicine" in New Springer book Series on "Polymer and Composite Material on Chitin & Chitosan for Regenerative Medicine Part-II: Focus on therapeutics, functionalization & computer aided techniques," ISBN number: ISBN 978-81-322-2510-2, Springer Pub, 2015.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Suantak Kamsonlian	Reviewed more than two manuscripts of the Journal Starch/ Starke published by Wiley (Data for 2015-16).

10.5 DEPARTMENT OF CHEMISTRY

Vision

To develop state of the art infrastructure for providing high-quality education and training in chemical sciences in tune with the contemporary global scenario.

Mission

To train and help engineering undergraduate students to acquire experimental and theoretical knowledge in the area of applied chemistry. To train Ph.D. students in chemical sciences to become independent, self-reliant researchers having good fundamental understanding of the subject to cater the needs of academics and industry

List of Ph. D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Satish Sonbarao Gudup	2010RCH55	Design and Synthesis of Chalcone and Aurone Alkaloid as Anti-TB Agents and Development of New Synthetic Methods	Dr. Tamal Ghosh and Dr. R. A. Vishwakarma, IITM Jammu
2.	Kamlesh Kumari	2010RCH51	Green Synthesis of Metal (Au, Ag & Cu) Nanoparticles for Organic Synthesis and Drug Delivery".	Dr. G. K. Mehrotra
3.	Monica Tiwari	2008RCY08	QSAR Based Prediction of Biologically Potent Anti-diabetic Compound.	Dr. N. D. Pandey & Dr. Prashant Singh
4.	Poushpi Dwivedi	2009RCY04	Green Synthesis and Characterization of Polymer Nanocomposites for Biomedical Applications via Phytosynthesis of Silver Nanoparticles.	Dr. S. S. Narvi and Dr. R. P. Tiwari (AMD)
5.	Priyanka Rai	2008RCY03	Removal of Organophosphorus Pesticides from Simulated Polluted Water Using Synthesized Iron Oxide Nano Particles	Dr. N. D. Pandey
6.	Deepanjali Pandey	2009RCY02	Synthesis and Characterization of Metal Organic	Dr. S. S. Narvi

7.	Vidya Singh	2010RCH54	Framework and Their Magnetic Studies. Modelling Granule Size and Performance Evaluation of UASB Reactor Treating Low Strength Wastewaters.	Dr. N. D. Pandey and Dr. R. P. Singh, CED
8.	Smita Venkatesh	2010RCH04	Degradation of Dyes Waste Water Through Combination of Ozonation and Anaerobic Biodegradation.	Dr. N. D. Pandey and Dr. A. R. Quaff, NIT Patna

Publication in International Journals

- A. Pandey, K. Gupta and A. Pandey, "Effect of nanosized TiO₂ on photo-fermentation by Rhodobactersphaeroides NMBL-02," *Biomass & Bio energy*, vol. 72, pp. 273-279, 2015 (IF= 3.394).
- Mohd. Danish, S. Ambreen, A. Chauhan and A. Pandey, "Optimization and comparative evaluation of optical and photo catalytic properties of TiO₂ thin films prepared via sol-gel method, *Journal of Saudi Chemical Society*, vol.19, no. 5, pp. 557-562, 2015 (IF= 2.523)
- A. Chouhan, P. Mayer and A. Pandey, "A comparative study of the morphologies and photo catalytic performances of Bis [5-(2-pyridyl)tetrazolato] diaquazinc (II) framework synthesized by hydrothermal and microwave methods," *Indian Journal of Chemistry*, vol. 54A, pp. 851-857, 2015 (IF= 0.851).
- A. Chouhan, P. Mayer and A. Pandey, "Synthesis, crystal structure, photoluminescence and photocatalytic property of a new three dimensional Zinc(II) tetrazole framework," *Journal of Chemical Sciences (Springer)*, vol.127, no. 9, pp. 1599-1606, 2015 (IF= 1.191).
- M. Danish and A. Pandey, "Influence of thickness and calcination under ammonia gas flow on topographical, optical and photocatalytic properties of Nb₂O₅ thin films prepared by sol-gel: A comparative study," *Journal of Materials Science: Materials in Electronics*, 2016 (IF= 1.486).
- D. Pandey, S. S. Narvi, G. K. Mehrotra and R. J. Butcher, "Hydrogen Bonded 3D Molecular Self Assembly Constructed from [(Ni(nicotinamide)₂(thiocyanate)₂(H₂O)₂] Complex showing Spin Canted Anti-ferromagnetic Character," *Chinese J. Struct. Chem.*, vol. 34, no. 5, pp. 777-785, 2015.
- N. Nigam, S. Kumar, P. K. Dutta, S. Pei and T. Ghosh, "Chitosan containing azo-based Schiff bases: Thermal, antibacterial and birefringence properties for bio-optical devices," *RSC Advances*, vol. 6, pp. 5575-5581, 2016 (IF= 3.840).
- Y. Singh and T. Ghosh, "Highly selective colorimetric and fluorometric che-mosensor for cyanide on silica gel and DMSO/H₂O (7:3 v/v) mixed solvent and its imaging in living cells," *Talanta*, vol. 148, pp. 257-263, 2016 (IF= 3.545).
- N. Nigam, S. Kumar, P. K. Dutta and T. Ghosh, "Studies on thermo-optic property of chitosan-alizarin yellow GG complex: a direction for devices for biomedical applications," *Bulletin of Materials Science*, vol. 38, pp. 1639-1643, 2015 (IF= 1.017).
- B. K. Singh, R. Sirohi, D. Archana, A. Jain, and P. K. Dutta, "Porous Chitosan Scaffolds: A Systematic Study for Choice of Crosslinker and Growth Factor Incorporation," *International J. Polymeric Materials & Polymeric Biomaterials*, vol. 64, pp. 242-252, 2015 (IF=3.568).
- A. S. Mehta, B. K. Singh, N. Singh, D. Archana, K. Snigdha, Robert Harniman, Sameer S. Rahatekar, R. P. Tewari and P. K. Dutta, "Chitosan silk based 3-D scaffolds containing gentamicin encapsulated calcium alginate beads for drug administration and blood compatibility," *J. Biomaterials Applications*, vol. 29, no.9, pp. 1314-1325, 2015 (IF= 2.197).
- D. Archana, B. K. Singh, J. Dutta and P. K. Dutta, "Chitosan-PVP-nano silver oxide wound dressing: In vitro and in vivo evaluation," *Int. J. Biological Macromol*, vol. 73, pp. 49-57, 2015 (IF= 2.858).
- T. Jain, S. Kumar and P. K. Dutta, "Dibutylchitin nanoparticles as novel drug carrier," *International Journal of Biological Macromolecules*, vol. 82, pp. 1011-1017, 2016 (IF= 2.858).
- S. Kumar, D. Vishwa, M. Kumari and P. K. Dutta, "Antibacterial activity of diisocyanate-modified chitosan for biomedical applications," *International Journal of Biological Macromolecules*, vol. 84, pp. 349-353, 2016 (IF= 2.858).

15. A. Kumar, A. P. Singh, S. Kumari, A. K. Srivastava, S. Bathula, S. K. Dhawan, P. K. Dutta and A. Dhar, "EM shielding effectiveness of Pd-CNT-Cu nano composite bucky paper," *J. Materials Chemistry A3*, pp. 13986-13993, 2015.
16. T. Jain, S. Kumar and P. K. Dutta, "Dibutylchitin nanoparticles as novel drug carrier," *International Journal of Biological Macromolecules*, vol. 82, pp. 1011-1017, 2016.
17. S. Kumar, D. Vishwa, M. Kumari and P. K. Dutta, "Antibacterial activity of disocyanate-modified chitosan for biomedical applications," *International Journal of Biological Macromolecules*, vol. 84, pp. 349-353, 2016.
18. P. K. Dutta, T. Ghosh, H. Kumar, T. Jain and Y. Singh, "Hydrothermal and solvothermal synthesis of carbon dots from chitosan-ethanol system," *Asian Chitin Journal* vol. 11, pp.1-4, 2015.
19. S. Kumar, M. Kumari, M. A. Mallick, B. S. Swain, A. J. F. N. Sobral and P. K. Dutta, "Preparation and characterization of micro porousbionano composites for biomedical applications," *Asian Chitin Journal*, vol. 11, pp. 23-26, 2015.
20. N. K. Vishwakarma, V. K. Patel, R. K. Gundampati, S. L. Mudavath, A. K. Mishra, K. Ramesh and P. K. Dutta, P. Maiti, P. P. Manna, N. Misra, M. V. Jagannadham, S. Sundar, and B. Ray, "Galactosylated chitosan for its enhanced and efficient antimicrobial and antileishmanial activities: A novel approach," *Asian Chitin Journal*, vol.11, no. 2, pp.1-4, 2015.
21. A. Singh, T. Jain, T. Ghosh and P. K. Dutta. Garlic derived carbon dots: Preparation," characterization and biological evaluation, *Asian Chitin Journal* vol. 11, no.2, pp. 7-10, 2015.
22. P. Bhartiya, H. Kumar, T. Ghosh and P. K. Dutta, "Onion derived carbon dots: Structural and biological evaluations (2015)," *Asian Chitin Journal* 11 no.2, pp.19-22, 2015.
23. T. Jain, S. Kumar and P. K. Dutta, "Theranostics: A way of modern medical diagnostics and the role of chitosan. (2015)," *Journal of Molecular and Genetic Medicine*, vol.9: pp. 1-5, 2015.
24. T. Jain, S. Kumar and P. K. Dutta, "Chitosan in the light of nanobiotechnology: A mini review (2015)," *Journal of Biomedical Technology and Research* 1 no.1 pp.101-107, 2015.
25. A. Chouhan and A. Pandey, "Metal Organic Framework [Cd₃(OH)₂Cl₂(4-PTZ)₂] for the decolorization of methylene blue dye from aqueous solution," *Discovery* 2015, 40, no.183, 144-150, 2015.
26. S. Rai and G. K. Mehrotra, "Lignin-chitosan polymer composites: A state-of-the-art short review," *Asian Chitin Journal*, vol. 11, no. 2, pp. 23-30, 2015.

Publication in National Journals -Nil

Publication in Conferences

1. A. Chouhan and A. Pandey, "Decolorization of methylene blue dye from aqueous solution by using Metal Organic Framework [Cd(4-PTZ)₂(H₂O)₂]," *International Conference on Translational Biotechnology (Biosangam 2016)*, MNNIT Allahabad, Feb. 4-6, 2016.
2. M. Danish and A. Pandey, "Photo catalytic degradation of methylene blue over Nb₂O₅ thin films prepared from tetraethoxo (beta-diketonato) niobium (v) complexes," *International Conference on Translational Biotechnology (Biosangam 2016)*, MNNIT Allahabad, Feb. 04-06, 2016.
3. S. Ambreen, N. D. Pandey and A. Pandey, "Comparative study of Rhodamine B degradation by TiO₂ nanoparticles synthesized from Titanium sec butoxide and its chloroacetatoderivatves," *International Conference on Translational Biotechnology (Biosangam 2016)*, MNNIT Allahabad, Feb. 04-06, 2016.
4. A. Chouhan and A. Pandey, "Metal Organic Framework [Cd₃(OH)₂Cl₂(4-PTZ)₂] for the decolorization of methylene blue dye from industrial waste water," *Geo-Engineering and Climate Change Technologies for Sustainable Environmental Management (GCCT-2015)*, MNNIT Allahabad, Oct. 9-11, 2015.
5. G. K. Mehrotra and S. K. Pandey, "A facile chemical route for synthesis of Graphene-MoSe₂ and related nanocomposites by solvothermal method," *7th International Conference on Recent Progress in Graphene & Two-Dimensional Materials Research [RPGR 2015]* Lorne, Victoria, Australia, Oct.25- 29, 2015.

Invited Lecture Delivered

1. P. K. Dutta delivered a lecture, Glimpses of nanomaterials preparations from conventional to modern techniques & its applications, in Proc. National Conference on Improved Plasma Technologies for Nanomaterials Processing and Applications, BIT Mesra of Campus Deoghar on Feb. 25-26, 2016.
2. P. K. Dutta delivered a lecture, Chitosan derived functional nanomaterial for biomedical applications, in Proc. International Conference on Energy, Functional Materials and Nanotechnology, Kumaun University, Nainital, p.58, on March 27-29, 2016.
3. A. Pandey delivered invited lecture on "Phosphorescent and magnetic (multi modal) nanocrystals for biomedical applications" in the International Conference on Translational Biotechnology (Biosangam 2016), MNNIT Allahabad, Feb. 04-06, 2016.
4. P. K. Dutta delivered a lecture: Most simple instrumental method for characterization of polymer samples, in National Workshop, Ewing Christian College, Allahabad, Feb., 22 – 28, 2016.

Patents

1. D. Archana, J. Dutta and P. K. Dutta, "A new wound care product," Indian Patent Application No. 1267/DEL/2015 of 7.5.2015 [make number].

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. A. Pandey	Journal of electronic materials (Springer).
2.	Dr. A. Pandey	DST project on Dye Sensitized Solar Cells
3.	Dr. G. K. Mehrotra	Journal of Molecular Structure (Elsevier), and SpectrochimicaActa Part A (Elsevier).Inorganica Chimica Acta
4.	Prof. P. K. Dutta	Journal of Polymer Materials, RSC Advances, Journal of Materials Chemistry A & B, Biomacromolecules, IET-Nano Biotechnology, J. Chitin & Chitosan Science, apsusc: Applied Surface Science btre: Biotechnology Reports car: Carbohydrate Research carbpol: Carbohydrate Polymers colsub: Colloids and Surfaces B: Biointerfaces food: International Journal of Food Microbiology foodchem: Food Chemistry foodhyd: Food Hydrocolloids fpsl: Food Packaging and Shelf Life hazmat: Journal of Hazardous Materials ifset: Innovative Food Science and Emerging Technologies ijbiomac: International Journal of Biological Macromolecules ijp: International Journal of Pharmaceutics jfoodeng: Journal of Food Engineering molstruc: Journal of Molecular Structure supflu: The Journal of Supercritical Fluids Journal of Agricultural and Food Chemistry Soft Materials Soft Matter Current Topics in Medicinal Chemistry, etc.

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	V. K. Visvakarma, K. Kumari, R. Patel, P. Singh, G. K. Mehrotra and R. Chandra	“Biomedical Applications of Natural Proteins-An Emerging Era in Biomedical Sciences” Editors: D. Kumar, R. Kundapur, (Eds.) Springer-(Springer Briefs in Biochemistry and Molecular Biology) 2015.	Chapter 10, pp. 129-148(DOI : 10.1007/ 878-81-322-2491-4); ISBN 978-81-322-2490-7; ISBN(eBook) 978-81-322-2490-4 Topic: Gelatin Nanocomposites (GNCs):	An Efficient Drug Delivery System
2.	P. K. Dutta, Editor	Chitin and Chitosan for Regenerative Medicine, Springer, New Delhi, 2016, Springer Series on	Polymer and Composite Materials, ISBN 978-81-322-2510-2, Springer,	DOI 10.1007/978-81-322-2511-9-11.3.
3.	T. Jain, H. Kumar and P. K. Dutta	“Chapter11: D-Glucosamine and N-acetyl D-glucosamine: Their potential use as Regenerative Medicine,”	Chitin & Chitosan for Regenerative Medicine, (P. K. Dutta, Editor), Springer, New Delhi, 2016, p.279-296. Springer Series on Polymer and Composite Materials,	ISBN 978-81-322-2510-2, Springer, DOI 10.1007/978-81-322-2511-9_11.3.
4.	H. Kumar and P. K. Dutta,	“Chapter 12: Functionalized chitosan: A quantum dot-based approach for regenerative medicine,”	Chitin & Chitosan for Regenerative Medicine, (P. K. Dutta, Editor), Springer, New Delhi, 2016, p.297-350. Springer Series on Polymer and Composite Materials,	ISBN 978-81-322-2510-2, Springer, DOI 10.1007/ 978-81-322-2511-9_11.
5.	N. Sahai, T. Jain, S. Kumar and P. K. Dutta,	“Chapter13: Development and selection of porous scaffolds using computer aided tissue Engineering: An important tool for regenerative medicine”,	Chitin & Chitosan for Regenerative Medicine, (P. K. Dutta, Editor), Springer, New Delhi, 2016, p.351-388. Springer Series on Polymer and Composite Materials	ISBN 978-81-322-2510-2, Springer, DOI :10.1007/ 978-81-322-2511-9_13.
6.	B. K. Singh and P. K. Dutta, Chapter: Chitin, Chitosan, and Silk Fibroin	Electrospun Nanofibrous Scaffolds: A Prospective Approach for Regenerative Medicine	Chitin & Chitosan for Regenerative Medicine, (P. K. Dutta, Editor), Springer, New Delhi, 2016, p.151-189. Springer Series on Polymer and Composite Materials,	ISBN 978-81-322-2510-2, Springer, DOI: 10.1007/ 978-81-322-2511-9_13.
7.	D. Archana, P. K. Dutta and	Chapter: Chitosan: A Potential Therapeutic	Chitin & Chitosan for Regenerative Medicine,	ISBN 978-81-322-2510-2, Springer,

J. Dutta, Dressing Material for Wound Healing, (P. K. Dutta, Editor), Springer, New Delhi, 2016, p.193-227. DOI: 10.1007/978-81-322-2511-9_13. Springer Series on Polymer and Composite Materials

8. M. Kashyap, D. Archana, A. Semwal, J. Dutta and P. K. Dutta Chapter: Chitosan: A Promising Substrate for Regenerative Medicine in Drug Formulation (P. K. Dutta, Editor), Springer, New Delhi, 2016, p.261-277. ISBN 978-81-322-2510-2, DOI: 10.1007/978-81-322-2511-9_13. Springer Series on Polymer and Composite Materials

Conferences/ Workshop/ Short Term Course Organized by department

1. S. Kumar (ChED) & P. K. Dutta acted as Conveners in National Workshop: Research on Biopolymers: Challenges & Opportunities during June 05-06, 2015.

2. P. K. Dutta & T. Ghosh acted as Coordinators in National Workshop on Water Research: Some considerations during Dec. 18-20, 2015.

Workshops/ Short-Term Courses/ Training Programme Attended

1. A. Pandey attended the training program on photovoltaic devices at Fraunhofer Institute Alzenau Germany during Oct. 19-23, 2015.

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration(Status)
1.	Dr. A. Pandey (Co-P.I.)	“Integratedbiohydrogen production from renewable biomass and biological wastes using microbial strains”	DBT	49,00,000/-	On going
2.	P. K. Dutta & P. Ghosh	Chitosan derivatives containing azo based Schiff bases: Synthesis, characterization, spectroscopic and antimicrobial studies	CSIR	20,00,000/-	On going

Other Information

1. A. Pandey was invited to be member of BOS/RDc of UPTU Lucknow.
2. A. Pandey chaired a session on oral presentations on Nano biotechnology in Bio Sangam 2016 on 5th Feb. 2016.
3. A. Pandey visited and discussed collaborative research at Institute of Sustainability and Innovation, Victoria University, Australia, during 20th May-5th June 2015.

4. P. K. Dutta supervised 5 summer training projects to the students of Ranchi Central University, IISER, Kolkata, ECC, Allahabad.

10.6 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Vision

To establish a unique identity for the institute amongst national and international academic and research organizations through knowledge creation, acquisition and dissemination for the benefit of society and humanity.

Mission

To generate high quality human and knowledge resources in our core areas of competence and emerging areas to make valuable contribution in technology for social and economic development of the nation. Focussed efforts to be undertaken for identification, monitoring and control of objective attributes of quality and for continuous enhancement of academic processes, infrastructure and ambience.

To efficaciously enhance and expand, even beyond national boundaries, its contribution to the betterment of technical education and offer international programmes of teaching, consultancy and research.

List of Laboratories

- (i) Computing Laboratory
- (ii) Database/ Data Mining Laboratory
- (iii) SOA/ Distributed Computing Laboratory
- (iv) Embedded System/ Real Time System Laboratory
- (v) Computer Architecture/ Microprocessor

Laboratory

- (vi) Computer Network/ Wireless Network Laboratory
- (vii) Image Processing/ Computer Vision Laboratory
- (viii) Software Testing Laboratory
- (ix) Verification & Validation Laboratory

Courses Run by Department

- (i) B.Tech in Computer Science & Engineering, Information Technology
- (ii) Master of Computer Application
- (iii) M.Tech in Computer Science & Engineering, Software Engineering, Information Security
- (iv) Ph.D.

Courses in which students were admitted

- (i) B.Tech in Computer Science & Engineering, Information Technology
- (ii) Master of Computer Application
- (iii) M.Tech in Computer Science & Engineering, Software Engineering, Information Security
- (iv) Ph.D.

List of Ph.D Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1.	Pushpa Kesarwani	2011RCS02	Automatic Face and Facial Expression Recognition System: A New Approach Based on Mean Distance Parameter	Dr. A. K. Misra
2.	Ravi Shankar Shukla	2008RCS09	Modified Routing Algorithm and Handover Scheme for VANET.	Dr. Neeraj Tyagi
3.	Divya Kashyap	2009RCS04	Software Effort Estimation: Evolutionary Algorithm Based Approach for Estimation at Early Stages of Software Development.	Dr. A. K. Misra
4.	Arun Kumar Singh	2010RCS52	Cryptanalysis and Design & Development of Cryptographic Algorithms for Information Security.	Dr. A. K. Misra
5.	Mohit Gangwar	2009RCS58	Intelligent computing methods in the Diagnosis of Neuropsychiatric Diseases.	Prof. R. S. Yadav and Prof. Ravi Bhushan Mishra, IIT (BHU)
6.	Arvind Kumar Upadhyay	2009RCS08	Regression Testing: A New Approach Using Clustering and Association Rule in Test Suit Prioritization and Reduction.	Dr. A. K. Misra
7.	Ashish Tripathi	2012RCS01	Nature Inspired Optimization Algorithms: A New Perspective Based on Evolution in Dynamic Environment	Dr. K. K. Mishra
8.	Anand Prakash Shukla	2009RCS09	Design and Analysis of Cellular Automata Based Algorithms for some	Prof. Suneeta Agarwal

9.	Neelam Bhardwaj	2010RCS04	Image Processing Tasks. A New Imaging Approach for Automatic Thresholding of Photo Defects.	Dr. Suneeta Agarwal
10.	Shivani Mishra	2009RCS02	Modeling and Analysis of complex cyber attacks.	Prof. Krishna Kant and Prof. R. S. Yadav
11.	Anil Kumar Yadav	2008RCS14	Efficient connected dominating set construction for wireless Ad-hoc Networks.	Prof. R. S. Yadav

List of M. Tech Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1	Mandheer Singh	2013CS01	A Personalized Context Aware Recommender System Based on User-Item Preferences	Dr. Pragya Dwivedi
2	Prem Nisha	2013CS02	Active Cluster Head Data Aggregation in Wireless Sensor Networks	Prof. R. S. Yadav
3	Misha Hungyo	2013CS03	An Implementation of Topic based Publish Subscribe Paradigm Using SDN	Dr. Mayank Pandey
4	Pragya Solanki	2013CS04	Extension of Swarm Based MVMD Algorithm for Solving Multiobjective Optimization Problems	Prof. A. K. Mishra
5	Prasenjit Maity	2013CS05	Detection of Distributed Denial of Service Attack in SDN Controller	Dr. Shashank Sriastava
6	Ragini Vishwakarma	2013CS07	An Efficient Approach for Vertical Handover Between UMTS and Wi-Fi	Prof. Neeraj Tyagi
7	Prachi Singh	2013CS09	DCT-Based Static Video Summarization	Prof. Suneeta Agarwal
8	Apoorva Dobhal	2013CS10	Real Time Energy Aware Parallel Task Scheduling in a Cluster	Dr. Ranvijay
9	Shalini Jaiswal	2013CS11	Energy Aware Real Time Scheduling for Multi core Platforms	Dr. Ranvijay
10	Ankur Gupta	2013CS12	Object Recognition and Tracking in Real World Scenario	Mr. Dushyant Kr. Singh
11	Sunil Kr. Singh	2013CS14	Artificial Bee Colony Based Optimization of Trusses and Space Structure under Constraints	Mr. Divya Kumar
12	Nisha Pal	2013CS16	Multiple Object Detection and Motion Tracking in Surveillance System	Prof. Suneeta Agarwal
13	Ashish Kr. Srivastava	2013CS20	A Modified Approach for Path Selection in SDN Networks	Prof. R. S. Yadav
14	Jay Ram Singh	2013CS22	Certificate Revocation Protocol in VANETs	Mr. Dinesh Singh
15	Kalva Nithish Reddy	2013CS23	Load Balancing across Controllers in Software Defined Networking	Er. D. K. Yadav
16	Raj Kumar Saroj	2013IS01	Utilisation of Volunteer Resources for Providing Computation-as-a-Service	Miss Shashwati Benerjea
17	Raj Kumar Sesma	2013IS02	Graph Data Processing using Pregel	Dr. A. K. Singh

18	Ravi Kant Singh	2013IS03	Enhancement in Security Techniques using Images Steganography	Er. D. K. Yadav
19	Amit Kumar	2013IS04	Improved Method for Vehicle Detection, Tracking and Number Plate Recognition	Er. Manoj Wairya
20	Megha Kapoor	2013IS06	Formal Concept Analysis Based Design of an Efficient Feature Selector for Huge Datasets	Prof. A. K. Mishra
21	Jay Vikrant Singh	2013IS07	Quantum Cryptography and Quantum Cryptanalysis	Er. Rajesh Tripathi
22	Anuraj Kumar	2013IS08	Use Case Based Approach to Analyze Software Change Impact	Dr. D. S. Kushwaha
23	Saurabh Digavadekar	2013IS12	Topic Modelling and Sentiment Analysis on Twitter Stream Data	Dr. A. K. Singh
24	Sachin Tiwari	2013IS13	Improving Bandwidth Utilization in Software Defined Networks	Prof. M. M. Gore
25	Tej Pratap Singh	2013IS15	Improved LEACH Algorithm for Energy Efficient Routing	Mrs. Santi Behra & Dr. Ranvijay
26	Lokendra Pal	2013IS16	A Collaborative Fettering Framework for Group Recommender System Using Trust & Reputation	Dr. Pragya Dwivedi
27	Himanshu Sahu	2013IS18	Traffic Engineering Solutions for Data Center Network using Flood Light Controller	Prof. Neeraj Tyagi
28	Santosh Kumar	2013IS19	Network Management in Software Defined Network	Dr. Shashank Srivastava
29	Sarvesh Chandra Shukla	2013IS20	Utilisation of Volunteer Resources for Providing Infrastructure-as-a-Service	Miss Shashwati Banergea
30	Abhishek Gaur	2013IS21	An Abandoned Object Detection System & Motion Analysis as Owner Detection	Er. Manoj Wariya
31	Hemant Bisht	2013IS23	Improved Particle Swarm Optimization algorithm	Dr. K. K. Mishra
32	Pushpendra Singh	2013SW01	Review Spam Detection Using Linguistic Features	Er. Rupesh Kr. Dewang
33	Sandeep Kr. Rao	2013SW02	Improved Continued Fraction Algorithm for Generalized Packing Problem	Er. Divya Kumar
34	Anshutosh Kumar	2013SW02	Improved Differential Evolution Algorithm	Dr. K. K. Mishra
35	Guguloth Narendhar	2013SW08	Automatic Bone Segmentation from EROI Image using Clustering Method	Mrs. Rajitha B.
36	Amar Singh	2013SW11	Design & Implementation of a Controller Based SDN Troubleshooting Tool	Prof. R. S. Yadav
37	Gaurav Bansal	2013SW14	Prioritization of Test Cases Based on Faulty Coverage Using Historical Test Case Data	Dr. D. S. Kushwaha

38	Rahul Kr. Soni	2013SW15	Performance Evaluation of TCP variants over Proactive & Reactive Routing Protocols in Mobile Ad-hoc Network	Dr. Mayank Pandey
39	Alok Kumar	2013SW16	A Novel Approach for Misbehavior Detection in VANET	Mr. Dinesh Singh
40	Aasit Sahu	2013SW17	A Novel Approach to Emotion Recognition	Mr. D. K. Singh
41	Vinay Kr. Verma	2013SW18	Optimization of Incompletely Specified Finite State Machine Using Evolutionary Algorithm	Er. Divya Kumar
42	Ramphal Maurya	2013SW19	Variant of Artificial Bee Colony Algorithm for solving Optimization Problems	Dr. K. K. Mishra
43	Sanjay Kr. Prasad	2013SW20	Review Spammer Detection Using Rating Features	Er. R. K. Dwwang
44	Santosh Prasad	2013SW22	Method of Test Case Prioritization for Regression Testing	Mr. Rajesh Tripathi
45	Mohd. Tarique Farooquee	2013SW23	SLA-Based Energy Aware VM Allocation Policy in Cloud Computing System	Er. Manoj Wariya
46	Akshat Rathaur	2013SW24	Hadoop: Join Operation using Map Reduce	Mr. Rajesh Tripathi
47	Simple	2013SW25	Improved Energy Efficient Real Time Scheduling for Non-Preemptive Uniprocessor System	Dr. Ranvijay
48	Dipika Agarwal	2010PTSW01	Histogram Equalization for Contrast Enhancement of Both Overexposed and Underexposed Images	Prof. Suneeta Agarwal
49	Monika Srivastava	2012PTSW01	Edge Preserved De-Noising Method for Medical X-Ray Images Using Wavelet Packet Transformation	Mrs Rajitha B.
50	Ashish Kr. Mishra	2012PTSW02	Validation of UML Design Models	Er. D. K. Yadav
51	Dharmendra Kr. Singh	2012PTSW04	Improve in the Quality of Image Using Metaheuristic Algorithm	Dr. K. K. Mishra
52	Anjana Tiwari	2012PTSW05	A New Local Homogeneity Analysis Method based on Pixel Intensities for Image Defect Detection	Er. Rajitha B.
53	Manish Jaishwal	2012PTSW10	Enhanced Multi-Criteria Recommender System based on AHP Approach	Dr. Pragya Dwivedi
54	Manoj Kr. Pal	2012PTSW11	Metaheuristic Based Optimized Folding of Polypeptides	Er. Divya Kumar
55	Gyanendra Mishra	2012PTSW12	Secure Data Dissemination and Routing Scheme for VANETs	Er. Rajesh Tripathi
56	Sanjeev Kumar	2012PTSW13	Efficient Read Alignment Using Burrows Wheeler Transform and Wavelet Tree	Prof. Suneeta Agarwal
57	Ram Manohar Nath Tripathi	2012PTSW17	Design & Implementation of Peer to Peer Volunteer Cloud System	Miss Shashwati Banerjea
58	Abhishek Kumar	2012PTSW18	Content Analysis of Different Types of Documents using Map Reduce	Dr. A. K. Singh

59	Ajay Kr. Yadav	2012PTSW20	Improving Security in VANET through the Position Verification of Alert Message	Er. Dinesh Singh
60	Sarvesh Kumar Swarnakar	2012PTSW21	An Integrated Approach to Design an EAF for the CCS of ICDS in INDIA	Er. Rajesh Tripathi
61	Rajeev Dixit	2012PTSW22	Diagnostic of Lung Diseases using Data Mining Techniques	Prof. M. M. Gore
62	Rahul Mishra	2012PTSW23	Coverage Hole Detection in Wireless Sensor Network Using Probabilistic Sensing Model	Mrs. Santi Behra & Er. Divya Kumar

Publication in International Journals

1. S. S. Chauhan and M. M. Gore, "Balancing Energy Consumption Across Network for Maximizing Lifetime in Cluster-based Wireless Sensor Network," in the CSI Transactions on ICT, vol. 3, no. 2, pp. 83-90, 2015.
2. M. Kumar, D. K. Yadav, A. Singh and V. K. Gupta, "A Movie Recommender System: MOVREC," in International Journal of computer Application vol. 124, no. 3, pp. 7-11, 2015.
3. S. S. Bose and A. K. Singh, "Use of proactive and reactive hotspot detection technique to reduce the number of virtual machine migration and energy consumption in cloud data center," Computers & Electrical Engineering vol. 47, pp. 241-254, 2015.
4. N. Bhardwaj and S. Agarwal, "Article: An imaging approach for automatic thresholding of photo defects," Pattern Recognition Letters, Elsevier, vol. 60-61, pp. 32-40, 2015.
5. N. Bhardwaj and S. Agarwal, "Review of image defect detection and inpainting techniques and scope for improvements," International Journal of Emerging Sciences, vol. 5, no. 1, pp. 49-65, 2015.
6. Rajitha B., M. S. Pandey and S. Agarwal, "Computer assisted automated detection of knee osteoarthritis using x-ray images," International Journal of Regulation and Governance, vol. 1, no. 2, pp. 74-79, 2015.
7. P. Singh and S. Agarwal, "An efficient fragile watermarking scheme with multilevel tamper detection and recovery based on dynamic domain selection," Multimedia Tools and Applications, vol. 75, no. 14, pp. 8165-8194, 2015.
8. P. Singh and S. Agarwal, "A robust blind watermarking scheme for ownership assertion of multiband satellite images," The International Arab Journal of Information Technology, 2015.
9. A. Biswas, B. Biswas, A. Kumar and K. K. Mishra, "Particle Swarm Optimization with Time Varying Cognitive Avoidance Component," International Journal of Computational Science and Engineering, 2016.
10. P. Bhatia, K. K. Mishra, D. Kumar and A. Kumar, "An Improved-Time Varying Acceleration Coefficient Based PSO," Journal of Multiple-Valued Logic & Soft Computing, vol. 26, 2016.
11. P. Bhatia, K. K. Mishra and A. K. Misra, "An Approach to Software Cost Estimation by Improved- Time Variant Acceleration Coefficient based PSO," Journal of Multiple-Valued Logic and Soft Computing, vol. 27, no. 1, pp. 63-74, 2016.
12. K. K. Mishra, V. Sharma, S. Tiwari and A. K. Misra, "Auto Adjustive Differential Evolution Algorithm," Journal of Multiple-Valued Logic and Soft Computing, 2016.
13. A. Tripathi, N. Saxena, K. K. Mishra, and A. K. Misra, "A Nature Inspired Hybrid Optimization Algorithm for Dynamic Environment with Real Parameter Encoding," International Journal of Bio-Inspired Computation, 2016.
14. A. Tripathi, N. Saxena, K. K. Mishra and A. K. Misra, "An Environmental Adaption Method with real parameter encoding for dynamic environment," Journal of Intelligent & Fuzzy Systems, vol. 29, no. 5, pp. 2003-2015, 2015.
15. P. Bhatia, K. K. Mishra, D. Kumar and A. Kumar, "An Improved-Time Varying Acceleration Coefficient Based PSO," Journal of Multiple-Valued Logic & Soft Computing, vol. 26, no. 3-5, pp. 189-204, 2016.

Publication in National Journals

1. A. K. Mishra and D. K. Yadav, "Validation of UML Design Model," In Journal of Software (JSW, ISSN 1796-217X), vol. 10, no.12, pp.1359, 2015
2. N. Saxena, A. Tripathi, K. K. Mishra, and A. K. Misra, "Dynamic-PSO: An improved particle swarm optimizer," Evolutionary Computation (CEC), 2015 IEEE Congress on. IEEE, pp. 212–219, 2015.

Publication in Conferences

1. A. K. Mishra and D. K. Yadav, "Towards Validation of UML Rules," International Conference of Computing Paradigms (ICCP-2015), Yelagiri Hills, India, July 24-25, 2015.
2. Y. K. Singh, R. P. Singh, A. K. Singh and D. K. Yadav, "Using GIS and Remote Sensing Technique for Zoning of Wastewater Drainage of Allahabad City," International Journal of Advanced Remote Sensing & GIS (IJARSG), vol. 4, no.1, 2015.
3. D. K. Singh and D. S. Kushwaha, "Tracking Movements of Humans in a Real-Time Surveillance Scene," proc. 5th International Conference SocProS 2015, Springer AISC, vol. 437, pp. 491-500, 2015.
4. T. Kumar, R. K. Sachan and D. S. Kushwaha, "Smart City Traffic Surveillance System for India Scenario," proc. International Conference on Recent Advances in Mathematics, Statistics and Computer Science (ICRAMSCS) 2015.
5. D. Kumar and K. K. Mishra, "The Impacts of Test Automation on Software's Cost, Quality and Time to Market," proc. International Conference on Communication, Computing and Virtualization (ICCCV) 2016, Procedia Computer Science, vol. 79, pp. 8-15, 2016.
6. S. Agrawal, R. S. Raw, N. Tyagi and A. K. Misra, "Fuzzy Logic based Greedy Routing (FLGR) in Multi-Hop Vehicular Ad hoc Networks," Indian Journal of Science and Technology, vol. 8, no. 30, Nov. 2015.
7. S. Agrawal, N. Tyagi and A. K. Misra, "Seamless VANET Connectivity through Heterogeneous Wireless Network on Rural Highways," ICTCS 2016, Udaipur, India, ACM, March 04-05, 2016.
8. J. Lal and N. Tyagi, "Performance Analysis of Quality of Service for Different Service Classes in WiMAX Network," ICRAMSCS-2015, Patna, Bihar, India, May 29-31, 2015.

9. R. Bakthula and S. Agarwal, "An iterative thresholding method for epiphysis roi segmentation for radiographic images," ACM Proceedings of the 2015 International Conference on Advanced Research in Computer Science Engineering Technology, ICARCSET 2015, May 2015.
10. S. Kumar and S. Agarwal "Efficient read alignment using burrows wheeler transform and wavelet tree," IEEE International Conference on Advances in Computing Communication Engineering, ICACCE-2015, May 01-02, 2015.
11. N. Pal and S. Agarwal, "Detection and tracking of moving objects in surveillance system," International Conference on Innovation Techniques in Engineering and Management, ICITEM-2015, May 2015.
12. A. Tiwari, R. Bakthula and S. Agarwal, "Image segmentation and de-fect detection techniques using homogeneity," Inbush Era 2015 International Conference on Futuristic Trends in Computation Analysis and Knowledge Management, April, 2015.
13. M. Srivastava, R. Bakthula and S. Agarwal, "Edge preserved de-noising method for medical x-ray images using wavelet packets transformation," In Springer: Third International Conference on \Emerging Research in Computing, Information, Communication and Applications, ERCICA 2015, July 2015.
14. M. Srivastava, R. Bakthula and S. Agarwal, "Noise reduction methods in radiographic images for medical diagnosis," Inbush Era 2015 International Conference on Futuristic Trends in Computation Analysis and Knowledge Management, April 2015.
15. S. Agarwal, R. Bakthula and A. Tiwari, "A new local homogeneity analysis method based on pixel intensities for image defect detection," 2015 IEEE 2nd International Conference on Recent Trends in Information Systems, ICITEM-2015, July 2015.
16. P. Singh and S. Agarwal, "Detection and tracking of moving objects in surveillance system," International Conference on Innovation Techniques in Engineering and Management, ICITEM-2015, May 2015.
17. N. Gupta, A. P. Shukla and S. Agarwal, "Evaluation of Performance of Various Filters in Despeckling of Medical Ultrasound Images," 1st International

- Conference on "Next Generation Computing Technologies" (NGCT-2015), pp. 121, Sept. 2015.
18. A. P. Shukla and S. Agarwal, "Cellular Automata and Image Pyramid Decomposition based Scheme for Image Segmentation" 11th Annual International Conference on Computer Science and Education in Computer Science (CSECS 2015), Boston, MA, USA, June 04–07, 2015.
 19. D. K. Singh, "Recognizing Hand Gestures for Human Computer Interaction," ICCSP-2015IEEE, Melmaruvathur, TM, India, April 2015.
 20. T. Mithal, K. Shah and D. K. Singh, "Case Studies on Intelligent approaches for Static Malware Analysis," ERCICA-2015 at Springer, NMIT Bangalore, India, July 31– Aug 01, 2015.
 21. K. Shah and D. K. Singh, "A Survey on Data Mining approaches for Dynamic Analysis of Malwares," ICGIoT-2015 at IEEE, GCET Gr. Noida (India), Oct. 8-10, 2015.
 22. D. K. Singh and D. S. Kushwaha "Tracking movements of Human Being in a Real-Time Surveillance Scene," SocProS2015, IIT Roorkee, Saharanpur Campus (INDIA), Dec.18-20, 2015.
 23. S. Banerjee, M. Pandey and M. M. Gore, "Towards Peer-to-Peer Solution for Utilization of Volunteer Resources to Provide Computation-as-a-Service," 30th IEEE International Conference on Advanced Information Networking and Applications (AINA), Crans-Montana, Switzerland, pp.1146-1153, March 23-25, 2016.
 24. D. Kumar and K. K. Mishra, "Incorporating logic in Artificial Bee Colony (ABC) algorithm to solve first order logic problems: The logical ABC," 7th IEEE International Conference on Knowledge and Smart Technology (KST), pp. 65–70, 2015.
 25. M. Kumar, D. K. Yadav and V. K. Gupta, "Frequent Term Based Text Document Clustering: New Approach," International Conference on Soft Computing Techniques & Implementations (ICSCIT-2015), Faridabad, India, Oct. 8-10, 2015 .

Patents : Nil

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	D. K. Singh/ Dr. D. S. Kushwaha	Tracking movements of Human Being in a Real-Time Surveillance Scene	Vol 437, Dec 2015	Springer AISC series

Conference/ Workshop/ Short Term Course

Sl. No.	Seminar/ Conferences	Chair/ Co-chair/ Coordinator	Month & Year
1.	NMEICT workshop on "Introduction to Design of Algorithms	Dr. G. P. Sahu/ Er. Divya Kumar	May 25 to May 30, 2015
2.	Emerging Trends in Computer Science-2015 (ETCS-2015)	Dr. D. S. Kushwaha	from June 8, 2015 to July 5, 2015
3.	Workshop on Information and Cyber security ("SURAKSHA-2015")	Dr. A. K. Singh	August 19-23, 2015
4.	6th International Conference on Computer and Communication Technology (ICCCT)	Prof. A. K. Mishra as General Chair	September 25-27, 2015
5.	One Week Workshop on "Information Security : Research Issues and Challenges"	Convener : Dr. Anil Kumar Singh Chairman : Dr. R. S. Yadav	March 17-21, 2016

Invited Lectures Delivered

1. D. K. Singh, Expert lectures on "Embedded System Design" at MNNIT Allahabad for Summer Training Program ETCS-2015 during June-July 2015.
2. D. K. Singh, Expert Lecture on "Hardware Security" in a workshop SRAKSHA-2015, at MNNIT Allahabad, during 19-23 August 2015.

3. D. K. Singh, Expert Lecture on “Image Processing: An Introduction” in a workshop SIMDOC-2015 at MNNIT Allahabad, during 14-18 December 2015.
4. D. K. Singh, Expert Lecture on “Information Security” in a workshop SRAKSHA-2016 [under ISEA project], at MNNIT Allahabad, during 17-21 March 2016.

Coordinator/ Co-coordinator in Workshops/ Short-Term Courses/ Training Programme

Sl. No.	Chair/ Co-chair/ Coordinator	Seminar/ Conferences	Month & Year
1.	Dr. G. P.Sahu Er. Divya Kumar	NMEICT workshop on "Introduction to Design of Algorithms	May 25 to May 30, 2015
2.	Dr. D. S. Kushwaha	Emerging Trends in Computer Science- 2015 (ETCS-2015)	from June 8, 2015 to July 5, 2015
3.	Dr. A. K. Singh	Workshop on Information and Cyber security (“SURAKSHA-2015”)	August 19-23, 2015
4.	Prof. A. K. Mishra as General Chair	6th International Conference on Computer and Communication Technology (ICCCT)	September 25-27, 2015
5.	Convener : Dr. A. K. Singh Chairman : Dr. R. S. Yadav	One Week Workshop on “Information Security : Research Issues and Challenges”	March 17-21, 2016

Conferences/ Workshops/ Short-Term Courses/ Training Programme Attended

1. Dr. D. K. Yadav attended ICSTE 2015, 7th International Conference on Software Technology and Engineering.
2. Mr. D. K. Singh attended QIP STC on “Image Processing with VLSI Architectures” at IITR during July 06-10, 2015.
3. Mr. D. K. Singh attended TEQIP STC on “Research skills and methods” at IITK during 19-21st Feb 2016.

10.7 DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Vision

The vision of the Electronics and Communication Engineering Department is to become a globally leading department of higher learning, building upon the culture, the values of universal science and contemporary education, and a center of research and education generating the knowledge and the technologies which lay the groundwork in shaping the future in the fields of Electronics and Communication Engineering.

Mission

The mission of the Electronics and Communication Engineering Department is to provide quality education and research leading to B. Tech., M. Tech. and Ph. D. degree in the area of Electronics and Communication Engineering and Technology

which may produce globally acceptable high quality skilled manpower. To impart technical education which may provide innovative skills in their respective area of specialization for society in general with universal moral values, adherent to the professional ethical codes. To generate and disseminate knowledge and technologies essential to the local and global needs in the field of Electronics and Communication Engineering.

List of Laboratories

- (i) Basic Electronics Laboratory
- (ii) Advance Electronics Laboratory
- (iii) VLSI Laboratory
- (iv) Computer Architecture and DSP Laboratory
- (v) Communication Laboratory
- (vi) Data Communication Network Laboratory
- (vii) Microwave Laboratory
- (viii) Research Scholars' Laboratory

Courses Run by Department

- UG: B. Tech. in Electronics and Communication Engineering
- PG: M. Tech. in Electronics Engineering with specialization in Digital Systems Microelectronics and VLSI Design Communication Systems
- Ph.D.: Regular/ Part time/ QIP/ QIP Poly/ TEQIP/ DeitY Gol

Courses in which students were admitted

UG: B. Tech. in Electronics and Communication Engineering

Microelectronics and VLSI Design
Communication Systems

PG: M. Tech. in Electronics Engineering with specialization in Digital Systems

Ph.D.: Regular/ Part time/ QIP/ QIP Poly/ TEQIP/ DeitY Gol

List of Ph. D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Surjeet	2008REL03	QoS Constrained Routing for Mobile AdHoc Networks	Prof. Rajeev Tripathi
2.	T. Siva Kumar	2012REL05	Stability Criteria for Uncertain Discrete Systems in Presence of Finite Wordlength Nonlinearity and Delay	Dr. V. Krishna Rao K.
3.	Vinay Kumar	2010REL01	Cluster Size Optimization of Wireless Sensor Networks using Efficient Sensing Model and Node Deployment	Prof. Sudarshan Tiwari and Prof. Rajeev Tripathi
4.	Richa Agrawal	2009REL03	Performance Analysis of MANET Routing Protocols Under Security Threats	Prof. Sudarshan Tiwari and Prof. Rajeev Tripathi
5.	Prashant Pandey	2009REL51	Performance Analysis of Modified Partial Transmit Sequence Technique for PAPR Reduction in OFDM System	Prof. Rajeev Tripathi
6.	Suman Lata Tripathi	2009REL53	Design and Optimization of Multi-Gate MOS Devices	Dr. R. A. Mishra
7.	Shalini Singh	2008REL06	Performance of Routing Protocols for MANET with Infrastructure Network	Prof. Rajeev Tripathi
8.	Manish Kumar	2011REL01	QoS Routing for Real-time Data Transfer in Industrial Wireless Sensor Networks	Prof. Sudarshan Tiwari and Prof. Rajeev Tripathi
9.	Neha Agarwal	2012REL01	Criteria for the Global Asymptotic Stability of 1-D and 2-D Fixed-point State-space Digital Filters with Finite Wordlength Nonlinearities	Prof. Haranath Kar

List of M. Tech Thesis Completed

Sl. No	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Amit Kumar Singh Chauhan	2013VL11	Synthesis of Single layer, Bi layer and Few layer Graphene by CVD method using Cu substrate and liquid precursor Hexane and their characterizations	Prof. P. Chakrabarti
2.	Suwendu Nayak	2013VL04	Design of low loss ohmic type piezoelectric and electrostatic actuated RF MEMS switch and their simulation	Prof. P. Chakrabarti
3.	Mridul Gupta	2013EL06	Design and performance of user centric network selection algorithm in a Heterogeneous Wireless environment using AHP	Prof. Rajeev Tripathi
4.	U Madhavi Latha	2013EL14	Self-interference cancellation techniques in a full-duplex transceiver	Prof. Rajeev Tripathi
5.	Abhay Sharma	2013EL07	Analysis and design of a high speed multiplier employing carry lookahead adders	Prof. Haranath Kar

6.	Renuka R Kerketta	2013EL09	Design of optimum IIR filter with equiripple response	Prof. Haranath Kar
7.	Shailendra Kumar Jain	2013EL05	Digital image Watermarking using Wavelet transform and Singular Value Decomposition	Prof. V. K. Srivastava
8.	Modh Keyur Kamleshbhai	2013VL12	A novel compensation technique for low power three stage OTA	Prof. V. Bhadauria
9.	Gangireddy Thirumal Reddy	2013VL15	Design of cross couple bulk driven OTA with low harmonic distortion	Prof. V. Bhadauria
10.	Karra Ashok Vardhan	2013EL13	Performance analysis of evolutionary algorithms for analog active filter designs	Prof. Amit Dhawan
11.	Bikrant Kumar	2013EL20	Realization of a DA-based reconfigurable FIR Digital Filter by FPGA and ASIC	Prof. Amit Dhawan
12.	Ashish Kumar Yadav	2013VL16	Design and simulation of Ground Plane FinFET (GP-FinFET) suitable for low leakage circuits	Prof. R. K. Nagaria
13.	Suraj Ghanshyam Dhongade	2013VL10	Device simulation and performance evaluation of bulk FinFET	Prof. R. K. Nagaria
14.	Vishwajeet Sen Gupta	2013CM08	Slotted Antenna with truncated patch	Dr. V. S. Tripathi
15.	Abhijit Sinha	2013CM05	Dual Band Antenna Over Hybrid Substrate	Dr. V. S. Tripathi
16.	Vikrant Varshney	2013VL21	Study of short channel effects in a Gate Underlap DMDG MOSFET	Dr. R. A. Mishra
17.	Sandeep Rai	2013VL06	The effect of misalignment of DGS and DGD MOS devices	Dr. R. A. Mishra
18.	Rahul Tripathi	2013EL27	Design of pipelined structure of 64 bit MAC unit of DSP processor	Dr. Arvind Kumar
19.	Hardeep Singh Bhadoriya	2013CM19	Energy conservation in Wireless Sensor Network using Duty Cycling	Dr. Arvind Kumar
20.	Vikram Kishore Saxena	2013EL28	Age classification and Core Point Detection using Fingerprint Analysis	Dr. Arvind Kumar
21.	Ramavath Prasad Naik	2013CM16	Microstrip Antenna for Bio-Medical Applications	Mr. Rajeev Gupta
22.	Pushpendra Singh Gautam	2013EL23	Removal of power line interference from ECG Signals Using LMS & RLS Adaptive Filter Algorithms	Dr. V. Krishna Rao K.
23.	Chavalam Balachandra	2013CM15	64-Bit QAM based OFDM system for passband transmission using DHT	Mr. Asim Mukherjee
24.	Battu Vineel Vinson	2013CM17	Low complexity selective mapping technique for reducing PAPR	Mr. Asim Mukherjee
25.	Richa Pandey	2013EL08	Wavelet based NROI Medical Image Watermarking using efficient Quantization and Biometrics	Dr. Basant Kumar
26.	Mayur Kumar	2013CM04	Energy optimization and performance evaluation of ZigBee based WBAN for patient monitoring	Dr. Basant Kumar
27.	Vaibhav Narendra Trivedi	2013CM11	Miniaturized Implantable Patch Antenna design for Biomedical Application	Dr. Basant Kumar
28.	Prashant Kumar	2013EL21	Realization of high throughput Adaptive FIR Filter	Dr. Manish Tiwari

29.	Vivek Kumar Singh	2013EL22	Realization of power efficient 2-D Finite Impulse Response Filters	Dr. Manish Tiwari
30.	Praveen Kumar	2013VL18	Ultralow power Junctionless DG MOSFET	Dr. Sanjeev Rai
31.	Anil Kumar	2013VL09	An Ultra thin body Nanoscale Dual Material Double Gate SOI MOSFET	Dr. Sanjeev Rai
32.	Nirmal Chandra Roy	2013VL14	Analytical modeling and analysis of Junctionless Double Gate MOSFET for Analog/RF Applications	Dr. Sanjeev Rai
33.	Sudhanshu	2013VL01	Fabrication and characterization of cooper doped ZnO thin film	Dr. Shweta Tripathi
34.	Jitendra Rastogi	2013EL18	Simulation based study of strained silicon Nanowire transistors	Dr. Shweta Tripathi
35.	Ganesh Prasad Mishra	2013CM13	Proactive Spectrum Handoff for Cognitive Radio AdHoc Networks	Dr. Arun Prakash
36.	Yogesh Tripathi	2013CM23	A Multichannel Cognitive MAC Protocol for VANETs	Dr. Arun Prakash
37.	Rahul Raj	2013CM03	Clustering based enhanced safety message dissemination for VANET	Dr. Arun Prakash
38.	Amit Katre	2013CM01	A study of inter vehicle AdHoc Network	Dr. Y. K. Prajapati
39.	Raviteja Madallapalle	2013CM21	Study of metamaterial devices for optical communication using FDTD method	Dr. Y. K. Prajapati
40.	Shashank Mishra	2013CM06	Performance analysis of phase shift keying modulation schemes for optical communication	Dr. Y. K. Prajapati
41.	Raj Kumar	2013EL24	Booth encoded multi-modulus multiplier	Dr. P. Karuppanan
42.	Vishnu Shankar	2013EL30	Low power truncated multipliers for DSP applications	Dr. P. Karuppanan
43.	Ashutosh Kumar Varun	2013EL19	3-D numerical simulation based analog and RF performance comparison of Fin FET devices	Mr. V. Narendar
44.	Ningthoujam Qoonand Singh	2013EL29	2-D Simulation based performance comparison of Double Gate Tunnel FET devices	Dr. S. K. Gupta
45.	Girija Nandan Jaiswal	2013EL17	Simulation based study of N-Passivated zig - zag GNR FET with different doping in channel	Dr. S. K. Gupta
46.	Sangaraju Varun	2013CM18	Slotted Patch with Capacitive Probe Fed Microstrip Antenna for Wideband Applications	Dr. S. K. Gupta
47.	Ashutosh Singh	2013EL04	Simulation Based Study of GNR FET With Different Doping in channel	Mr. Mohd. Kaifi

Publication in International Journals

1. P. K. Verma, R. Verma, A. Prakash, K. Naik and R. Tripathi, "A Novel Hybrid Medium Access Control Protocol for Inter-M2M Communications," Journal of Network and Computer Applications (JNCA), vol. 75, pp. 77-88, 2016 (IF=2.485).
2. N. Gupta, A. Prakash and R. Tripathi, "Mobility Aware Multihop Clustering based Safety Message Dissemination in Vehicular Ad-hoc Network," International Journal of Computer Science and Information Security (IJCSIS), vol. 14, no. 3, pp. 404-423, 2016.
3. P. K. Verma, R. Verma, A. Prakash, A. Agrawal, K. Naik, R. Tripathi, M. Alsabaan, T. Khalifa, T. Abdelkader and A. Abogbara, "Machine-to-Machine (M2M) Communications: A Survey," Journal of Network and Computer Applications (JNCA), vol. 66, pp. 83-105, 2016 (IF=2.485).
4. K. Kumar, A. Prakash and R. Tripathi, "Spectrum Handoff in Cognitive Radio Networks: A

- Classification and Comprehensive Survey,” *Journal of Network and Computer Applications (JNCA)*, vol. 61, pp. 161–188, 2016 (IF=2.485).
5. A. Verma, A. Prakash and R. Tripathi, “Sensitivity improvement of graphene based surface plasmon resonance biosensors with chalcogenide prism,” *Optik - International Journal for Light and Electron Optics*, vol. 127, no. 4, pp. 1787–1791, 2016 (IF= 1.01).
 6. P. K. Verma, R. Verma, A. Prakash, and R. Tripathi, “Throughput-Delay Evaluation of a Hybrid-MAC Protocol for M2M Communications,” *International Journal of Mobile Computing and Multimedia Communications (IJMCMC)*, vol. 7, no. 1, pp. 41-60, 2016.
 7. N. Gupta, A. Prakash, and R. Tripathi, “Medium Access Control Protocols for Safety Applications in Vehicular Ad-Hoc Network: A Classification and Comprehensive Survey,” *Vehicular Communications*, vol. 2, no. 4, pp. 223–237, 2015.
 8. A. Verma, A. Prakash and R. Tripathi, “Sensitivity enhancement of Surface Plasmon Resonance Biosensor using Graphene and Air gap,” *Optics communications*, vol. 357, pp. 106-112, 2015 (IF= 1.43).
 9. C. K. Ahn and H. Kar, “Expected power bound for two-dimensional digital filters in the Fornasini-Marchesini local state-space model,” *IEEE Signal Processing Letters*, vol. 22, no. 8, pp. 1065-1069, Aug. 2015 (IF= 1.661).
 10. S. K. Tadepalli, V. K. R. Kandavli and H. Kar, “A New Delay-Dependent Stability Criterion for Uncertain 2-D Discrete Systems Described by Roesser Model Under the Influence of Quantization/ Overflow Nonlinearities,” *Circuits Systems and Signal Processing*, vol. 34, no. 8, pp. 2537-2559, 2015 (IF=1.178).
 11. C. K. Ahn and H. Kar, “Passivity and Finite-Gain Performance for Two-Dimensional Digital Filters: The FM LSS Model Case,” *IEEE Transactions on Circuits and Systems II-Express Briefs*, vol. 62, no. 9, pp. 871-875, 2015 (IF= 1.136).
 12. S. K. Tadepalli, V. K. R. Kandavli, and H. Kar, “Stability criterion for uncertain 2-D discrete systems with interval-like time-varying delay employing quantization/overflow nonlinearities,” *Turkish Journal of Electrical Engineering & Computer Sciences*, vol. 24, pp. 3543 – 3551, 2016 (IF=0.583).
 13. D. P. Kokil and H. Kar, “Criterion for the limit cycle free state-space digital filters with external disturbances and quantization/ overflow nonlinearities,” *Engineering Computations*, vol. 33, no. 1, pp. 64-73, 2016 (IF=0.691).
 14. N. Agarwal and H. Kar, “Criterion for non-existence of limit cycles in 2D state-space digital filters described by the Fornasini–Marchesini second model with finite wordlength non-linearities,” *IET Signal Processing*, vol. 10, no. 5, pp. 449-456, 2016 (IF= 0.911).
 15. S. K. Tadepalli, V. Krishna Rao K. and H. Kar, “Comment on Stability analysis and controller synthesis for discrete linear time-delay systems with state saturation nonlinearities,” *International Journal of Systems Science*, vol. 46, no. 15, pp. 2818-2819, 2015 (IF= 1.947).
 16. F. Thakkar and V. K. Srivastava, “Digital image watermarking in complex wavelet domain and selection of suitable high frequency subband for watermark embedding,” *Int. Journal of multidisciplinary research centre*, vol. 2 no. 3, pp. 67-75, 2016.
 17. S. R. Kassa and R. K. Nagaria, “LEakage Control TRANsistor (LECTRA): A novel approach for Leakage Reduction in Low Power VLSI Design,” *Journal of Active and Passive Electronic Devices (JAPED)*, vol. 11, no. 1, pp. 53-77, January 2016 (IF= 0.312).
 18. S. R. Kassa and R. K. Nagaria, “A novel design of quantum dot cellular automata 5-input majority gate with some physical proofs,” *Journal of Computational Electronics*, vol. 15, no. 1, pp. 324-334, 2016 (IF= 1.52).
 19. V. Narendar and R. A. Mishra, “Analytical Modeling and simulation of multigate FinFET devices and the impact of high-k dielectrics on short channel effects (SCEs),” *Superlattices and Microstructures*, vol. 85, pp. 357-369, 2015 (IF= 2.117).
 20. S. K. Tadepalli and V. K. R. Kandavli, “Improved stability results for uncertain discrete-time state-delayed systems in the presence of nonlinearities,” *Transactions of the Inst. Measurement and Control*, vol.38, no.1, pp.33-43, 2016 (IF= 0.820).

21. R. Pandey, A. K. Singh, B. Kumar and A. Mohan, "Iris based secure NROI multiple eye image watermarking for teleophthalmology," *Multimedia Tools and Applications*, vol. 75, no. 22, pp. 14381-14397, 2016 (IF= 1.346).
22. A. Vidyarthi and M. Tiwari, "LMI Approach to Optimal Guaranteed Cost Control for Uncertain 2-D Discrete Shift Delayed Systems Described by the General Model," *International Journal of Technology Innovations and Research*, vol. 18, no. 1, pp. 1–15, 2016.
23. N. C. Roy, A. Gupta and S. Rai, "Analytical surface potential modeling and simulation of junction-less double gate (JLDG) MOSFET for ultra low-power analog/RF circuits," *Microelectronics*, vol. 46, no. 1, pp. 916-922, 2015 (IF= 0.92)
24. B. K. Singh and S. Tripathi, "Influence of Bi Concentration on Structural and Optical Properties of Bi Doped P-Type ZnO Thin Films Prepared by Sol Gel Method," *Journal of Materials Science: Materials in Electronics*, vol. 27, no. 3, pp. 2360-2366, 2016 (IF=1.569).
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27. S. K. Singh, P. Hazra, S. Tripathi and P. Chakrabarti, "Fabrication and experimental characterization of a sol–gel derived nanostructured n-ZnO/p-Si heterojunction diode," *Journal of Materials Science: Materials in Electronics*, vol. 26, no. 10, pp. 7829-7836, 2015 (impact factor 1.569).
28. S. Tripathi and V. Narender, "A Three-Dimensional (3D) Analytical Model for Subthreshold Characteristics of Uniformly Doped FinFET," *Superlattices and Microstructures*, vol.83, pp.476–487, 2015 (IF= 2.097).
29. S. Pal, Y. K. Prajapati, J. P. Saini and V. Singh, "Sensitivity enhancement of Metamaterial based Surface Plasmon Resonance Biosensor for near infrared," *Journal of Optics Applied*, vol. 46, no. 1, pp.131-143, 2016 (IF= 0.55).
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32. S. Agarwal, Y. K. Prajapati, V. Singh and J. P. Saini, "Polarization Independent Broadband Metamaterial Absorber Based on Tapered Helical Structure," *Optics Communications*, vol. 356, pp. 565-570, 2015 (IF=1.449).
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34. V. K. Srivastava, Y. K. Prajapati, V. Singh and J. P. Saini, "Enhancement of Effective Area of Bragg Waveguide using Plasma for Communication Systems," *International Journal of Microwave and Optical Technology Letters*, vol. 57, no. 11, pp. 2491-2496, 2015 (IF= 0.568).
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36. J. B. Maurya, Y. K. Prajapati, V. Singh, J. P. Saini and R. Tripathi, "Performance of Graphene-MoS₂ based Surface Plasmon Resonance Sensor using Silicon layer," *Journal of Optical and Quantum Electronics*, vol. 47, no. 11, pp. 3599-3611, 2015 (IF= 0.987).
37. A. Upadhyay, Y. K. Prajapati, V. Singh and J. P. Saini, "Sensitivity estimation of metamaterial loaded planar waveguide," *International Journal of Optical and Quantum Electronics*, vol. 47, no. 7, pp. 2277-2287, 2015 (IF=0.987).

38. S. Pal, Y. K. Prajapati, J. P. Saini and V. Singh, "Sensitivity enhancement of metal clad planar waveguide sensor using metamaterial layer as a guiding layer," *Optik - International Journal for Light and Electron Optics*, vol. 126, no. 14, pp. 1372-1376, July 2015 (IF= 0.677).
39. Y. Prajapati, J. B. Maurya, V. Singh and J. P. Saini, "Modal Analysis and Dispersion Curves of an Elliptical W-type Single Mode Fiber," *Journal of Optics and spectroscopy*, vol. 118, no. 5, pp. 821-828, May 2015 (IF= 0.723).
40. P. Karuppanan, K. Khan and S. R. Ghosh "Dynamic gate and substrate control charge pump circuits: a review," *Analog Integrated Circuits Signal Process*, vol. 83, no. 2, pp.257-270, April 2015 (IF= 0.43).
41. S. K. Gupta and G. N. Jaiswal, "Study of Nitrogen Terminated doped zigzag GNR FET Exhibiting Negative Differential Resistance," *Superlattices and Microstructures*, vol. 86, pp. 355-362, Oct. 2015 (IF= 2.097).
42. S. K. Gupta, "Threshold Voltage Model of Junctionless Cylindrical Surrounding Gate MOSFETs including Fringing Field Effects," *Superlattices and Microstructures*, vol. 88, pp. 188-197, Dec. 2015 (impact factor 2.097).
4. V. Verma, V. K. Srivastava and F. Thakkar, "DWT-SVD based Digital Image Watermarking using Swarm Intelligence," in *Proc. IEEE Int. Conf. on Electrical, Electronics and Optimization Techniques (ICEEOT 2016)*, Chennai, TN-India, March 03-05, 2016.
5. S. R. Kassa and R. K. Nagaria, "A Review on Robust Low Power System Level Digital Circuit Design Approaches in Nano-CMOS Technologies," in *Proc. 6th International Conference on Computer and Communication Technology (ICCT'15)*, MNNIT Allahabad, pp.371-375, Sept. 2015.
6. S. Pathak, M. Kumar, A. Mohan and B. Kumar, "Energy Optimization of Zigbee based WBAN for Patient Monitoring," in *Proc. 4th IEEE International Conference on Eco-friendly Computing and Communication Systems (ICECCS 2015)*, pp. 414-420, 2015.
7. B. K. Singh and S. Tripathi, "Determination of optical parameters of p-ZnO thin film obtained by Bi doping," in *Proc. 2015 Annual IEEE India Conference (INDICON)*, IEEE, 2015.
8. S. K. Singh, P. Hazra, S. Tripathi and P. Chakrabarti, "Fabrication and Characterization of Mg Doped ZnO Nanostructures Thin Film by RF Magnetron Sputtering Technique," in *Proc. AIP ETMN 2015*.
9. L. Agarwal, B. K. Singh, S. Tripathi and P. Chakrabarti, "Determination of Optical Properties of Copper Doped ZnO Thin Films," in *Proc. AIP ETMN 2015*.
10. Y. K. Prajapati, M. Raviteja, S. I. Agarwal and A. Verma, "Design of Broadband and Polarization-independent Metamaterial Absorber Using NHelix," in *Proc 9th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics – Metamaterials 2015 Oxford, United Kingdom*, pp. 141-143, Sept.07-12,2015.
11. D. Sharma, J. B. Maurya and Y. K. Prajapati, "Effect of noise on constellation diagram of 100 Gbps DP-QPSK systems under influence of different digital filters," in *Proc. IEEE International Conference on Microwave and Photonics (ICMAP2015)*, Indian School of Mines, Dhanbad, India, pp. 13-15, 2015.

Publication in National Journals : NIL

Publication in Conferences

1. P. K. Verma, A. Prakash, R. Verma, R. Tripathi, and K. Naik, "A Novel Scalable Hybrid-MAC Protocol for Densely Deployed M2M Networks," in *Proc. International Conference on Computational Intelligence and Communication Networks (CICN)*, pp. 50-55, Dec. 12-14,2015.
2. F. Thakkar and V. K. Srivastava, "Improved compressive sensing for grayscale images with zigzag scanning and block DCT," in *Proc. Int. Conf. on Computer Communication and Control (ICCCC 2015)*, Indore-MP, pp. 728-731, Sept. 10-12,2015, .
3. T. Bhuyan, V. K. Srivastava, and F. Thakkar, "Shuffled SVD based Robust and Secure Digital Image Watermarking," in *Proc. Int. Conf. on Electrical, Electronics and Optimization Techniques (ICEEOT 2016)*, Chennai, TN-India, March 03-05, 2016.

Papers Presented at Conferences

1. S. R. Kassa and R. K. Nagaria, "A Review on Robust Low Power System Level Digital Circuit Design Approaches in Nano-CMOS Technologies," presented at the 6th International Conference on Computer and Communication Technology (ICCT'15), MNNIT Allahabad, India, Sept. 2015.
2. S. Agarwal and Y. K. Prajapati, "Optimization of Top and Additive Layer Thickness of SPR Sensor for Sucrose Detection," presented at the International Conference on Advances in Computing, Control and Communication Technology (IAC3T2016), Allahabad University, Allahabad, India, March 25-27, 2016.
3. D. Sharma and Y. K. Prajapati, "Comparative aspect of different multi-channel DWDM optical network," presented at the International Conference on Computing, Control and Communication Technology (IAC3T 2016), Allahabad University, Allahabad, India, March 25-27, 2016.

Patents : NIL

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Prof. Rajeev Tripathi	Ad Hoc Networks Wireless Personal Communication
2.	Prof. Haranath Kar	IEEE Signal Processing Letters Journal of Franklin Institute
3.	Prof. Amit Dhawan	International Journal of Systems Science Transactions of the Institute of Measurement and Control
4.	Prof. R. K. Nagaria	International Journal of Electronics (IJE) WSEAS Trans. on Electronics
5.	Dr. V. Krishna Rao K.	Circuits, systems and Signal Processing Transactions of the Institute of Measurement and Control
6.	Dr. Basant Kumar	Multimedia Tools and Applications Security & Communication Network Journal of Intelligent Systems
7.	Dr. Arun Prakash	International Journal of Electronics International Journal of Distributed Sensor Networks Silicon International Journal of Sensor Networks
8.	Dr. Y. K. Prajapati	International Journal of Advanced Intelligence Paradigms Sensors & Actuators: B. Chemical Silicon Optical Fiber Technology Optics Communications Journal of Optics Optics Letters Infrared Physics & Technology
9.	Dr. Santosh Kumar Gupta	Wireless Personal Communications Journal Superlattices and Microstructures

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1	Prof. Rajeev Tripathi, Dr. Arun Prakash	Mobile Ad Hoc Networks: QoS Constrained Routing Protocols		LAP Lambert Academic Publishing' (2015), ISBN: 978-3-659-31006-5
2.	Amit Kumar Singh, Basant Kumar, Anand Mohan	Handbook of Research on Modern Cryptographic Solutions for Computer and Cyber Security	Digital Image Watermarking: Techniques and Emerging Applications	IGI Global, USA
3.	P. Karuppanan	Basic Truncated and MultiModulus Multiplier		Lambert Academic Publishing, July 2015

Conference/ Workshop/ Short Term Course Organized

Sl. No.	Seminar/ Conferences	Chair/ Co-chair/ Coordinator	Month & Year
1.	IEEE UP Section Conference on Electrical, Computer and Electronics (IEEE UPCON-2015)	Prof. Rajeev Tripathi Track Chair	4-6 Dec. 2015
2.	VDES-2015	Dr. Sanjeev Rai	June-July 2015
3.	IEEE UP Section Conference on Electrical, Computer and Electronics (IEEE UPCON-2015)	Dr. Arun Prakash Track Chair	4-6 Dec. 2015

Invited Lectures Delivered

1. A lecture delivered by Prof. V. K. Srivastava, on December 14-18, 2015 at CSED, MNNIT, Allahabad in TEQIP-II sponsored Short-term Course on "Simulation of Image, Audio & Video with MATLAB, Open CV and Documentation with LaTeX (SIMDOC-2015) titled "Signal and Speech Processing: Review and Advanced topics".
2. An expert talk delivered by Dr. Y. K. Prajapati on 11-13 February 2016 at ITM University, Gwalior in the 6th International Conference on "Technology Innovation & Management for Sustainable Development (TiMS-16) on "Innovative photonic for communication and sensing application".

1. Dr. A. Kumar as Coordinator in Summer Training Program on VLSI Design and Embedded Systems 2015 (VDES-2015), June 16- July 15, 2015.
2. Dr. Manish Tiwari as Coordinator in Summer Training Program on VLSI Design and Embedded Systems 2015 (VDES-2015), June 16- July 15, 2015.
3. Dr. Santosh Kumar Gupta as Coordinator in Summer Training Program on VLSI Design and Embedded Systems 2015 (VDES-2015), June16- July 15, 2015.

Conferences/ Workshops/ Short-Term Courses/ Training Programme Attended

1. Dr. S. K. Gupta attended one week Faculty Development Program "Recent Trends in Microwave and Antenna Technology" at NIT Silchar, Assam during 18-22 May, 2015.

Invited Lectures Organized: NIL

Coordinator/ Co-coordinator in Workshops/ Short-Term Courses/ Training Programme.

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator/ Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1	Dr. Basant Kumar, Mr. Shubham Jain	Development of Low Cost System for Real – Time ECG Data Acquisition and Wireless Remote Monitoring Name of title	MHRD sponsored Multi Institutional Research Project "Design and Innovation Centre"	50,211	27.10.15 One Year (ongoing)
2.	Dr Basant Kumar, Mr. Shubham Kumar Gupta	Development of Portable Cataract Detection System	MHRD sponsored Multi Institutional Research Project "Design and Innovation Centre"	51,500	27.10.15 One Year (ongoing)
3.	Dr. Arun Prakash	Experimental Investigation of Multihop Sensory Data Collection for Networking Applications	MNNIT Allahabad	2 Lakh	July 2015 (02 Yrs.) (ongoing)
4.	Dr. Y. K.Prajapati	Design and Study of Sensitivity of optical biosensors having	Science and Engineering Research Board Department of Science &	23.39 Lakh	June 2014 (03 years) (Ongoing)

6.	Dr. Y. K. Prajapati	Metamaterials Design of biosensors using metal clad for sensing application	Technology, New Delhi Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India under TEQIP-II	3.00 Lakh	02/09/2013 Completed
7.	Dr. Y. K. Prajapati	Simulation and numerical analysis of optical microstructure fibers: Dispersion characteristic	Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India under plan grant	2.00 Lakh	07/03/2014 Completed
8.	Dr. P. Karuppanan	Implementation of fast charging/ discharging PHEVs integrated with modern UPS for peak demand reduction in distributed system	CSIR: San. No. 22(0703)/15/EMR-II dated 23/11/2015	29, 25,300	23/11/2015 to 23/11/2018 (ongoing)
9.	Dr. P. Karuppanan	Design and Development of an FPGA Controller for PEM Fuel Cell Power Systems	DAE, BRNS; Sanc. No. 34/14/53/2014-BRNS dated 12/12/2014	18,89,200	Dec. 2014 to Dec. 2017 (ongoing)
10	Dr. Santosh Kumar Gupta	To develop and Test FPGA based low power wireless sensor network with front end and receiver modules	MNNIT Allahabad	2 Lakh	02 Years (ongoing)
11.	Prof. Rajeev Tripathi/ Dr. Santosh Kumar Gupta	Special Manpower Development Program - Chip to System Design (SMDP-C2SD)	DeitY, Govt. of India	Approx. 60 Lakh	05 Years (ongoing)

Other Information

1. Prof. H. Kar has served as a Member of Editorial Board of Mathematical Problems in Engineering (SCI Journal) and Journal of Engineering (Hindawi)
2. Prof. Amit Dhawan Listed in Marquis Who's who in the World, USA.
3. Dr. V. Krishna Rao K. Listed in Marquis Who's Who in the World 2016 (33rd edition)
4. Dr. Santosh Kumar Gupta acted as Reviewer for:
 - (i) IEEE Students' Technology Symposium (TechSym 2016)
 - (ii) 2nd International Conference on Control Computing Communication and Materials (ICCCCM-2016)
 - (iii) PC Member: IEEE UP Section Conference on Electrical, Computer and Electronics (IEEE UPCON2015)

10.8 DEPARTMENT OF ELECTRICAL ENGINEERING

Vision

To produce globally competitive technical manpower with sound knowledge of theory and practice, with a commitment to serve the society and to foster cutting edge research in Electrical Engineering pertaining to the problems currently faced by the country and the world.

Mission

Development of state of art lab facilities for research and consultancy. Development of relevant content for quality teaching. Development of infrastructure and procurement of cutting edge tools/ equipment. Improving symbiotic relationship with Industry for collaborative research and resource generation.

List of Laboratories

- (i) Power Electronics Laboratory
- (ii) Electrical Machines Laboratory
- (iii) Control Systems Laboratory
- (iv) Virtual Instrumentation Laboratory
- (v) Simulation Laboratory
- (vi) Research Scholars' Laboratory
- (vii) CRU-1 & 2
- (viii) High Voltage Laboratory
- (ix) Measurement & Instruments Laboratory

Courses Run by Department

List of Ph.D Thesis Completed

- (i) B. Tech. (Electrical Engineering)
- (ii) M. Tech. (Power System)
- (iii) M. Tech. (Control Systems)
- (iv) M. Tech. (Power Electronics & Drives)
- (v) Ph.D. in Electrical Engineering

Courses in which students were admitted

- (i) B. Tech. (Electrical Engineering)
- (ii) M. Tech. (Power System)
- (iii) M. Tech. (Control Systems)
- (iv) M. Tech. (Power Electronics & Drives)
- (v) Ph.D. in Electrical Engineering

Sl. No.	Name of Student	Reg. No.	Thesis title	Supervisor(s)
1.	Rajendra Pratap	2010REE09	SPICE Modeling of SiC based Power Converters and their applications	Dr. Vineeta Agarwal Dr. R. K. Singh
2.	Rajendra Prasad Payasi	2009REE10	Distributed Generation Planning System in Power Distribution	Dr. Asheesh K. Singh Dr. Devendra Singh (EED, IT BHU)
3.	Sarika Kalra	2008REE01	Performance Analysis of High Speed Induction Motor Using Finite Element Method	Prof. Vineeta Agarwal
4.	V. Ravi Prasad	2008REE09	Optimal Sizing of PV Array for Critical Loads with Parallel Redundant Architecture	Dr. R. K. Singh
5.	Deepshikha Agarwal	2009REE57	Application of Wireless Sensor Network for Structural Health Monitoring of Offshore Wind Farm	Dr. Nand Kishor
6.	Navdeep Singh	2011REE05	Single Stage AC-AC Converter for Wind Energy System	Dr. Vineeta Agarwal
7.	Vikas Sharma	2011REE06	Nonlinear Intelligent Controllers Design for Speed Control of All-Electric Vehicle	Dr. Shubhi Purwar
8.	G. V. E. Satish Kumar	2011REE07	Sliding Mode Control of Voltage Source Inverter Based Higher Order Circuits and Its Applications	Dr. Rajesh Gupta
9.	Rishabh Dev Shukla	2009REE08	Voltage and Frequency Control in Based Wind Energy System Autonomous DFIG	Dr. R. K. Tripathi
10.	Sandeep Gupta	2009REE51	Analysis and Design of Optimal Controller for CSC Based STATCOM to Enhance Power System Performance	Dr. R. K. Tripathi
11.	Navneet Kumar Singh	2008REE04	Electric Load Forecasting: An Artificial Neural Network Approach	Dr. Asheesh K. Singh Dr. Manoj Tripathi (EED IITR)
12.	Shashi Bhushan Singh	2009REE06	Voltage Unbalance Assessment for Induction Motor Performance Analysis	Dr. Asheesh K. Singh

List of M. Tech Thesis Completed

Sl. No.	Name	Reg. No.	Stream	Thesis Title	Supervisor(s)
1.	Neeraj Gupta	2013EE08	Control & Instrumentation Engg	Model Order Reduction Using Clustering Algorithms	Dr.A Narain
2.	Ankit Sachan	2013EE25	Control & Instrumentation Engineering	Model order reduction of Continuous Interval System Based on Frequency Domain Methods	Dr Deepak Kumar
3.	Manish Kumar Sharma	2013EE09	Control & Instrumentation Engineering	Order Reduction Of Discrete Interval System by Stability Preservation Method	Dr Deepak Kumar
4.	Amar Singh Patel	2013PE33	Power Electronics &Drives	Modular Fuel Cell &Modular DC-DC Converter For Fuel Cell Power System	Er. M. Venkatesh Naik
5.	Avanish Pandey	2013PE32	Power Electronics &Drives	Small Signal Steady State Analysis Of Electronically Interfaced Microgrid	Dr. Nand Kishor
6.	Mukhlesur Rahman	2013PE34	Power Electronics &Drives	Speed control of SL-qzSI fed bldc Motor	Dr. R. K. Tripathi
7.	Satish Kumar Singh	2013PE06	Power Electronics &Drives	Modelling and analysis os ripple current reduction method for fuel cell connected system	Er. M. Venkatesh Naik
8.	Apoorv Vats	2013PE30	Power Electronics &Drives	Speed control of permanent magnet synchronous motor drive for e-vehicle	Prof. Ravindra K. Singh
9.	Gyanendra Kumar	2013PE28	Power Electronics &Drives	Piezoelectric energy harvesting system	Dr. Richa Negi
10.	Saurabh Kumar Pal	2013PE27	Power Electronics &Drives	To evaluate energy production of different off-shore wind form	Dr. A Narain
11.	Govind Shekhar	2013PE07	Power Electronics &Drives	Sliding mode control of dc-dc buch converter with constant power	Prof. Shubhi Purwar
12.	Manuj Rai	2013PE13	Specialization in Power Electronics & Drives	Control of novel multilevel inverter	Dr. R. K. Tripathi
13.	Santosh Kumar	2013PE35	Power Electronics & Drives	Sliding mode control of dc-dc boost converter	Dr. Richa Negi
14.	Piyush Kant	2013PE04	Power Electronics & Drives	Analysis and implementation of multicarrier modulation for marx multilevel inverter	Dr.Paulson Samuel
15.	Pasagadugula Venkata Krishna	2013PE25	Power Electronics & Drives	Solar pv fed cascaded h-bridge inverter performance sveluation using Xilinx system generator	Dr. Rajesh Gupta
16.	Pandla China Dastagiri Goud	2013PE03	Power Electronics & Drives	Grid connection solar pv system with mpp tracking using labview epga	Dr. Rajesh Gupta
17.	Rajani Saikia	2013PE16	Power Electronics & Drives	Study on digital control of high power dc-dc converter using microcontroller	Prof.Ravindra K. Singh
18.	Shirish Gupta	2013PE01	Master of technology	Ste- up switch or multilevel	Dr.Paulson

			in Power Electronics & Drives	inverter for variable frequency industrial application	Samuel
19.	Ashma Gangwar	2013PE02	Power Electronics & Drives	Comparative study of power electronic converter for wind energy conversion system	Dr.Vineeta Agarwal
20.	Rohit Gupta	2013PE29	Master of technology in Power Electronics & Drives	Adaptive sliding mode control of dc-dc boost converter	Dr.Shubhi Purwar
21.	Prathap Bhukya	2013EE28	Master of technology in Power system	Fuzzy based islanding detection for distributed generation system	Mr.Navneet Kumar Singh
22.	Shashank Shekher	2013EE17	Master of technology in Power system	Power system cscillation damping using facts controller	Dr.asheesg Kumar Singh
23.	Ashika Gururani	2013EE06	Master of technology in Power system	Differential schemes for microgrid protection	Dr.Soumya Ranjan Mohanty
24.	Avinash Kumar	2013EE18	Master of technology in Power system	Classification of inter-area disturbance in power system	Dr.nand kishor
25.	Vinay Kumar	2013EE22	Master of technology in Power system	Protection coordination and optimal location of fault current limiter in micro grid	Dr. Neraj Kumar Choudhary
26.	Athul Thomas Tharakan	2013EE26	Master of technology in Power system	SnC battery energy storage system for hybrid renewable source	Dr. Asheesh Kumar Singh
27.	Ashutosh kumar pandey	2013EE01	Master of technology in Power system	Electricity price forecasting wavelet based generalized neural network under different error function	Mr. Nitin Kumar Singh
28.	Pusam Prudhvi Rahul	2013EE15	Master of technology in Power system	Design of fuzzy logic controller for magnetic levitation system	Dr. Richa Negi

Publication in International Journals

1. N. Singh and V. Agarwal, "Delta Modulated AC Converter for PM WECS," IEEE Transactions on Industrial Informatics, vol. 11, no. 6, pp. 1422-1434 2015 (IF=4.708).
2. N. Singh and V. Agarwal, "A New Random SPWM Technique for AC-AC Converter Based WECS," Journal of Power Electronics, vol. 15, no. 4, pp. 939-950, 2015(IF= 0.97)
3. R. P. Payasi, A. K. Singh, D. Singh, N. K. Singh, "Multi-Objective Optimization of Distributed Generation with Voltage Step Constraint," International Journal of Engineering, Science and Technology Special Issue: "Energy, Economics and Environment," vol. 7, no. 3, pp. 33-41, 2015.
4. N. K. Choudhary, S. R. Mohanty and R. K. Singh, "Active and Reactive Power Management in Micro-grid Analysis in Grid Connected and Islanded Mode of Operation," Indian Journal of Science and Technology, vol. 9, no. 21, 2016 (IF=1.5).
5. N. K. Choudhary, S. Mohanty and R. K. Singh, "Coordination of Overcurrent Relay in Distributed System for Different Network Configuration," Journal of Power and Energy Engineering, vol. 03, pp. 1-9, 2015.
6. N. Kishor, L. C. Haarla and S. Purwar, "Stability analysis and stabilization of delayed reduced-order model of large electric power system," Journal-International Transactions on Electrical Energy Systems, vol. 26, pp. 1882-1897, 2015 (IF= 1.084).
7. S. Patra, A.M. Narayana, S. R. Mohanty and N. Kishor, "Power quality improvement in grid-connected photovoltaic-fuel cell based hybrid system using robust maximum power point tracking controller," Journal-Electric Power Components and Systems, vol. 43, no. 20, pp. 2235-2250, 2015 (IF= 0.664)

8. R. Perveen, N. Kishor and S. R. Mohanty, "Fault detection for offshore wind farm connected to onshore grid via VSC-HVDC," IET Generation, Transmission and Distribution, vol. 9, no. 16, pp. 2544-2554, 2015, (IF=1.307).
9. D. Agarwal, N. Kishor and A. S. Raghuvanshi, "Flexible threshold selection and fault prediction method for health monitoring of off-shore wind farm," Wireless Sensor Systems, vol. 5, no. 4, pp. 183-192, 2015.

Publication in National Journals - Nil

Publication in Conferences

1. A. Agarwal and V. Agarwal, "FPGA Based Sinusoidal Pulse Width Modulated Frequency Converter" IEEE Power Electronics, Intelligent Control and Energy System, ICPEICES-2016, Delhi, 2016.
2. A. Vikram and V. Agarwal, "Overview of Nano Electronics Printing Techniques and Patterning Defects Detection," IEEE UPCON 2015, Allahabad, Dec.4-6, 2015.
3. A. Vikram, V. Agarwal and D. Prakash, "Multi-dimensional Design Layout Analysis in ASIC Manufacturing," IEEE Student Conference on Engineering and Systems SCES 2015 Allahabad, India, Nov.06-08, 2015.
4. S. Agrawal, S. R. Mohanty and V. Agarwal, "Harmonics and Inter Harmonics Estimation of Wind Power Plant using Sliding Window Matrix Pencil," IEEE Industrial Electronics Society (IECON2015), Yokohama, Japan, Nov.09-12, 2015.
5. A. Vikram, A. Gangwar and V. Agarwal, "Multiple-Patterning and Systematic Wafer Inspection of VLSI Devices for Yield," 2015 Annual IEEE India Conference (INDICON), New Delhi, India, Dec. 17-20, 2015.
6. M. Naresh, N. K. Singh and A. K. Singh, "Superconducting Fault Current Limiter for Grid Connected Power System Protection," IEEE International Conference on Industrial Technology (ICIT), Taipei, pp. 576-581, March 14-17, 2016.
7. A. T. Tharakan, A. K. Singh and P. Kumar, "Dynamic Programming Energy Management Algorithm for SNC Battery Based Hybrid Renewable Source," IEEE International Conference on Industrial Technology (ICIT), Taipei, 2016, pp. 400-405, 2016.
8. N. K. Paliwal, R. Mohanani, N. K. Singh and A. K. Singh, "Demand side energy management in hybrid microgrid system using heuristic techniques," IEEE International Conference on Industrial Technology (ICIT), Taipei 2016, pp. 1910-1915, 2016.
9. D. Kumar, A. Jazlan, V. Sreeram and R. Togneri, "Partial Fraction Expansion Based Frequency Weighted Balanced Singular Perturbation Approximation Model Reduction Technique with Error Bounds" 6th IFAC Symposium on System Structure and Control SSSC 2016, Istanbul, Turkey 2016, vol. 49, no. 9, pp. 45-50, 2016.
10. D. Kumar and S. K. Nagar, "Frequency Weighted Square-root Optimal Hankel Norm Model Reduction," Proc. 10th Asian Control Conference ASCC-2015, Kota Kinabalu, Malaysia, pp. 1-4, 2015.
11. M. K. Sharma and D. Kumar, "Modified γ - δ Routh Approximation Method for order Reduction of Discrete Interval Systems," 10th Asian Control Conference ASCC-2015, Kota Kinabalu, Malaysia, pp. 1-5, 2015.
12. N. K. Choudhary, S. R. Mohanty, R. K. Singh, "Protection Coordination of Over Current Relays in Distributed System for Different Operating Modes," in 12th IEEE India International Conference INDICON, Dec 17-20, 2015.

Patents- NIL

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Vineeta Agarwal	IEEE Transactions on Industrial Electronics, Journal of Power Electronics, Korea, IEEE Transactions on Power Electronics, IEEE Transactions on Small Grid.
2.	Navneet Kumar Singh	Electrical Power & Energy Systems (Elsevier).

3. Nand Kishor
- IEEE Transactions on Sustainable Energy,
 IEEE Transactions on Smart Grid,
 IEEE Transactions on Control System Technology,
 IEEE Transactions on Automation Science and Engineering,
 IET Renewable Power Generation,
 IEEE Transactions on Energy Conversion,
 IEEE Transaction on Power Delivery,
 IEEE Transactions on Power Electronics,
 Journal of Solar Energy, Elsevier Science,
 International Transactions on Electrical Energy Systems,
 ASME- Journal of Dynamic Systems, Measurement and Control,
 International Journal of Hydrogen Energy, Elsevier Science,
 Applied Soft Computing, Elsevier Science,
 AdHoc Networks, Elsevier Science,
 Control Engineering Practice, Elsevier Science,
 Journal of Power Sources, Elsevier Science,
 Renewable Energy, Elsevier Science,

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration(Status)
1.	Dr. A. K. Singh (EED)/ Dr. P. Karuppanan (ECED)	Implementation of Fast charging/discharging of PHEV's integrated with modern UPS for peak demand reduction in distribution system.	CSIR, New Delhi.	23,05,200 (Total Sanctioned amount)	Commencement on February 1 st 2016 (Total Duration 36 Months)
2.	Dr. P. Karuppanan (ECED) / Dr. A. K. Singh (EED)	Design & Development of FPGA controller for PEM fuel cell power systems.	BRNS, Mumbai.	18,89,000 (Total Sanctioned Amt.)	Commencement on 1 st December 2014 (Total Duration 36 Months)
3.	Dr. Soumya Ranjan Mohanty (EED)/ Dr. Nand Kishore (EED)	Embedded Disturbance Detection and Classification of distributed generated unit connected to the grid.	SERB	36,93,000 (Total Sanctioned amount)	Commencement on 7 th October 2015 (Total Duration 36 Months)
4.	Dr. Nand Kishore (EED) Dr. S. R. Mohanty	Operation of smart grid with wide area information (opera grid)	DST	18,85,980 (Total Sanctioned amount)	Commencement on 7 th October 2015 (Total Duration 36 Months)
5.	Dr. Rajesh Gupta (EED)/ Dr. Paulson Samuel (EED)	Solar Photovoltaic Array Power Conversion using Embedded Cascaded Multilevel Inverter	SERB (DST)	34,36,600	10 th October 2012 and 3.5 years (Completed)
6.	Dr. Rajesh Gupta (EED)	Power Electronics Converter Based Bidirectional Power Flow Controller for Energy Storage Application	CSIR, New Delhi.	20,46,000	Commencement on 11 th December 2015 (Total Duration 36 Months)

10.9 GIS CELL

Vision

To establish an identity in the area of geoinformatics amongst national and international academic and research organisations through knowledge creation, acquisition and dissemination for the benefit of Society and National development.

Mission

To provide quality education and interdisciplinary research leading to M.Tech. and Ph.D. degree in GIS and Remote Sensing, which produces globally acceptable skilled manpower. To generate and disseminate knowledge and technologies essential

to the local and global needs in the field of geoinformatics.

List of Laboratories

- (i) Geoinformatics Laboratory -I
- (ii) Geoinformatics Laboratory -II

Courses Run by Department

M. Tech. (GIS & Remote Sensing) and Ph.D. (GIS & Remote Sensing)

Courses in which students were admitted

M. Tech. (GIS & Remote Sensing) and Ph.D. (GIS & Remote Sensing)

List of Ph.D Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Dharamveer Singh	2010RGI02	GIS based Integrated Approach to Study the Climate Change and Its Impact on Water Resources	Prof. R. D. Gupta & Dr. Sanjay K. Jain
2.	Mritunjay Kumar Singh,	2010RGI03	Modelling and Mapping Ground Surface Topography using High Resolution Remote Sensing Data	Prof. R. D. Gupta
3.	Piryanka Singh	2011RGI01	Ownership Assertion and Authentication of Images via Watermarking	Prof Suneeta Agarwal

Publications in International Journals

1. A. Topno, A. K. Singh and R. C. Vaishya, "SCS CN Runoff Estimation for Vindhyachal Region using Remote Sensing and GIS," International Journal of Advanced Remote Sensing and GIS 2015, vol. 4, no. 01, pp. 1214-1223, Article ID Tech-431, 2015.
2. A. Topno, A. K. Singh and R. C. Vaishya, "Land Suitability Analysis for Plantation Using Spatial Technology in Vindhyachal Region," Discovery 2015, vol. 41, no. 187, pp. 40-46, 2015.
3. M. Bandyopadhyay, and V. Singh, "Development of agent based model for predicting emergency response time," Perspectives in Science, vol. 8, pp. 138-141, 2016.
4. M. Pandey, V. Singh, R. C. Vaishya, "Geospatial analysis of disease data in industrial area," The International Daily Journal, vol. 39, no. 178, pp. 82-87, 2015.
5. M. Pandey, V. Singh and R. C. Vaishya, "Geospatial Analysis of Disease Data in Industrial Town of Anpara," Discovery, 2015, vol. 39, no. 178, pp. 82-87, 2015.
6. D. Singh, S. K. Jain, R. D. Gupta, S. Kumar, S. P. Rai, and N. Jain, "Analyses of Observed and Anticipated Changes in Extreme Climate Events," in the Northwest Himalaya. Climate, vol. 4, no. 1, 9, 2016.
7. M. K. Singh, R. D. Gupta, Snehmani, A. Bhardwaj and A. Ganju, "Effect of sensor modelling methods on computation of 3-D coordinates from Cartosat-1 stereo data," Geocarto International, vol. 31, no.5, pp. 506-526, 2016.
8. M. K. Singh, R. D. Gupta, A. Bhardwaj and A. Ganju, "Scenario-based validation of moderate resolution DEMs freely available for complex Himalayan terrain," Pure and Applied Geophysics, vol. 173, no.2, pp. 463-485, 2016.
9. M. K. Singh, R. D. Gupta, Snehmani, S. Kumar, and A. Ganju, "Assessment of freely available CartoDEM V1 and V1. 1R1 with respect to high resolution aerial photogrammetric DEM in high

- mountains," Geocarto International, vol. 31, no.09, pp. 943-955, 2016.
10. P. Singh and S. Agarwal, "A self recoverable dual watermarking scheme for copyright protection and integrity verification," Multimedia Tools and Applications, pp. 1-40, 2016.
 11. S. Agrawal, D. K. Meena and R. D. Gupta, "Comprehensive Review of GIS and Web GIS," Discovery 2015, vol. 41, no.189, pp. 130-135, 2015.
 12. V. K. Purwar, V. Singh and R. C. Vaishya "Geospatial Analysis of Regional Milk Distribution for Allahabad City," Discovery 2015, vol. 39, no. 178, pp. 93-99, 2015.
 13. M. Yadav, A. Husain, A. K. Singh and B. Lohani, "Pole-Shaped Object Detection Using Mobile Lidar Data in Rural Road Environments. ISPRS Annals of Photogrammetry," Remote Sensing and Spatial Information Sciences, vol. 1, 11-16, 2015.
- Selection Behavior: A Case Study of Fire Emergency Vehicles of Allahabad City," proc. of the 4th International Conference on Frontiers in Intelligent Computing: Theory and Applications (FICTA) 2015 Springer India, pp. 667-676, 2015.
2. Y. P. Singh, A. K. Singh and R. P. Singh, "WebGIS based Framework for Citizen Reporting on Collection of Solid Waste and Mapping in GIS for Allahabad City," Sources of Planet Energy, Environmental and Disaster Science: Challenges & Strategies" (SPEEDS-2015) on November 21st -22nd 2015.
 3. R. Dwivedi, V. Singh, O. Dikshit and A. K. Singh, Design of Cost Effective Disaster Monitoring GPS Network, ISPRS WG VIII/1 Workshop on Geospatial Technology for Disaster Risk Reduction, 17th December 2015, Jaipur, India.
 4. A. Yadav, Husain, A. K. Singh and B. Lohani, "3D rural road surface point's detection using mobile LiDAR data for its condition assessment. 3rd Conference of Transportation Research Group of India (3rd CTRG).

Publication in Conferences

1. M. Bandyopadhyay and V. Singh, "Analyzing and Modeling Spatial Factors for Pre-Decided Route

Book(s)/ Book Chapter(s) Authored

SI. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1	M. K. Singh, K. Pakrasi, A. Bhardwaj and A. Ganju	Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment	Monitoring the Status of Siachen Glacier Using Multi Temporal Remote Sensing Approach (pp. 887-891)	Springer International Publishing

Research Project

SI. No.	Principal Investigator/ Co-investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Mr. Ramji Dwivedi	Multi-sensor approach for landslide monitoring	NRDMS (DST)	36,61,200/-	2015-2018 (Ongoing)
2.	Mr. Ramji Dwivedi	A study of slope monitoring using PS-InSAR approach	R&C, MNNIT Allahabad	2,00,000/-	2015-2017 (Ongoing)
3.	Mr. Manohar Yadav	Development of software package for DEM generation and road extraction using LiDAR data	TEQIP-II	2,00,000/-	2014-2015 (Ongoing)
4.	Mr. Manohar Yadav	Development of software package for highway applications using mobile LiDAR data.	R&C, MNNIT Allahabad	2,00,000/-	2015-2017 (Ongoing)

10.10 DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

Vision

To be a provider of nationally competitive, high quality skilled human resource in promotion of socio-economic and development activities, appropriate to the enrichment of quality of life of the common people, along with achieving the target of sustainable growth.

Mission

To inculcate socio-economic and cultural ethos amongst the building young professionals by enhancing their competence and efficiency.

List of Laboratories

- (i). English Language Laboratory

Courses Run by Department

- (i) Master of Social Work
- (ii) Ph.D.

List of Ph.D Thesis Completed

Sl. No	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Upasana Mittal	2012RHU02	An analysis of gap in perceived service quality and it's impact on professional development of students in higher educational institutions	Dr AmbalikaSinha
2.	Sarika Yadav	2009RHU06	A Comparative Study of Industries in Uttar Pradesh and Assam: With Special Reference to Government Policies for Effectiveness of Small Scale Industries.	Dr. Ambalika Sinha
3.	Surendra Kumar	2008RHU03	A Study on Household's Food Security of Wage Workers in Uttar Pradesh, India.	Dr. Rajesh Kumar Shastri

Publication in International Journals

1. L. Srivastava, A. Sinha and G.Yadav, " ATrend Analysis of Trade Imbalance of Indian Balance of Payment (Bop),"PARIPEX - Indian Journal of Research, vol. 5, no. 1, pp. 68-70,2016 (IF=5.22).
2. L. Srivastava, A. Sinha, R. Tripathi, G. Yadav, "A Study on Foreign Exchange Risk Management practices of Indian Banks – With special reference to SBI and HDFC Banks,"Asian Journal of Management Applications and Research,vol. 5, no. 1, pp. 43-47. ISSN 2230 – 8679

3. G. Yadav, A. Sinha and L. Srivastava, "Investment: An opportunities or a Stress for investors in India,"Asian Journal of Management Applications and Research. 5(2). 4-7. ISSN 2230 –8679

Publication in International Conferences

1. A. Sinha, An Appraisal of Social Role Expectations as a Stressor among Working Mothers in India," WASET International Conference, Dubai Feb. 25-26, 2016.

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1	L. Srivastava, A. Sinha and G.Yadav,	D. K. Sharma & M. Sharma, Advances in Management & Decision Science	An Analysis of Capital Structure Pattern of Indian Telecommunication Companies. pp.80-88)	Excellent Publishing House New Delhi: ISBN: 978-93-84935-40-5
2	L. Srivastava, A. Sinha and G. Yadav	A. Dubey, Business Innovations	Corporate Governance Practices For Non Banking Financial Corporation's pp. 65-74).	New Delhi: Research India Publications. ISBN: 978 -93-84443-25-2.
3	G. Yadav, A. Sinha	D. A. Dubey, Business	Technology Initiated Social	New Delhi: Research

and L. Srivastava Innovations Isolation, Stress & India Publication.ISBN:
Suicides in Students(pp. 978-93-84443-25-2
89-98)

10.11 DEPARTMENT OF MATHEMATICS

Vision

Achieving excellence in Teaching–Learning and Research among National and international academic and research organizations to nurture mathematics for engineering and as an independent science.

Mission

Mathematics department will achieve its vision by offering well–balanced curriculum to acquire professional competencies and transferable skills bringing innovations in Teaching-Learning process through effective content delivery and

appropriate assessment methods catalyzing the research activities of both faculty members and students through research projects etc.

Course run by Department

- (i) PG- M.Sc. in Mathematics and Scientific Computing
- (ii) Ph.D.

Course in which students were admitted

- (i) P G - M.Sc. in Mathematics and Scientific Computing
- (ii) Ph.D.

List of Ph.D. Thesis completed

Sl. No	Name of student	Reg. No.	Thesis Title	Supervisor(s)
1.	Amit Mishra	2010RMA01	Some Convective Instability Problems in Fluid Dynamics	Dr. Mukesh Kumar
2.	Jyoti Singh	2009RMA06	A Study on Characteristic Varieties of Filtered Modules and Rees Algebra of t-Rings.	Dr. Shiv Datt Kumar
3.	Stuti Awasthi	2009RMA51	Development of Disjoint Curves, Surfaces and Solids Using B-Spline.	Dr. A. D. Bhatt

Publication in International Journals

1. P. Srivastava and P. Gupta, "A Note on Continued fraction and Mock theta fraction," Kyungpook Mathematical Journal, vol. 56, no 1, pp. 173-184, 2016.
2. J. Singh and S. D. Kumar, "Rees algebra over an ideal in t-rings, Journal of Pure and Applied Algebra," Journal of Pure and Applied Algebra, vol 219, no. 4, pp. 830-838, 2015.
3. S. K. Upadhyay, S. D. Kumar and R. Sridharan, "Connection Between Commutative Algebra and Topology," Indian Journal of pure and applied Mathematics, vol.47, no. 3, pp. 471-489, 2016.
4. M. Balodi and Hua-Lin Huang and S. D. Kumar, "Diamond lemma for the group graded quasi-algebras, Proc. Mathematical Sciences Indian Academy of Sciences, vol. 126, no.3, pp. 341-352, 2016.
5. P. Singh and S. D. Kumar, "Existence of reduction of ideals over semi local rings, The Mathematics Student, Indian Mathematical Society publication, vol. 84, no.1- 2, pp. 95-104, 2015.
6. S. Thota and S. D. Kumar, "On a mixed interpolation with integral conditions at arbitrary nodes, Cogent Mathematics, vol. 3, no. 1, 2016.
7. S. Thota and S. D. Kumar, "Solving system of higher-order linear differential equations on the level of operators," International Journal of Pure and Applied Mathematics, vol. 106, no.1, pp. 11-21, 2016.
8. S. Thota and S. D. Kumar, "On a new symbolic algorithm for polynomial interpolation with integral conditions," TWMS Journal of Pure and Applied mathematics, 2016.
9. P. Singh and S. D. Kumar, "Existence of reduction of ideals over semi local rings," The Mathematics Student, vol. 84, no.1-2, 2015.

10. M. Kumar and G. Mishra, "Numerical simulation of Plateau's problem of minimal surfaces using nonvariational finite element method," *Engineering Computations, Emerald Journal*, vol. 33, no. 5, pp. 1490–1507, 2016.
11. M. Kumar and Parul, "Multiple-Scales Method and Numerical Simulation of Singularly Perturbed Boundary Layer Problems," *Journal of Applied Mathematics & Information Sciences*, vol. 10, no. 3, pp. 1-9, 2016.
12. M. Kumar and N. Yadav, A. Yadav and J. H. Kim, "An efficient algorithm based on artificial neural networks and particle swarm optimization for solution of nonlinear Troesch's problem," *Neural Computing and Applications*, pp. 1-8, 2015.
13. M. Kumar and S. Tiwari, "An Initial Value Technique to Solve Two-Point Non-Linear Singularly Perturbed Boundary Value Problems," *International Journal of Applied and Computational Mathematics*, vol.14, no. 2, pp.150-157, 2015.
14. M. Kumar and A. K. Singh, "Multi-peak Solutions of Non-linear Elliptic Singularly Perturbed Reaction-Diffusion Equations using Finite Element Simulation," *Journal of the Taiwan Institute of Chemical Engineers*, vol. 50, pp. 56–68, May 2015.
15. M. Kumar and N. Yadav, "Numerical Solution of Bratu's Problem Using Multilayer Perceptron Neural Network Method," *National Academy Science Letters*, vol. 38, no. 5, pp. 425–428, 2015.
16. M. Kumar and A. Srivastava and T. D. Todorov, "A Ninth-Order Convergent Method for Solving the Steady State Reaction-Diffusion Model," *Computational Mathematics and Modeling*, vol. 26, no. 4, 2015.
17. M. Kumar and A. K. Singh and A. Srivastava, "A New Fifth-Order Derivative Free Newton-type method for Solving Nonlinear Equations," *Journal of Applied Mathematics & Information Sciences*, vol. 9, no. 3, pp. 1507-1513, 2015.
18. M. Kumar and S. Pandit, "An efficient algorithm based on Haar wavelets for numerical simulation of Fokker-Planck equations with constants and variable coefficients," *International Journal of Numerical Methods for Heat & Fluid Flow*, vol. 25 no. 1, pp. 41–56, 2015.
19. M. Kumar S. Pandit S. Tiwari, "Numerical Simulation of Second-Order Hyperbolic Telegraph Type Equations with Variable Coefficients," *Computer Physics Communications*, vol. 187, pp. 83–90, 2015.
20. D. Bhati and P. Singh, "Optimality criteria for sum of fractional multi-objective optimization problem with generalized invexity" *Turkish Journal of Mathematics*, vol. 39, pp. 900-912, 2015.
21. S. Kumar, P. Singh, P. Singh, S. Biswal, M. P. Parija, "Frequency dependent attenuation characteristics of coda waves in the Northwestern Himalayan (India) region," *Journal of Asian Earth Sciences*, vol. 117, pp. 337-345, 2016.
22. D. Bhati and P. Singh "Branch and Bound Computational Method for Multi-objective Linear Fractional Optimization Problem" *Neural Computing and Applications*, pp. 1-11, 2016.
23. P. Singh, S. Kumari and P. Singh, "Fuzzy efficient interactive goal programming approach for multi-objective transportation problems," *International Journal of Applied and Computational Mathematics*, pp. 1-21, 2016.
24. M. Kumar, R. Kumar and A. Kumar, "Some more similarity solutions of the (2+1)- dimensional BLP system," *Mathematics with Applications*, vol. 70, no. 3, pp. 212-221, 2015.
25. A. Mishra and M. Kumar, "A weekly non linear stability analysis of heat transport in anisotropic porous cavity under Time Periodic temperature modulation," *Journal of Applied Fluid Mechanics*, vol. 8, no. 4, pp. 815-824, 2015, (IF= 0.726).
26. G. Nath and A. K. Sinha, "Magnetogasdynamic shock waves in non-ideal gas under gravitational field-isothermal flow," *Int. J. Appl. Comp. Maths*, 2015.
27. G. Nath, "Propagation of a spherical shock wave in mixture of non-ideal gas and small solid particles under the influence of gravitational field with conductive and radiative heat fluxes," *Astrophysics and Space Science* vol. 361, pp. 31-45, 2015 (IF = 2.263).
28. G. Nath and A. K. Sinha, "Non-similarity solution for shock waves in a rotational axisymmetric gas with magnetic field and density varying exponentially," *Journal of Engineering Physics and Thermophysics*, 2015.

29. G. Nath, "Similarity solution for the flow behind an exponential cylindrical shock wave in axisymmetric rotating mixture of non-ideal gas and small solid particles Indian Journal of Physics, vol. 90, no. 9, pp.1055-1068, 2016 (IF= 1.37).
30. G. Nath and J. P. Vishwakarma, "Propagation of a strong spherical shock wave in a gravitating or non-gravitating dusty gas with exponentially varying density," Acta Astronautica, vol. 123, pp. 200–212, 2015 (IF =1.122).
31. G. Nath and J. P. Vishwakarma, "Magnetogas-dynamic spherical shock wave in a non-ideal gas under gravitational field with conductive and radiative heat fluxes," Acta Astronautica, 2016(IF =1.122).
32. G. Nath and P. K. Sahu, "Similarity solution for the flow behind a cylindrical shock wave in a rotational axisymmetric gas with magnetic field and monochromatic radiation," Ain Shams Eng. Journal, 2016.
33. S. Tiwari and M. Kumar, "An initial value technique to solve two-point non-linear singularly perturbed boundary value problems," Appl. Comput. Math., vol.14, no.2, pp. 150-157, 2015.
34. S. Tiwari and M. Kumar and S. Pandit, "Numerical simulation of second-order hyperbolic telegraph type equations with variable coefficients," Comp. Phy. Commun, vol. 187, pp. 83–90, 2015.
4. G. Nath, P. K. Sahu and M. Dutta, "Magneto hydrodynamic cylindrical shock in a rotational axisymmetric non-ideal gas under the action of monochromatic radiation," proc. Int. Conf. on Computational Heat and Mass Transfer, NIT Warangal, India, , vol. 127, pp.1126-1133, Nov. 30-Dec 2, 2015.

Invited Lecture Delivered

1. P. Srivastava delivered an invited talk on "Soft Computing Diagnostic system for Diabetes," in the National Conference in recent Development in Mathematical Analysis and its Application at Pondicherry University during Feb 25-26, 2016.
2. P. Srivastava delivered an invited talk on Soft Computing Risk Assessment modal for Coronary Heat at Fatima College Madurai on Dec. 22, 2015.
3. P. Srivastava delivered an invited talk on Design and Development of soft computing Diagnostics system for identification of a Disease in International Conference on Mathematicas 2015 at University of Kerla Nov- 26-28, 2015.
4. S. D. Kumar delivered invited talk on "Mathematics behind present technology" and Chaired a session in the National conference on "Mathematical and Statistical Techniques and their Applications to Science and Engineering" during November 20-21, 2015 in the 31st Annual conference of the Mathematical Society BHU on MSTASE-15 was organized by DIT University Dehradun on Nov.20-21 , 2015.
5. S. D. Kumar delivered invited talk on "An Elementary Approach to Ideas & Methods in Mathematics and its Applications "on February 18, 2016 in the "Motivational Science Learning Camp" at CMDR, MNNIT, Allahabad during Feb. 17-21, 2015.
6. M. Kumar delivered a series of four lectures in short term course during May 18-22, 2015 at Department of Mathematics & Mechanical Engineering, Maulana Azad National Institute of Technology Bhopal (M.P).
7. M. Kumar Delivered an invited talk on "Application of Higher Order Newton-type Iterative Methods in Finite Element Simulation of Nonlinear Elliptic Partial Differential Equations" in International Conference on Current Trends in PDEs: Theory &
1. S. Thota and S. D. Kumar, "A new method for general solution of system of higher-order linear differential equations," International Conference on Inter Disciplinary Research in Engineering and Technology at Delhi, pp. 240-243, 2015.
2. S. D. Kumar and P. Singh, "Reduction of ideals over semilocal Noetherian rings," National conference of Ramanujan Mathematical Society IISER Mohali during May 15-17, 2015.
3. G. Nath and P. K. Sahu, "Unsteady adiabatic flow behind a cylindrical shock in a rotational axisymmetric non-ideal gas under the action of monochromatic radiation," proc. of ICOVP 2015, 12th International Conference on Vibration Problems, December 14-17, 2015, IIT Guwahati, India, Procedia Engineering vol. 144, pp.1226–1233, 2016.

Computations, held at South Asian University, New Delhi during Dec. 28-30. 2015

Invited lecture Organized

1. Organized one expert lecture on “Mathematical modelling in Colloid Science” by Prof. Anatoly N. Filippov from Department of Higher Mathematics, Gubkin Russian State University of Oil and Gas, Leninsky prospekt, Moscow, Russia.

10.12 DEPARTMENT OF MECHANICAL ENGINEERING

Vision

To be a centre of excellence in Mechanical Engineering education and research for the benefit of global society and humanity.

Mission

To educate and develop human resources for Industry, academia and research and development. To push the frontiers of search skills in graduates and develop new paradigms in research for PG and Ph. D. programs.

To develop products, processes and technology for the benefit of the society in collaboration with industry and commerce.

To enhance the efforts for preparing job ready engineers and competent entrepreneurs.

List of Laboratories

- (i) Machine Tools And Advanced Machining Laboratory
- (ii) Materials Characterization Laboratory
- (iii) Machine Elements Laboratory
- (iv) Mechanical System Design Laboratory
- (v) Computer Aided Design Laboratory
- (vi) Computer Aided Manufacturing Laboratory
- (vii) Instrumentation Laboratory
- (viii) Automobile Engineering Laboratory

List of Ph.D. Thesis Completed

Sl. No.	Name of student	Reg. No.	Theses Title	Name of Supervisor(s)
1.	Syed Abbas Ali	2010RME10	Cylinder pressure estimation for SI engine using crankshaft speed fluctuations, Awarded in October 2015	Dr. S. Saraswati
2.	Jitendra Kumar	2007RME06	A Systematic Approach for Modeling and Analysis of Supply Chain Network	Dr. Nirjhar Roy
3.	Rupesh Goyal	2009RME52	Experimental Modeling and Optimization of Hole Characteristics in Laser Trepan Drilling of Advanced Difficult-to-Cut Materials.	Dr. A. K. Dubey and Dr. P. K. Mishra

- (ix) Internal Combustion Engine Laboratory
- (x) Heat And Mass Transfer & Solar Energy Laboratory
- (xi) Mechatronics and Virtual Instrumentation Laboratory
- (xii) Product Design and Manufacturing Laboratory
- (xiii) Computational and Industrial Engineering Laboratory
- (xiv) Refrigeration and Air Conditioning Laboratory
- (xv) Steam Engine Laboratory
- (xvi) Metrology Laboratory

Courses run by Department

U.G. Programmes

- (i) B.Tech. (Mechanical Engineering)
- (ii) B.Tech. (Production and Industrial Engineering)

P.G. Programmes

- (i) M.Tech. (Design Engineering)
- (ii) M.Tech. (Production Engineering)
- (iii) M.Tech. (Computer Aided Design and Manufacturing)
- (iv) M.Tech. (Product Design and Development)
- (v) M.Tech. (Thermal Engineering)

Ph.D. programmes

Courses in which students were admitted

- (i) B.Tech. (Mechanical Engineering) : 145
- (ii) B.Tech. (Production and Industrial Engg): 49
- (iii) M.Tech. (Design Engineering) : 22
- (iv) M.Tech. (Production Engineering) : 23
- (v) M.Tech. (Computer Aided Design and Manufacturing) : 21
- (vi) M.Tech. (Product Design and Development) : 21
- (vii) M.Tech. (Thermal Engineering) : 20
- (viii) Ph.D. in Mechanical Engineering

4.	Vijay Kumar Dwivedi	2008RME16	Analysis of Hybrid (Hydrostatic / Hydrodynamic) Journal Bearing.	Dr. K. N. Pandey and Dr. Satish Chand
5.	Jyoti Vimal	2008RME02	Some Studies on Free Vibration Analysis of Functionally Graded Plates.	Dr. R. K. Srivastava and Dr. A. D. Bhatt
6.	Lokesh Singh	2010RME57	Material Based Meshing of Functionally Graded Materials	Dr. A. D. Bhatt
7.	Manoj Kumar Gupta	2012RME55	Investigations on Hybrid Jute/ Sisal Fibre Reinforced Epoxy Composite	Dr. R. K. Srivastava

M. Tech. Thesis Completed

Computer Aided Design and Manufacturing Engineering

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1.	Sube Singh	2013CC05	Selection of cell phone based on their features-an integrated approach	Prof. P. K. Mishra
2.	Aftab Alam	2013CC03	Segmentation of point cloud data	Dr. Vandana Agrawal
3.	Ankit Khare	2013CC09	Case study of an entrepreneur and its sap – lap analysis	Dr. S. K. Poddar
4.	Sudhir Kr. Verma	2013CC08	Construction of triangular faceted model	Dr. Vandana Agrawal
5.	Mohit Kumar Wagdre	2013CC18	Solidification and thermal analysis of aluminium alloy casting with different sand moulds	Dr. J. C. Mohanta & Dr. Bireswar Paul
6.	Deepak singh	2013CC07	Some studies on dynamics of roller chain drive	Dr. Skylab Paulas Bhore
7.	Bhupendra Pratap Sharma	2013CC01	Nonlinear dynamics of gear drive	Dr. Skylab Paulas Bhore
8.	Nisha Agrahari	2013CC19	Experimental study of modified solar water heating system	Dr. Rahul Dev
9.	Amarjeet Kumar	2013CC10	Development and characterization of ncr and cr3c2-nicr coatings on sae 387g5 steel using d-gun spray process	Dr. S. B. Mishra
10.	Santosh Kumar Pandey	2013CC17	Multilinear elastic stress analysis lap joint bonded with polymer nanocomposite adhesive	Dr. D. K. Shukla & Er. S. K. Gupta
11.	Nitesh Gupta	2013CC13	Agent-based supply chain modeling using anylogic software	Dr. V. R. Komma Manish Gupta
12.	Govind Varshney	2013CC14	Linearized neural model for turbocharged diesel	Dr. Samir Saraswati
13.	Amit Katiyar	2013CC20	Modeling and simulation of magnetic abrasive finishing for thermal analysis	Dr. V. R. Komma
14.	Ajay Singh	2013CC06	Numerical study of convection heat transfer using nano fluid in the developing region of atube flow	Dr. Bireswar Paul
15.	Subhas Singh	2013CC02	Three dimensional finite element thermal analysis of creep feed deep surface grinding	Dr. Audhesh Narayan

Production Engineering

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1.	Rahul Pratap Singh	2013PR 04	Feasibility of cogeneration in ships	Prof. Ravi Prakash

2.	Jitendra Singh	2013PR11	Selection of feasible driver for implementation of green manufacturing in industry	Prof. P. K. Mishra
3.	Bhupendra Kumar Sahu	2012PR20	An integrated approach for supplier selection :using multi criteria decision making technique	Dr. S. K. Poddar
4.	Hari Om Maurya	2013PR15	Short sisal fibre reinforced epoxy composite composite : fabrication mechanical and wear properties	Er. Manoj Kumar Gupta
5.	Himanshu Bisaria	2013PR21	Manufacturing of short jute fibre reinforced epoxy composite : mechanical and wear beha viour	Dr. Pragya Shandilya & Er. Manoj Kumar Gupta
6.	Sanjesh Kumar	2013PR22	Analysis of enablers for implementation of green supply chain management in indian manufacturing industry	Dr. M. K. Khurana
7.	Amit Kumar	2013PR03	Application of taguchi method and anova analysis for selection and optimization of superfinishing parameters	Dr. M. K. Khurana
8.	Gaurav Badoni	2013PR17	Experimental analysis and optimization of static and dynamic characteristics of mig welded aluminum alloy 6061-t6 using rsm	Dr. J. C. Mohanta
9.	Vineet Kumar Yadav	2013PR05	Parametric study of laser percussion drilling of advanced ceramics	Dr. A.K. Dubey
10.	Shristee Chauhan	2013PR06	Optimization of stereolithography process parameters for part strength using genetic algorithm	Dr. Rajeev Srivastava
11.	Manavendra Mishra	2013PR01	Role of CR ₃ C ₂ -nicr coating for improvement of erosion resistance of hydro power plant components	Dr. S.B. Mishra
12.	Abhinav Tripathi	2013PR02	Finite element analysisof void and resin flow in vartm	Dr. Mukul Shukla
13.	Anil Kumar	2013PR13	Ateaching learning based optimization approach applied to the advance machining problems	Dr. Pragya Shandilya
14.	Om prakash Gupta	2013PR10	Development and performance study of drilling ecsmm setup	Prof. Vinod Kumar Yadava
15.	Vijay Kumar Manjhi	2013PR07	Barkhausen noise analysis (bna) setup fabrication and singal analysis of ferromagnetic steel	Er. Binayaka Nahak
16.	Vijay Kumar Ratre	2013PR18	Experimental study of titanium and nicked coated sheet using sheet hydroforming (shf) setup	Er. Binayaka Nahak

Design Engineering

Sl. No.	Name of Student	Reg. No.	Thesis Title	Name of Supervisor(s)
1.	Sujeet Kumar	2013DN24	Grid independent building design	Dr. Ravi Prakash
2.	Atul Kumar Sharma	2013DN25	Self – healing of epoxy polymer using dicyclopentadiene microcapsules	Dr. D. K. Shukla

3.	Vishal Rai Chhindra	2013DN27	Experimental study avd thermal beha viour of ferro cement web sandwich panel for practical applications	Dr. Rahul Dev
4.	Keshav Yadav	2013DN18	Experimental study of solar dryer for domestic applications	Dr. Rahul Dev
5.	Mahesh Sharma	2013DN15	Experimental investigation of tensile properties and fracture toughness of silica-epoxy polymer nanocomposites	Dr. R. K. Patel
6.	Manish Kumar Singh	2013DN13	Fracture strength in cleavage of epoxy/alumina nanocomposite adhesives in bonded metal joints	Dr. D. K. Shukla & S. K. Gupta
7.	Satyendra Kumar Mishra	2013DN20	Inverse determination of heat source during friction stir welding process	Dr. K. N. Pandey & R. K. Patel
8.	Raghvendra Kumar Bais	2013DN16	Fatigue life investigation of gas turbine blade under thermo-mechanical condition	Dr. K. N. Pandey
9.	Uday Khakha	2013DN10	Reverse engineering of functionally graded objects	Dr. A. D. Bhatt

Product Design and Development Engineering

Sl. No.	Name of student	Reg. No.	Thesis Title Name	Name of Supervisor(s)
1.	Himanshu Bisht	2013PD02	Role of attitude as a predictor for entry into self employment.	Dr. S. K. Poddar
2.	Km. Afsana	2013PD12	Finite element analysis of laser beam percussion drilling of tbc superalloy.	Prof. Vinod Yadava
3.	Abhishek Mishra	2013PD04	Process optimization and estimation of machining performance using tlbo technique in wedm.	Dr. Pragya Shandilya
4.	Abhishek Kumar Vishwakarma	2013PD03	Experimental invvestion of performance and emissions of mpfi si engine using ethanol and hydrous ethanol and hydrous ethanol blends.	Er. J. N. Gangwar
5.	Shraddha Bhatt	2013PD07	Implementation of mass customization in smes.	Prof. Rakesh Narain
6.	Anurag Srivastava	2013PD01	Fault diagnossof gerbox.	Dr. P. K. Agarwal
7.	Shashank Shukla	2013PD14	Neural network based method for surface reconstruction.	Dr. P. K. Agarwal
8.	Arvind Kumar Madheshiya	2013PD10	Energy input/ output analysis of biodiesel fulled multi-cylinder diesel engine.	Er. J. N. Gangwar
9.	Bansi Dalsania	2013PD05	Bus desingn considering passenger comfort and safety as a means of urban transport.	Dr. H. S. Goyal
10.	Sandeep Kumar Patel	2013PD21	Study of vibration energy harvesting by piezoelectric material of varying shapes.	Prof. R. K. Srivastava & Dr. Rajeev Sirvastava

Publications in International Journals

1. A. K. Nayak and R. Dev, "Experimental Analysis of Modified Double Slope Solar Still," Int. J of Research in Engineering and Technology (IJRET), pp.1-26, 2016 (IF=1.9586).
2. K. Gupta, K. N. Pandey and R. Kumar, "Artificial Intelligence Based Modeling and Multi-Objective Optimization of Friction Stir Welding of Dissimilar AA5083-O and AA6063-T6 Aluminum Alloys," proc. IMechE Part L: J Materials: Design and Applications, pp. 1-10, 2016.

3. S. K. Gupta, K. N. Pandey and R. Kumar, "Multi-Objective Optimization of FSW Process Parameters for Joining of Dissimilar AA5083/AA6063 Aluminum Alloys using Hybrid Approach," *proc. IMechE Part L: J Materials: Design and Applications*, pp. 1-11, 2016.
4. S. K. Gupta, K. N. Pandey and R. Kumar, "Comparison of ANN and Regression Modeling for Predicting the Responses of Friction Stir Welded Dissimilar AA5083-AA6063 Aluminum Alloys Joint," *Applied Mechanics and Materials*, vol. 813-814, pp. 415-419, 2015.
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6. D. Kumar and K. N. Pandey, "A finite element simulation of the stress intensity factors in a plate with pre-cracked edge before and after coatings subjected to thermal loading, *International Journal of Computational Materials Science and Surface Engineering*," (IJCMSSE) 2015, vol.6, no.2, 75-96, 2015.
7. D. Kumar and K. N. Pandey, "Optimization of the process parameters in generic thermal barrier coatings using the Taguchi method and grey relational Analysis," *Proceedings of the iMechE*, Part L: *Journal of Materials: Design and Applications*, doi: 10.1177/1464420715602727.SCI, 2015.
8. D. Kumar and K. N. Pandey, "Study on dry sliding wear characteristics of air plasma spraying (APS) deposited CoNiCrAlY intermetallic coatings on aluminium alloy substrate," *International Journal of Surface Science and Engineering*, vol. 10, no. 3, 2016.
9. D. Kumar, K. N. Pandey and D. K. Das, "Thermal cyclic resistance behavior of Inconel 800 super alloy substrate with thermal barrier coatings by plasma spraying," *Materials Today: Proceedings*, vol. 2, no. 4-5, pp. 3156-3160, 2015.
10. D. Kumar, K. N. Pandey and D. K. Das, "Characterization of air plasma based &YSZ aluminum alloys thermal barrier systems for hot zone," *proc. iMechE, Part L: Journal of Materials: Design and Applications*, 2016.
11. M. Manikandan, S. Saraswati and A. K. Krishnan, "CFD analysis of fluid flow inside a pent roof combustion chamber with different piston shapes," *International Journal of Vehicle Design*, Inderscience Publications, 2016 (IF= 0.41).
12. G. Kushwaha, S. Saraswati and B. Paul, "Effect of different lubricating oil on the adsorption/desorption process of fuel in oil layer in an SI engine," *Lubrication Sciences*, Wiley, 2016 (IF= 1.031).
13. S. A. Ali and S. Saraswati, "A comparison of Sliding Mode and FRF based Observers for cylinder pressure estimation of SI engine," *Transactions of the Institute of Measurement and Control*, SAGE Publications, 2015 (IF= 0.962).
14. S.A. Ali and S. Saraswati, "Cycle by Cycle estimation of IMEP and Peak Pressure using Crankshaft Speed measurements," *Journal of Intelligent & Fuzzy Systems*, vol. 28, no. 6, pp. 2761-2770, 2015 (IF=1.812).
15. S. A. Ali and S. Saraswati, "Cycle by Cycle prediction of cylinder pressure and indicated torque using Crankshaft Speed fluctuations," *Transactions of the Institute of Measurement and Control*, SAGE Publications, vol. 37, no. 6, pp. 813-825, 2015 (IF=0.962).
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 21. S. Sunder and V. Yadava, "Development and Experimental Study of Surface-Electrical Discharge Diamond Grinding of Al-10 wt% SiC Composite," Journal of the Institution of Engineers (India): Series C, vol. 97, no.1, pp. 1-9, 2016.
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 25. R. N. Yadav and V. Yadava, "Artificial Neural Network Modelling of Erosion-Abrasion based Hybrid Machining of Aluminium-Silicon Carbide-Boron Carbide Composite," International Journal of Engineering Systems Modelling and Simulation, 2016.
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 52. M. K. Gupta and R. K. Srivastava, "A review on characterization of hybrid fibre reinforced polymer composite," American Journal of Polymer Science and Engineering, vol. 4, pp. 1-7, 2016.
 53. M. Agarwal and R. Srivastava, "Influence of solid fraction casting on microstructure of aluminium alloy 6061," Materials and Manufacturing Processes, Taylor and Francis, 2016.
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Publications in National Conferences

1. R. Dev, S. Lal and R. Prakash, "Design and Performance Study of Modified Solar Greenhouse Dryer," *National Conference on Product Design and Manufacturing (NCPDM 2015)*, Sponsored by TEQIP II, MNNIT Allahabad, Nov. 21 - 22, 2015.
2. N. Agrahari, K. Tewari and R. Dev, "Design of Modified Solar Water Heating System," *National Conference on Product Design and Manufacturing (NCPDM 2015)*, Sponsored by TEQIP II, MNNIT Allahabad, Nov. 21-22, 2015.
3. P. Pal, P. Yadav and R. Dev, "Design of Modified Basin Type Double Slope Multiwick Solar Still," *National Conference on Product Design and Manufacturing (NCPDM 2015)*, Sponsored by TEQIP-II, MNNIT Allahabad, Nov. 21-22, 2015.
4. M. Sharma and R. Dev, "Performance Analysis of Solar Powered Organic Rankine Cycle for Different Pressure Ratios," *National Conference on Product Design and Manufacturing (NCPDM 2015)*, Sponsored by TEQIP-II, MNNIT Allahabad, Nov. 21 - 22, 2015.
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7. A. K. Yadav and R. Srivastava, "Green Composite (Wood Plastic Composite) for Engineering Applications" *National Conference on Advances in Material Design and Manufacturing (AMDM-2016)*, Allen house Institute of Technology, Kanpur, Jan. 30-31, 2016.
8. K. K. Sharma, S. K. Duggal and D. K. Shukla, "Effect of addition of Nanoalumina on Properties of Cement Mortar" *Innovative Building Materials & Technology for sustainable Constructions (BMTSC-2015)*, pp. 55-58, Aug. 22-23, 2015.
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1. K. Tewari and R. Dev, "Performance Analysis of Modified Solar Water Heating System for Climatic Condition of Allahabad, India," ICEESD 2016: 18th International Conference on Energy, Environment and Sustainable Development to be held in Paris, France, Jan.21-22, 2016.
2. P. Pal and R. Dev, "Experimental Study on Modified Double Slope Solar Still and Modified Basin Type Double Slope Multiwick Solar Still," ICEESD 2016 : 18th International Conference on Energy, Environment and Sustainable Development, Paris, France, Jan. 21-22, 2016.
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5. S. Lal, R. Dev and A. Sharma, "Heat Extraction Mechanism To Maintain Electrical Efficiency of a Single Solar Cell," Global Conference on Renewable Energy (GCRE-2016) NIT Patna, India, March 04-06, 2016.
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14. R. S. Yadav and V. Yadava "Development and Comparative Study of Electro-Discharge Abrasive Face Surface Grinding, Electro-Discharge Face Surface Grinding and Electro-Discharge Machining," proc. of 9th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015), IIT Bombay, Dec. 2015.
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17. P. Singh, V. Yadava and A. Narayan, "Development and Experimental Study of Ultrasonic Assisted Hole Sinking Micro-EDM," Proc. of International Conference on Advanced and Agile Manufacturing Systems (ICAM-2015), KNIT Sultanpur, pp. 146-150, Dec. 2015.
18. V. Kumar and V. Yadava, "Experimental Study of Milling Electro-Chemical Spark Machining (M-ECSM) Process on Borosilicate Glass," Proc. International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015), IIT, Bombay, Dec. 2015.
19. A. Singh and V. Yadava, "Axial Vibration Assisted Cylindrical-Magnetic Abrasive Finishing on AISI202SS tubes," Proc. 9th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2015), IIT Bombay, Dec. 2015.
20. A. Singh, V. Yadava and V. R. Komma, "Experimental Perspective of Electrolytic Magnetic Abrasive Machining," A Review, Proc. of the 2nd International Conference on Advancements and Recent Innovations in Mechanical, Industrial and Production Engineering (ARIMPIE-2016), ITS Engineering College, Greater Noida, vol. 2, pp. 247-251, 2016.
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25. D. Husain and R. Prakash, "Energy Efficient Design of an Institutional Building in India," Global Conference on Renewable Energy (GCRE), NIT Patna, March 04-06, 2016.
26. D. Singh and R. Prakash, "Energy Simulation of Roof Top Solar PV System for an Educational Building in India," Global Conference on Renewable Energy (GCRE), NIT, Patna during March 04-06, 2016.
27. P. K. Shrivastava and A. K. Dubey, "Comparison of Artificial Neural Model and Response Surface Model during EDAG of Metal Matrix Composite," 2015 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM2015), pp.165-169, 2015.
28. A. Katiyar and V. R. Komma, "3-Dimensional Modeling and Simulation of Magnetic Abrasive Finishing for Transient Thermal Analysis," Proc. International Conference on Precision, Meso, Micro and Nano Engineering (COPEN9), Department of Mechanical Engineering, Indian Institute of Technology (IIT) Bombay, India, Dec. 10-12, 2015.
29. M. K. Gupta and R. K. Srivastava, "Effect of sisal fibre loading on mechanical properties of jute fibre reinforced epoxy composite," International Conference on Advances in Mechanical, Aeronautical and Production Techniques (MAPT), G Tower Hotel, Kuala Lumpur, Malaysia, Sept. 26-27, 2015.
30. H. Maurya, M. K. Gupta, R. K. Srivastava and H. Singh, "Study on the mechanical properties of epoxy composite using short sisal fibre," ICMPC 2015, Hyderabad. Published in, Materials Today, vol. 2, pp. 1347-1355, 2015.
31. H. Bisaria, M. K. Gupta, P. Sandilya and R. K. Srivastava, "Effect of fibre length on mechanical properties of randomly oriented short jute fibre reinforced epoxy composite," ICMPC 2015, Hyderabad. Published in, Materials Today, vol. 2, pp. 1193-1199, 2015.
32. B. Nahak, V. K. Manjhi, N. Tiwari, P. Sonker and M. K. Gupta, "Experimental investigation of noise of steels using Barkhausen Noise Analyzer," International Conference on Advanced and Agile

- Manufacturing Systems (ICAM-2015), KNIT Sultanpur, Uttar Pradesh, India, Dec. 28-29, 2015.
33. S. S. Rana, M. K. Gupta and R. K. Srivastava, "Effect of variation in frequencies on dynamic mechanical properties of short sisal fibre reinforced epoxy composite," International Conference on Materials Processing & Characterization (ICMPC) Hyderabad, Published in, Materials Today, March, 12-13, 2016.
 34. K. Rohit and M. K. Gupta, "Multi layers glass fibre reinforced epoxy composite: Dynamic mechanical analysis," International Conference on Materials Science & Technology (ICM Tech-2016), University of Delhi, India, March 01-04, 2016.
 35. Md. Avesh and R. Srivastava, "Parametric study on the performance of active suspension system for variable passenger size and repeated road bumps," Proc. of 10th International Conference on Intelligent Systems and Control (ISCO-2016), Karpagam College of Engineering, Coimbatore, pp. 778-783 , Jan. 2016.
 36. N. K. Dixit, R. Srivastava and R. Narain, "Dimensional Accuracy Improvement of Part Fabricated by Low Cost 3D Open Source Printer for Industrial Application," Proc. of 10th International Conference on Intelligent Systems and Control (ISCO-2016), Karpagam College of Engineering, Coimbatore, pp. 462-467, Jan. 2016.
 37. M. Agarwal and R. Srivastava, "Dry sliding wear behavior study of LM6 aluminum alloy fabricated by solid fraction casting method," All India Manufacturing Technology, Design and Research Conference (AIMTDR 2016), College of Engineering, Pune, Dec. 2015.
 38. S. Haq and R. Srivastava, "Investigations of wood thermoplastic composites for sustainable product applications," Discovery 2015, GCCT-2015MNNIT Allahabad, India, vol. 39, no. 176, pp. 08-14, Oct 09-11, 2015 .
 39. A. Kumar and P. Shandilya, "Optimization of process parameters of advanced manufacturing process using TLBO approach," International Conference on Precision, Meso, Micro, and NanoEngineering, IIT Bombay, India, Dec. 10-12, 2015.
 40. A. Kumar, P. K. Yadav and M. K. Khurana. "Modelling and optimization of Gas metal arc welding using Response Surface Methodology" 2nd International Conference on Advancements and Recent Innovations in Mechanical, Production and Industrial Engineering, ITS Engineering College Greater Noida . Published in Elk Asia Pacific Journals, March 15, 2016.
 41. S. K. Gupta, D. K. Shukla and A. Agrawal, "Finite Element Modeling of Polymer Nanocomposites as an Adhesive," International Conference on Advances in Materials, Manufacturing and Applications, NIT Tiruchirappalli, India, April 09-11, 2015.
 42. S. K. Gupta and D. K. Shukla, "Effect of surface roughness on shear strength of adhesively bonded metal joints," International Conference and Technology Meet on Military and Marine Applications, Pune, India, May 23-25, 2015.

Patent : NIL

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Mukul Shukla	(i) Journal of Materials and Design (Elsevier) (ii) Journal of Process Mechanical Engineering - iMechE- Part E (iii) Machining Science and Technology (Taylor and Francis) (iv) International Journal of Advanced Manufacturing Technology (Springer) (v) Waste Management
2.	Dr. Rajeev Srivastava	(i) Journal of material research and technology- Elsevier
3.	Dr. Rahul Dev	(i) Energy (Elsevier) (ii) Applied Energy (Elsevier) (iii) Solar Energy (Elsevier)
4.	Dr. Manoj K. Gupta	(i) Journal of Silicon (SCI Springer)
5.	Dr. Skylab P. Bhore	(i) Journal of Nonlinear Dynamics (Springer)

(ii) Journal of Sound and Vibration (Elsevier)

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Dr. P. Shandilya	DAAAM International Scientific Book 2015	Chapter 23: Machining of metal matrix composites by EDM and its variants Page no. 267-282	DAAAM International, ISBN 978-3-902734-05-1, ISSN 1726-9687, Vienna, Austria DOI:10.2507/daam.scibook.2015.23

Conference/ Workshop/ Short Term Course organized

Sl. No.	Conference/ Workshop/ Short Term Course	Chair/ Co-chair/ Coordinator	Month & Year
1.	Self-Financed Short Term Course on "Product Design with Autodesk Inventor"	Dr. Mukul Shukla , Dr. Samir Saraswati	May 4 - 9, 2015
2.	Self-Financed Short Term Training Program on "Robotics and Automation"	Prof. K. N. Pandey, Dr. J. C. Mohanta	June 8 - 12, 2015
3.	Self-Financed Short Term Course on "Matlab based Optimization and Statistical Data Processing",	Dr. Mukul Shukla Dr. Samir Saraswati	June 12 - 17, 2015
3.	Global MNNIT Alumni Convention	Dr. A. K. Dubey (as Convener)	November 07 – 08, 2015
4.	National Conference on Product Design and manufacturing	Dr. A. K. Dubey (as Organizing Secretary) Dr. K. N. Pandey (as Convener)	November 21 – 22, 2015
5.	International Conference on "Translational Biotechnology" (BioSangam-2016) MNNIT All.	Manish Gupta	Feb 4-6, 2016

Invited Lectures Delivered

1. A lecture on Laser Manufacturing has been delivered on April 17, 2015 in "Research Week – 2015" organized by Gujarat Technological University, Ahmedabad during March-April, 2015.
2. A lecture on Laser Beam Machining has been delivered on June 11, 2015 in TEQIP II sponsored Short Term Course on "Advanced Manufacturing Technology" organized by Mechanical Engineering Department, G B Pant Engineering College Paurhi, Uttarakhand during June 8-12, 2015.
3. A lecture on Advances in Materials Processing has been delivered on August 22, 2015 in "Faculty Development Programme" organized by S. P. Memorial Institute of Technology Allahabad.

Mechanical Engineering Department MNNIT Allahabad

2. D. Mukhopadhyay, Territory Manager for SANDVIK COROMANT, India, Pune on 'Developments taking place in the area of cutting tools' (Date: 07/08/15)
3. N. E. Prasad, Director DRDO Defence Materials and Store Research and Development Establishment (DMSRDE), Kanpur delivered an invited talk on "Advanced Aero Engineering Materials and their production technologies" November 21, 2015 during National Conference of Product Design and Manufacturing held during November 21-22, 2015.
4. Prof. P. V. Rao, Professor Mechanical Engineering Department IIT Delhi delivered an invited talk on "Advances in Manufacturing" on November 21, 2015 during National Conference of Product Design and Manufacturing held on November 21-22, 2015.
5. Prof. A. P. Harsha, Prof. Mechanical Engineering Department IIT (BHU) Varanasi delivered an invited talk on "Bio Tribology" on November 22, 2015

Invited Lectures Organized

1. H. Kumar and A. Kumar of M/s Indwell Automation, Pune delivered lectures of "Automation of Industry" during STTP on Robotics and Automation held during June 08-12, 2015 in

- during National Conference of Product Design and Manufacturing held on November 21-22, 2015.
6. Prof. Niranjana Sahoo, Department of Mechanical Engineering, IIT Guwahati on 'Engine Technology for Alternative Fuels' (Date: 12/10/15)
7. Dr. Ramesh Kolar, Associate Director, Office of Naval Research- "Global development in energy areas of research in Naval Defence" (Date: 03/02/16)
8. Expert NX academic solutions on 'CAD, CAM, CAE software with strengths in Design, Tooling, Manufacturing and Simulation' (Date: 16/03/16)

Conferences/ Workshop/ Short-term Courses/ Training Programme

Sl. No.	Name of the Faculty	Faculty Training For	Title of Training	Institution/ Organization Name	Dates
1.	Dr. D. K. Shukla	Workshop	Microstructure Engineering via Heat Treatments	IIT Kanpur	Oct 19-21, 2015
2.	Dr. B. Paul	Workshop	one-week Workshop on 'High Resolution X-ray and Electron Diffraction'	TEQIP and DST (FIST) at IIT Kanpur	01 – 05 Feb, 2016
3.	Dr. Manish Gupta	International Conference	International Conference on Translational Biotechnology (BioSangam 2016)	MNNIT Allahabad.	Feb 4-6, 2016
4.	Dr. P. Shandilya	International Conference	4th International Conference on Manufacturing, Optimization, Industrial and Material Engineering (MOIME-2016)	Bali Indonesia	March 19-20, 2016

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator/ Co-investigator (s)	Project Title	Name of the Funding Agency	Amount (INR)	Duration (Status), Month year of project allotment.
1.	Prof. Vinod Yadava	Cylindrical Electrolytic magnetic Abrasive Machining (C-EMAM): Development, Modeling and Optimization	Council of Science and Industrial research (CSIR), New Delhi	18,37,920/-	01/01/2014 to 31/12/2016
2.	Dr. A. K. Dubey	Experimental study of Laser Trepan Drilling of Advanced Materials.	Aeronautics R & D Board, New Delhi	29,55,000/-	2014-2017

10.13 DEPARTMENT OF PHYSICS

Vision

To be nationally recognized as a model of an effective and successful Physics programme.
To have a reputation for our advanced and successful research in emerging areas of Physics
To have the reputation for the success of our research students and engineering graduates

Mission

To provide Physics education to engineering graduates as per need of future engineering and technological education in the country.

List of Laboratories

- (i) Under Graduate Physics Laboratory
- (ii) Research Laboratory-I
- (iii) Research Laboratory-II

List of Ph. D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Anand Kumar Tripathi	2009RPH57	Investigations of Polymorphic Transformation, Band Structure and Photoresponse in Multifunctional Titania Nanomaterials.	Dr. Arvind Agarwal
2.	Mohit Sahni	2010RPH04	Studies on the Effect of Doping on Dielectric, Magnetic and Magnetodielectric Properties of Bismuth Ferrite	Dr. Naresh Kumar
3.	Mohan Chandra Mathpal	2010RPH52	Investigations of Structural and Optical Properties of Plasmonic Metamaterials and Titanium Dioxide Nanostructures.	Dr. Arvind Agarwal & Dr. S. N. Pandey
4.	Sushant Singh	2009RPH54	"Investigations on Magnetodielectric Effect in BaTiO ₃ /AFe ₂ O ₄ [A=Zn ²⁺ , Fe ²⁺] Core/Shell Nanoparticles and Studies of PLD Grown Zinc Ferrite Thin Films"	Dr. Naresh Kumar
5.	Sumeet Kumar	2010ROH54	Studies on Structural, Optical and Magnetic Properties of Low Dimensional Systems: CdO, Cd _{1-x} MnxO, CeO ₂ and Graphene Based Composites	Dr. Animesh K. Ojha
6.	Ramnayan Mukherjee	2012RPH01	Spay-pyrolyzed tungstun trioxide nanocrystalline thin films: effect of metal ion doing on the structural, optical, electrical and electrochromic properties	Prof. P. P. Sahay
7.	Kapil Kumar Sharma	2010RPH02	Entanglement dynamics in bipartite quantum systems under Dzyaloshinskii-Moriya interaction	Dr. S. N. Pandey
8.	Satya Brat Upadhyay	2009RPH56	Effect of metal (In, Fe, Sn, Cr) doping on the structural, optical and gas sensing properties of WO ₃ nanostructures	Prof. P. P. Sahay
9.	Vivek Agrahari	2009RPH05	"Structural, band-gap and photoresponse studies of metal doped tin oxide nanostructures"	Dr. Arvind Agarwal & Prof. M. Kumar
10.	Sachin Kumar	2010RPH53	Studies on Structural, Optical and Magnetic Properties of ZrO ₂ , CeO ₂ nanostructures and Graphene Based Nanocomposites and their Application as Photocatalysts	Dr. A. K. Ojha
11.	Sanjay Srivastava	2010RPH05	"Study of structural, optoelectronic and photoresponse properties of copper oxide nanostructures"	Dr. Arvind Agarwal & Prof. M. Kumar
12.	Hariom Gupta	2008RPH07	Study of Dehydroascorbic Acid Coated Ferrite Nanomaterials for Enhanced Magnetic Resonance Imaging and their Separation Ability"	Dr. Naresh Kumar & P. Paul

Publication in International Journals

- V. Agrahari, A. K. Tripathi, M. C. Mathpal, A. C. Pandey, S. K. Mishra, R. K. Shukla and A. Agarwal "Effect of Mn doping on structural, optical and

magnetic properties of SnO₂ nanoparticles," Journal of Materials Science Materials in Electronics, vol. 26, no. 12, pp. 9571-9582, 2015 (IF 1.57).

2. V. Agrahari, M. C. Mathpal, S. Kumar and A. Agarwal, "Low field room temperature magnetism and band gap modifications in Sm doped SnO₂" Journal of Materials Science Materials in Electronics, vol. 27, no. 3, pp. 3053-3064, 2016 (IF=1.57).
3. V. Agrahari, M. C. Mathpal, S. Kumar, M. Kumar and A. Agarwal, "Cr modified Raman, optical band gap and magnetic properties of SnO₂ nanoparticles," Journal of Materials Science Materials in Electronics, vol. 27, no. 6, pp. 6020-6029, 2016 (IF= 1.57).
4. A. K Tiwari, S. N. Pandey, M. Senthilvelan and M. Lakshmanan, "Lie point symmetries classification of the mixed Liénard-type equation," Nonlinear Dyn. vol. 82, pp. 1953-1968, 2015.
5. V. M. Saini, Vyas, Thokala Soloman Raju, S. N. Pandey and P. K. Panigrahi, "Super and subluminal propagation in nonlinear Schrödinger equation model with self-steepening and self-frequency shift," J. Nonlinear Optical Physics & Materials, vol. 24, no. 1-14, 2015.
6. V. Shukla, A. Bhatnagar, S. K. Pandey, T. P. Yadav, R. R. Shahi, M. A. Shaz and O. N. Srivastava, "On the synthesis, characterization and hydrogen storage behavior of ZrFe₂ catalyzed Li-Mg-N-H hydrogen storage material," International Journal of Hydrogen Energy, vol. 40, no. 35, 2015.
7. O. N. Srivastava, T. P. Yadav, R. R. Shahi, Sunita K. Pandey, M. A. Shaz, and A. Bhatnagar, "Hydrogen Energy in India: Storage to Application," Proc Indian Natn Sci Acad, vol. 81, no. 4, pp. 915-937, 2015.
8. A. Jha, N. Kumar, S. Chaubey and M. Sahni, "Effects of substrate temperature, oxygen pressure and laser fluence on structural and magnetic properties of pulsed laser deposited cobalt ferrite thin films," Journal of Superconductivity and Novel Magnetism, vol. 29, no. 03, pp 855-862, 2016.
9. M. Bohra, K. E. Prasad, R. Bollina, S. C. Sahoo and N. Kumar, "Characterizing the phase purity of nanocrystalline Fe₃O₄ thin films using Verwey transition," Journal of Magnetism and Magnetic Materials, vol. 418, pp. 137-142, 2016.
10. S. Singh, N. Kumar, A. Jha, M. Sahni, K. D. Sung, J. H. Jung and S. Chaubey, "Study of magnetic, dielectric and magnetodielectric properties of BaTiO₃/Fe₃O₄ core/shell nanocomposite," Journal of Materials Science: Materials in Electronics, vol. 26, no. 1, pp 32-36, 2015.
11. A. K. Singh, S. Andleeb, J. Singh and J. Eom, "Tailoring the electrical properties of multilayer MoS₂ transistors using ultraviolet light irradiation," RSC Advances, vol.5 pp.77014–77018, 2015(I F=3.8).
12. S. Tiwari, A. K. Singh, S. K. Balasubramanian, W. Takashima and Rajiv Prakash, "Poly-3 hexylthiophene (P3HT)/ Graphene Nanocomposite Field-Effect-Transistor as Ammonia Detector," Journal of Nanoscience and Technology, vol. 16, pp. 01-08, 2015 (IF= 1.5).
13. S. Andleeb, A. K. Singh and J. Eom, "Chemical doping of MoS₂ multilayer-by p-toluene sulfonic acid," Science & Tech Advanced Materials, vol.16, pp. 035009, 2015 (I.F.= 3.5).
14. B. Ahmed, S. Kumar and A. K. Ojha, "Shape induced (spherical, sheets and rods) optical and magnetic properties of CdS nanostructures with enhanced photocatalytic activity for photodegradation of methylene blue dye under ultra-violet irradiation," Journal of Alloys and Compounds, vol. 679, pp. 324-334, 2016 (IF=2.99).
15. S. Kumar, A. K. Ojha and B. Walkenfort, "Cadmium oxide nanoparticles grown in situ on reduced graphene oxide for enhanced photocatalytic degradation of methylene blue dye under ultraviolet irradiation," Journal of Photochemistry and Photobiology B: Biology, vol. 159, pp.111-119, 2016 (IF=3.13).
16. S. Bhunia, A. Singh and A. K. Ojha "Un-catalyzed peptide bond formation between two monomers of glycine, alanine, serine, threonine, and aspartic acid in gas phase: a density functional theory study," The European Physical Journal D, vol. 70 no. 5, pp. 1-10, 2016 (IF=1.22).
17. S. Kumar and A. K. Ojha, "Room temperature ferromagnetism in undoped and Mn doped t-ZrO₂ nanostructures originated due to oxygen vacancy and effect of Mn doping on its optical properties," Materials Chemistry and Physics, vol. 169, pp. 13-20, 2016 (IF=2.5).
18. S. Kumar, S. Bhunia and A. K. Ojha "Experimental and theoretical evidence for the presence of room temperature ferromagnetism in undoped and Mn

- doped tetragonal ZrO₂ nanostructures," *Chemical Physics Letters*, vol. 644, pp. 271-275, 2016. (IF=1.96).
19. S. Bhunia, S. K. Srivastava, A. Materny and A. K. Ojha "A vibrational and conformational characterization of arginine at different pH values investigated using Raman spectroscopy combined with DFT calculations," *Journal of Raman Spectroscopy*, vol. 47, no. 9, pp. 1073-1085, 2016 (IF=2.67).
 20. S. Bhunia, P. Donfack, A. Materny and A. K. Ojha, "Ionic and tautomeric conformers of adenine at different pH investigated by Raman spectroscopy combined with DFT calculations," *Journal of Raman Spectroscopy*, vol.47, no. 9, pp. 1086-1094, 2016. (IF=2.67).
 21. S. Kumar and A. K. Ojha, "In-situ synthesis of reduced graphene oxide decorated with highly dispersed ferromagnetic CdS nanoparticles for enhanced photocatalytic activity under UV irradiation," *Materials Chemistry and Physics*, vol. 126, pp. 126-136, 2016. Impact Factor (2.5)
 22. S. Kumar, A. K. Ojha, P. Donfack, A. Materny and B. S. Yadav, "One step in-situ synthesis of CeO₂ nanoparticles grown on reduced graphene oxide as an excellent fluorescent and photocatalyst material under sunlight irradiation," *Physical Chemistry Chemical Physics*, vol. 18, pp. 11157-11167, 2016. (IF=4.49).
 23. S. Kumar and A. K. Ojha, "Ni, Co and Ni-Co codoping induced modification in shape, optical band gap and enhanced photocatalytic activity of CeO₂ nanostructures for photodegradation of methylene blue dye under visible light irradiation," *RSC Advances*, vol. 6, pp. 8651-8660, 2016 (IF=3.84).
 24. S. Kumar and A. K. Ojha, "Oxygen vacancy induced photoluminescence properties and enhanced photocatalytic activity of ferromagnetic ZrO₂ nanostructures on methylene blue dye under ultra-violet radiation," *Journal of Alloys and Compounds*, vol. 644, pp. 654-662, 2015 (IF=2.99).
 25. S. Bhunia, S. Forster, N. Vyas, H. C. Schmitt and A. K. Ojha, "Direct visual evidence of end-on adsorption geometry of pyridine on silver surface investigated by surface enhanced Raman scattering and density functional theory calculations," *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, vol. 151, pp. 888-894, 2015 (IF=2.35).
 26. S. Bhunia, R. Hassanein, A. Materny and A. K. Ojha, "Raman fingerprint of the interaction of K⁺ with the COO⁻ group of zwitterionic alanine" *Journal of Raman Spectroscopy*, vol. 46 no. 12, pp. 1191-1199, 2015 (IF=2.67).
 27. S. Kumar, S. Bhunia, J. Singh, and A. K. Ojha, "Absence of room temperature ferromagnetism in Fe stabilized ZrO₂ nanostructures and effect of Fe doping on its structural, optical and luminescence properties," *Journal of Alloys and Compounds* vol.649, pp. 348-356, 2015 (IF=2.99)

Publication in Conferences

1. A. K. Singh "Light Driven Carrier Modulation in MoS₂ Field-Effect Transistors," *International Conference on Materials Science & Technology*, University of Delhi, Delhi, India, March, 01-04, 2016.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Rohit R. Shahi	International Journal of Hydrogen Energy, Journal of Alloys and compounds, Materials and Design
2.	Naresh Kumar	Applied Physics Letters RSC Advances Journal of Alloys and Compounds Journal of Materials Science: Materials in Electronics, Materials Research Bulletin
3.	S. N. Pandey	Quantum Information Processing Pramana- J. Physics Applied Mathematical Modelling

Conferences/ Workshop/ Short Term Course/ Training Program Attended

1. A. Agarwal presented paper in the 16th International Conference on X-ray Absorption Fine Structure ("XAFS 16") KIT, Karlsruhe, Germany Aug.23–28, 2015.
2. R. R. Shahi attended National Workshop on Electron Microscopy and Allied Techniques (NWEMAT-2015) at University of Delhi, Delhi India, December 21-23, 2015.
3. R. R. Shahi attended International conference on Multifunctional Materials for future Applications (ICMFA) 2015 at IIT BHU India, Oct. 27-29, 2015.
4. R. R. Shahi attended International Conference on Materials Science and Technology at University of Delhi, Delhi India, March 01-04, 2016.
5. N. Kumar Presented Oral talk entitled "HRP modified Pulse laser ablated ZnO nanostructure for H₂O₂ sensing" in an International Conference on Materials Science & Technology at the Conference Centre, University of Delhi, India, during 01-04 March, 2016.
6. A. K. Singh attended "National Workshop on Electron Microscopy and Allied Techniques" at Delhi University during Dec. 21-23, 2015.
7. A. K. Singh "MoS₂ a Two Dimensional Nanomaterial for High Performance Thin Film Field Effect Transistors" International Conference on Multifunctional Materials for Future Applications (ICMFA-2015), IIT (BHU), Varanasi, during October 27-29, 2015.
8. A. K. Singh, S. Andleeb, J. Singh and J. Eom "Enhanced the Performance of Multilayer MoS₂ Transistors by Ultraviolet Light Irradiation" 5th Molecular Materials Meeting at Singapore, held in Singapore during August 3-5, 2015.

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator/ Co-investigator(s)	Title of the Project	Funding Agency	Amount (in Lakhs)	Duration (Status)
1.	Dr. Rohit R Shahi	Studies on Nanoparticles Decoration in Supercritical Fluid to Improve the Sorption Behavior of Most Promising Storage Material e.g. Mg.	DST	35.00	5 Years (ongoing)
2.	Dr. Arun Kumar Singh	Electronic and optoelectronic properties of organic semiconductors on 2D nanomaterials	DST	35.00	5 Years (ongoing)
3.	Dr. Animesh K. Ojha	DFT Study of Neutral and Zwitterionic Forms of Biologically Important Molecules in Polar and Non-polar Environments and Calculation of Dissociation Constants.	Council of Scientific and Industrial Research (CSIR), New Delhi, India	10.50	2011-15 (Completed)
4.	Dr. Animesh K. Ojha	Synthesis and Optical Characterization of Low Dimension Systems	Department of Science and Technology (DST), New Delhi, India	23.14	2014-16 (On going)

Other Information

1. Dr. Animesh K. Ojha has visited the research group of Prof. Arnulf Materny, Jacobs

University, Bremen, Germany, during June 16- July 12, 2015.

2. Dr. Arvind Agarwal visited research group of Prof. Jianping Wang at Department of Electrical and Computer Engineering, University of Minnesota, Minneapolis, U. S. A. during June 23-July 03, 2015.

To create managers who have the competence to operate efficiently at the domestic and global levels through their knowledge, skills and creativity, with personal integrity and social responsibility

10.14 SCHOOL OF MANAGEMENT STUDIES

Vision

To be a provider of globally competitive, high quality technical human resource. To promote and significantly contribute towards development of technologies and innovation appropriate to sustainable economic growth and enrichment of quality of life.

Mission

List of Laboratories

- (i) Systems Laboratory
- (ii) Behaviour Dynamics Laboratory
- (iii) Research Scholars Laboratory

Courses Run by Department:

- (i) MBA [2 Years/ 4 Semester]
- (ii) Ph.D.

Courses in which Students were admitted

- (i) MBA [2 Years/ 4 Semester]
- (ii) Ph.D.

List of Ph.D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Supervisor(s)
1.	Anushree Tandon	2010RMS01	Influence of Shopping Orientation and Mall Attractiveness Dimensions on Customer Experience: A Study of Metro and Tier I Cities in India.	Dr. Vibhuti Tripathi
2.	Deepesh Tiwari	2008RMS07	An Analysis of Competitiveness of India in the context of Semiconductor Manufacturing Industry (August 2015).	Dr. Tripti Singh/ Prof. A. B.Samaddar (Director, NIT Sikkim)
3.	Dr. Anvita Gupta	2010RMS07	Strategic Dimensions of Expatriate Adjustment; A study of Indian Information Technology Sector	Prof. Geetika
4.	Gunjan Nema	2009RMS02	Service Quality Determinants of Public Transport System: A Study of Tier I and Tier II cities in Indi	Dr. Vibhuti Tripathi
5.	Rupali Singh	2010RMS05	Identification of Factors Leading to Teacher's Retention and Development of Talent Quotient in Management Education (September 2015).	Dr. Tripti Singh
6.	Ginni Chawla	2010RMS51	Role of Union Participation and its Antecedents In worker Behaviour Effectiveness: A study of Selected Manufacturing Units in India (October 2015).	Dr. Tripti Singh
7.	Pooja Dwivedi	2009RMS51	Determinants of Brand Extension Success and its Relation with Brand Architecture: A Study of Personal Care Brands in India.	Dr. Vibhuti Tripathi
8.	Ashish Gupta	2010RMS02	Factors Influencing Implementation of Relationship Marketing Practices for overall firm performance: A Study in Indian service firms Perspective.	Dr. G. P. Sahu
9.	Tanu Agarwal	2011RMS01	An Analysis of Cause and Effect Relationship between Foreign Institutional Investment and Select Variables in India during Pre and Post	Prof. Geetika and Prof. P. R. Agrawal

10. Priyanka Kochhar 2010RMS03 Sub-Prime Crisis.
Technology Application in Effective Merchandise Management: A Study of Semi-Organized Consumer Durable Retail Stores in India. Dr. Vibhuti Tripathi

Publications in International Journals

1. Geetika, P. Ghosh and M. K. Ojha (2016) "Journey Towards World Class Stations: An Assessment of Platform Amenities at Allahabad Junction", Journal of Public Transportation, vol. 19, no.01, pp. 68-83,
2. N. Tiwari and Geetika, (2016) 'Success factors of women owned micro and small enterprises in India,' International Journal of Entrepreneurship and Small Business, Inderscience Publishers.
3. T. Nandan and K. Saurabh (2016) 'Personality Traits, Attitudes towards Financial Risk and Investment Intentions: A Study on Generation Y,' International Journal of Business Forecasting and Marketing Intelligence, Inderscience Publications, vol. 2, no. 2, pp 128-150.
4. T. Nandan, P. K. Agrawal and T. Agarwal, (2016) "Return, Volatility and Volume: Causality Relationship of Top 10 Companies of Nifty 50," Indian Journal of Research in Capital Markets, vol. 3, no. 2, pp. 07-19.
5. T. Nandan and P. Agrawal (2016) "Pricing Efficiency in CNX Nifty Index Options using Black Scholes Model: A Comparative Study of Alternate Volatility Measures," Margin-The Journal of Applied Economic Research, vol.10, no. 2, pp. 281-304.
6. T. Nandan and P. Agrawal (2015) "An Assessment of Put Call Parity Relationship in Stock Options at National Stock Exchange". Sage Publications.
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8. T. Nandan, P. Agrawal and S. Jindal (2015) "An Empirical Investigation of Mispricing in Stock Futures at National Stock Exchange," Indian Journal of Finance, vol. 9, no. 9, pp. 23-35.
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12. R. Dubey, A. Gunasekaran, S. Singh and T. Singh (2015) "Building theory of sustainable manufacturing using total interpretive structural modeling," International Journal of Systems Science: Operations & Logistics, pp. 1-17.
13. R. Dubey, T. Singh, and S. S. Ali (2015) "The mediating effect of human resource on successful total quality management implementation: An empirical study on SMEs in manufacturing sectors," Benchmarking: an International Journal, vol. 22, no. 7, pp. 1463-1480.
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 19. A. Rai, P. Ghosh, Ragini and N. Mehta (2016) "Influence of Job Characteristics on Engagement: Does Support at Work Act as Moderator," *International Journal of Sociology and Social Policy*, vol. 7, no. 8.
 20. Ragini, P. Ghosh, A. Rai and D. Shukla (2016) "Impact of Support at Workplace on Transfer of Training: Study of an Indian Manufacturing Firm," *International Journal of Training and Development*, vol. 20, no. 3, pp. 200-213.
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 23. P. Ghosh, Ragini and A. Rai (2015) "Supervisor Support in Transfer of Training: Looking Back at Past Research," *Industrial and Commercial Training*, vol. 47 no. 4, pp. 201–207.
 24. P. Ghosh, Ragini and A. Rai (2015) "Analysing the Role of Union Instrumentality in Women's Participation in Trade Unions: A Study of Indian Manufacturing Sector," *Journal of Developing Areas*, vol. 49 no. 4, pp. 415-423.
 25. V. Tripathi and S. Kumar (2016) "Do Government Interventions Moderate Psycho-social Factors and Sanitation Behaviour? Study of Rural Uttar Pradesh in India," *The International Journal of Business & Management*, vol 4 no. 8.
 26. A. Tandon, A. Gupta, and V. Tripathi (2016) "Managing Shopping Experience through Mall Attractiveness Dimensions: An Experience of Indian Metro Cities," *Asia Pacific Journal of Marketing and Logistics*, vol. 28, no. 4.
 27. A. Tandon, A. Gupta and V. Tripathi (2016) "The Viability of Benefit Segmentation in Tier II Cities of India Identifying Benefits Sought by Indian Customers," *International Journal of Business Innovation & Research*, vol. 10, no. 4, pp. 501-518.
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- Publications in National Journals**
1. Geetika, P. Ghosh and A. Shukla, "State of Urban Homeless Poor in India: A Stock-Taking of the City of Allahabad", *Urban India*, Vol. 35, ISSN 0970-9045, pp. 8-29.
- Publication in Conferences**
1. P. Ghosh, A. Rai, Ragini and A. Singh (2016) "Mediating Role of Engagement between Total Rewards and Job Satisfaction among Employees of Indian Public Sector Banks," *International Multidisciplinary Conference, Colombo, Feb.02-03, 2016*.
 2. Geetika and P. Ghosh (2016) "A study of shelters for the urban shelter-less in Uttar Pradesh," *National Conference on Emerging Trends in Computing and Management technologies SPMIT Allahabad Feb. 26-2*.
 3. P. Ghosh, A. Rai, Ragini and A. Singh (2015) "Support at Work to Fuel Engagement: A Study of Employees of Indian Banking Sector," *Society of Interdisciplinary Business Research Conference on Interdisciplinary Business & Economics Research, Bangkok, June 04-06*.
 4. Geetika and P. Ghosh, "A study of shelters for the urban shelter-less in Uttar Pradesh," *National Conference on Emerging Trends in Computing and Management Technologies, SPMIT, Allahabad, Feb. 26-27, 2016*.
- Papers Presented at Conferences**
1. Ghosh et. al. (2016) presented paper 'Mediating Role of Engagement between Total Rewards and Job satisfaction amongst Employees of Indian Public Sector Banks' at International

- Multidisciplinary Conference Colombo during February 02-03, 2016.
2. P. Ghosh, A. Rai, A. Singh and Ragini (2015) "Support at Work to Fuel Engagement: A Study of Employees of Indian Banking Sector," Society of Interdisciplinary Business Research Conference on Interdisciplinary Business & Economics Research, held at Bangkok during June 04-06, 2015.

Reviewer in International Journal

Sl. No.	Faculty Name	Journal Name
1.	Prof. Geetika	Journal of Public Transportation, Sustainability Accounting, Management and Policy Journal
2.	Dr. G. P. Sahu	International Journal of Electronic Government Research, International Journal Of Electronic Governance
3.	Dr. Tripti Singh	TQM Journal, Emerald Publishing, Journal OF Humanitarian Logistics and Supply Chain Management, Journal of the International Academy for Case Studies (JIACS), Allied Publisher, USA
4.	Dr. Piyali Ghosh	Personnel Review, Journal of Management Development, Employee Relations, Relations Industrielles/Industrial Relations (RI/IR), Organizations and Markets in Emerging Economies, Journal of International Entrepreneurship, Journal of Entrepreneurship and Innovation, International Journal of Retail & Distribution Management, Journal of Marketing Management, The International Review of Retail, Distribution and Consumer Research
5.	Dr. Vibhuti Tripathi	Archives of Current Research International, British Journal of Applied Science & Technology, African Journal Of Business Management, Asia Pacific Marketing Review

Book(s)/ Book Chapter(s) Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book Name	Book Chapter	Publisher
1.	Geetika, T. Nandan, G. P. Sahu, T. Singh, P. Ghosh, V Tripathi, (2016)	Management and Technology : New Horizons of Research		McGraw-Hill Education
2.	T. Nandan, V. Choubey (2016)	Management and Technology: New Horizons in Research	Relevance of Net Operating Cycle – A Theoretical Discussion.	McGraw-Hill Education
3.	T. Nandan, P. Agrawal, K. Saurabh, A. P. Singh (2016)	Emerging Trends in Computing & Management Technologies	A Study on Investment Pattern of the Mutual Fund Investors of Allahabad City	Bonfring Intellectual Integrity
4.	T. Nandan, P. Agrawal, (2015)	Frontiers of Infrastructure Finance: Issues and Challenges	Pricing Efficiency in Stock Options using Black Scholes Model: A Comparative Study of Alternate Volatility	Bloomsbury Publishing India Pvt. Ltd.

5.	T. Nandan, P. Agrawal, (2015)	Emerging Trends in Banking, Financial Services and Insurance Sector	Measures Exchange Traded Currency Derivatives in India- Impact on volatility & other issues	Indra Publishing
6.	T. Nandan, K. Saurabh, (2015)	Emerging Trends in Banking, Financial Services and Insurance Sector	Mutual Fund Investment: Effect of Demographic, Fund and Marketing Specific Factors.	Indra Publishing
7.	T. Singh and R. Singh (2015)	Advances in Management and Technology: Mapping Strengths with Opportunities	A Conceptual Framework for Teacher's Talent Retention in Management Education Entities in India	McGraw Hill Education (India) Private Limited
8.	T. Singh and Alok Agrawal (2015)	Advances in Management and Technology: Mapping Strengths with Opportunities	Implementation of Quality Systems in Indian MSME's: A Critical Analysis of Successful Case Studies	McGraw Hill Education (India) Private Limited
9.	P. Ghosh and S. Nandan (2015)	Industrial Relations & Labour Laws		McGraw Hill Education

Conference/ Workshop/ Short-term Course Organized by department

Sl. No.	Name of Seminar/ Conference	Chair/ Co-Chair/ Coordinator	Month and Year
1.	Symposium on 'Strategic Imperatives for Business sustainability'	Dr. Tanuj Nandan, Convener Dr. Tripti Singh, Co-Convener	January 21, 2016
2.	Workshop on "Winning Leaders of Tomorrow"	Dr. Piyali Ghosh, Coordinator	29/08/2016.
3.	Introduction to Structural Engineering	Dr. G. P. Sahu, Remote Centre Coordinator	January, 2016
4.	Engineering Physics	Dr. G. P. Sahu, Remote Centre Coordinator	December, 2015
5.	WHS791x: Technical Communication for Scientists and Engineers	Dr. G. P. Sahu, Coordinator	October-November 2015
6.	Digital India	Dr. G. P. Sahu, Coordinator	July 2015

Invited Lectures Delivered

- Prof. Geetika delivered Keynote Address at National Workshop on Case Study Method, RSMT, Varanasi, on Aug. 13, 2015
- Dr. T. Nandan, Keynote Speaker on Electronic Payment, Settlement and Risk Management and also on Online Commodities Trading at the Refresher Course of UGC- Human Resource Development Centre, Dr. HS Gour Central University, Sagar, Jan. 30, 2016.
- Dr. T. Nandan Keynote Speaker on Statistical Hypothesis Testing at the Faculty Development Program, CSJM University, Kanpur, Jan. 15, 2016.
- Dr. T. Nandan Keynote Speaker on Statistical Hypothesis Testing at the Faculty Development Program, Kamla Nehru Institute of Technology, Sultanpur, Jan. 11, 2016.
- Dr. T. Nandan Keynote Speaker on Structural Equation Modelling at the Faculty Development Program, Lucknow University, Lucknow, Jan. 07, 2016.
- Dr. T. Nandan Keynote Speaker on Outcome Based Education at the Refresher Course of UGC- Human Resource Development Centre, Dr. HS Gour Central University, Sagar, Dec. 23, 2015.

7. Dr. T. Nandan Keynote Speaker on Service Marketing Opportunities and Challenges at the Seminar on Business Excellence in the Wake of Global Challenges, Joseph School of Business Studies, SHIATS-DU, Allahabad, Nov. 27, 2015.
8. Dr. T. Nandan Keynote Speaker on Sustainable Development- Imperatives for the Environment, at the Symposium on Social Development: Health, Education, Poverty, Social Backwardness, Housing and Environment on the occasion of Statistics Day, organized by NSSO-MOSPI at UPRTOU, Allahabad, June 29, 2015.
9. Dr. T. Nandan, Keynote Speaker on World Environment Day 2015: Sustainable Co-existence on the occasion of World Environment Day, at IFFCO Phulpur Unit, June 05, 2015.
10. Dr. T. Nandan, Keynote Speaker on Issues in Project Cash Flow Management- the Case of Water Supply Projects at the Short term course on Construction Management in Water Supply Sector (CMWSS-2015), MNNIT Allahabad, April 10, 2015.
11. Dr. T. Singh, Delivered invited Lecture on Personality Development and Dedication, AG Office Regional Training Center, Allahabad, Feb.04, 2016.
12. Dr. V. Tripathi delivered Guest Lecture on Contemporary Management Practices, at LDC Institute of Technical Studies, Allahabad, March 08, 2016.
3. Prof. S. K. Garg, Pro Vice-Chancellor, Delhi Technological University, New Delhi on 07.08.2015 titled Management Paradigms.
4. Prof P. K. Singh, IIM Indore, on 7.08.2015 on the topic Research Methodology.
5. Ms. G. Dixit, Vice President, Moody's U.K. on 08.09.2015 on Credit Ratings and Career Opportunities in Finance.
6. Dr. Y. Dwivedi, Swansea University, UK on 10.09.2015 on Project Management: Prince System.
7. Prof. G. Sridhar, IIM Kozhikode on 20.10.2015, Interaction with Research Scholars
8. Prof. D. K. Banwet, IIT Delhi on 10.01.2016 on Operations Management.
9. Dr. P. Singh, Associate Professor, IIM Lucknow on 19.02.2016, interaction with Research Scholar.
10. Prof. P. N. Mishra, DAVV, Indore on 02.03.2016 on Ethics in Management.
11. Prof A. Bajpai, BHU, Varanasi on 05.04.2016, Interaction with Research Scholars.
12. Prof. N. K. Sharma, IIT Kanpur, on 08.07.2015 delivered a lecture on Research Methodology.
13. Prof. Pramod Pathak, ISM, Dhanbad on 31.08.2015 delivered a lecture on Research Methodology.

Invited Lectures Organized

1. Prof. B. Gupta, California State University, USA on 23.06.2015 on the topic Big Data Analysis.
2. Dr. M. K. Srivastava, Associate Professor, Michigan Technological University, USA on 02.07.2015 on the topic Use of Econometrics in Management Research.

Conferences/ Workshops/ Short- Term Course/ Training Programme Attended

Dr. Tripti Singh attended the ISB Master Teacher Programme, Hyderabad August and September 2015

- (i) Module 1: Foundation Topics; Fundamentals of Learning, Pedagogy, and Classroom Management, August 27-30, 2015
- (ii) Module 2: Advanced Topics; Teaching Practicum, Content creation, and Course design September 25-27, 2015

Research Projects Ongoing/ Completed

Sl. No.	Principal Investigator/ Coinvestigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Principal Investigator Prof. Geetika Dr. G.P. Sahu Dr. Piyali Ghosh	Multi-partnership Model of Self-sustainable Shelters for Urban Homeless Poor	HUDCO, New Delhi	16,00,000	Completion in August 2016.

2.	Principal Investigator: Dr. Tanuj Nandan Co- Investigator: Dr. Tripti Singh and Dr. Shefali Nandon	Antecedents and Predictors of Investment Behavior amongst Urban Poor: A Study of Uttar Pradesh	ICSSR, New Delhi	8,00,000	Ongoing
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FINANCIAL AND ACCOUNT DETAILS

11.1 Financial and Account Report

11.2 Annual Account 2015-2016

11.1 FINANCIAL AND ACCOUNT REPORT

स्पीड पोस्ट द्वारा

कार्यालय प्रधान निदेशक लेखापरीक्षा (केन्द्रीय) लखनऊ, शाखा कार्यालय इलाहाबाद
सत्यनिष्ठा भवन 15 -ए दयानन्द मार्ग इलाहाबाद

पत्र संख्या: स्वा.नि.(कें)/पू.ले.प.-41/2016-17/

दिनांक- 02.2017

सेवा में,

सचिव, भारत सरकार,
मानव संसाधन विकास मंत्रालय,
उच्च शिक्षा विभाग,
शास्त्री भवन, नई दिल्ली - 110001

विषय: मोती लाल नेहरु राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद के वर्ष 2015-16 के लेखों पर पृथक लेखा परीक्षा प्रतिवेदन।

महोदय,

मैं, मोती लाल नेहरु राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद के वर्ष 2015-16 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखे की प्रति अग्रसारित कर रहा हूँ।

2. कृपया सुनिश्चित करें कि लेखापरीक्षा प्रतिवेदन एवं सम्बन्धित लेखा संसद के दोनों सदनों के सम्मुख प्रस्तुत हुआ।

3. कृपया पृथक लेखापरीक्षा प्रतिवेदन एवं लेखों को संसद के दोनों सदनों के समक्ष अन्तिम रूप से प्रस्तुत करने की तिथि भारत के नियंत्रक एवं महालेखापरीक्षक के साथ-साथ इस कार्यालय को भी सूचित करें।

संलग्नक: उपरोक्तानुसार।

भवदीय,

प्रधान निदेशक लेखापरीक्षा (केन्द्रीय)

पत्र संख्या: स्वा.नि.(कें)/पू.ले.प.41/2016-17/209

दिनांक- 02.2017

वर्ष 2015-16 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) की प्रति निदेशक, मोती लाल नेहरु राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद उत्तर प्रदेश 211004 को आवश्यक कार्यवाही हेतु प्रेषित है। संस्थान यदि आवश्यकता अनुभव करे तो इस प्रतिवेदन का हिन्दी अनुवाद करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अस्वीकरण (disclaimer) अंकित होना चाहिए :

“प्रस्तुत प्रतिवेदन मूलरूप से अंग्रेजी में लिखित पृथक लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा।”

हिन्दी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करने का कष्ट करें।

संलग्न : उपरोक्तानुसार

उप निदेशक लेखापरीक्षा (केन्द्रीय व्यय)

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Motilal Nehru National Institute of Technology, Allahabad for the year ended 31 March, 2016

We have audited the attached Balance Sheet of Motilal Nehru National Institute of Technology, Allahabad (Institute) as at 31 March, 2016, the Income and Expenditure Account and Receipts and Payments Account for the year ended on that date under Section 19(2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971 read with section 22(2) of the National Institute of Technology Act, 2007. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Report contains the comments of the Comptroller and Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc. if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by managements, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
- (ii) The Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in format of Financial Statements for Central Higher Educational Institutions prescribed by MHRD, Government of India.

(iii) In our opinion, proper books of accounts and other relevant records except mentioned in Comments A(3), B(1),B(3) to B(5) have been maintained in the Motilal Nehru National Institute of Technology, Allahabad in so far as it appears from our examination of such books.

(iv) We further report that:

(A) Balance Sheet

Fixed Assets ₹ 167.29 crore

(A.1) Institute included Fixed Assets amounting to ₹ 6.12 crore created out of Project grants received for ongoing projects in Schedule 4 (Fixed Assets) in contravention of GFR-215 (3), which states that while the Project or Scheme is ongoing, the recipients should not treat such assets as their own assets in their Books of Accounts but should disclose their holding and using such assets in the Notes to Accounts specifically. This resulted in overstatement of Fixed Assets and Capital Fund by ₹ 6.12 crore each.

(A.2) The net block of which are appearing in minus figures as on 31 March, 2016 aggregating to ₹ 402.76 lakh due to excess charging of depreciation as detailed below:

(₹ in lakh)

Sl. No.	Annexure of Schedule 4	Fixed Assets	Page No. of Annual Accounts	Minus amount of Net Block as at 31 March 2016
1.	C (3)	Vehicles	22	0.20
2.	C (4)	Furniture and Fixtures	24	3.11
3.	C (6)	Computer and Peripherals	29	285.26
4.	C (6)	Computer and Peripherals	30	4.95
5.	C (8)	Library Books	33	103.27
6.	C (8)	Library Books	33	5.97
	Total			402.76

This resulted in overcharging of depreciation amounting to ₹ 402.76 lakh with consequent understatement of Fixed Assets and Capital Fund by the same amount.

(A.3) Corpus/Capital Fund ₹ 278.07 crore

Institute subtracted an amount of ₹ 18.87 crore being apportioned amount of Grants/Funds towards depreciation from 'Corpus/Capital Fund' which was not in conformity with the format of Financial Statements for Central Higher Educational Institutions prescribed by MHRD. This resulted in understatement of the 'Corpus/Capital Fund' by ₹ 18.87 crore and application of funds by the same amount.

(A.4) Current Liabilities and Provisions

This included an amount of ₹1.53 crore pertaining to cancelled cheques which were not taken back in cash book as receipts. This resulted in overstatement of 'Current Liabilities' and understatement of 'Receipt' by ₹1.53 crore each.

(B) General

(B.1) Schedule 10 (Grants and Donations) was not prepared by the Institute as described in the Format issued by MHRD.

(B.2) The Institute did not make provision for retirement benefits on actuarial basis as required by Accounting Standard 15.

(B.3) The Institute did not mention the information such as number of students, teachers, Building Funds, Sports Activities, Co-curricular Activities, Development Charges, Compliance with Statutory Dues and Salary Structure of Teachers in notes to account as prescribed in format issued by MHRD.

(B.4) Sub-schedules A, B, C and D in respect of Fixed Assets created out of Plan Funds and Non-Plan Funds were not exhibited distinctly with the main Schedule by the Institute as required in format of account.

(B.5) Institute did not prepare Balance Sheet, Income and Expenditure Account and Receipts and Payments Account of GPF/CPF/NPS separately, and attached them to the annual account.

(B.6) Institute paid USD (\$) 746095.40, EURO-243206.00 and pound -42140.00 (in INR 94970008.00) to different publishers for E-journals but did not disclose them in the notes to accounts of the annual accounts.

(C) Grants-in-aid

During the year 2015-16, the Institute received grant of ₹ 115.92 crore from Government of India (Plan ₹ 55.00 crore + Non-Plan ₹ 38.00 crore + IRG ₹ 22.92 crore). The Institute had an opening balance of ₹ 1.17 crore (Plan (-) ₹ 15.68 crore + Non-Plan ₹ 16.85 crore). Thus, total fund available with the Institute worked out to ₹ 117.09 crore, out of which the Institute utilised ₹ 106.69 crore (Plan ₹ 40.31 crore + Non-Plan ₹ 66.38 crore) leaving a balance of ₹ 10.40 crore (Plan (-) ₹ 0.99 crore + Non-Plan ₹ 11.39 crore) as on 31 March, 2016.

(v) Subject to our observation in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.

(vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the accounting policies and notes on accounts, and subject to the significant matters stated above and other matters mentioned in annexure give a true and fair view in conformity with the accounting principles generally accepted in India.

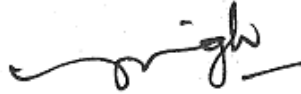
(a) In so far as it relates to the Balance Sheet, of the state of affairs of the Motilal Nehru National Institute of Technology, Allahabad as at 31 March, 2016, and

(b) In so far as it relates to Income and Expenditure Account of the 'Surplus' for the year ended on that date.

Place: Lucknow

Date: 6.2.17

For and on behalf of the C&AG of India



Principal Director of Audit (Central)

Annexure

1. Adequacy of Internal Audit System

Internal Audit of the Institute was carried out by an Internal Audit Cell of its own during the year 2015-16. However, Institute had neither formulated an Audit Plan nor prepared the Internal Audit Manual as of date.

2. Adequacy of Internal Control System

Internal Control System in the institute reflected following deficiencies:

- The Institute did not prepare Consolidated Fixed Assets Register, Liability Register, Register of Contracts, Gradation/Seniority List etc.
- Non-adjustment of advances amounting to ₹ 10.56 crore.
- There was acute shortage of teaching staff in the Institute. The vacancy in respect of Professors, Associate Professors and Assistant Professors were 9, 67 and 99 respectively.
- Physical verification of Library books had not been conducted by the Institute. Valuation of 5810 lost/damaged books was not carried out by the Institute. Further, cost of lost/damaged books was also not deducted from Fixed Assets during the year 2015-16.
- Physical verification of Fixed Assets and Inventories was not conducted during 2015-16.

In view of above internal Control System needs to be strengthened.

3. System of Physical verification of Fixed Asset

Physical verification of fixed assets was not conducted during the year 2015-16. It was last conducted in 2012-13 except library books. As such the existence of these assets could not be vouched safe in audit.

4. System of Physical Verification of Inventories

Physical verification of inventories was not conducted during the year 2015-16. It was last conducted in 2014-15.

5. Regularity in payment of statutory dues

The Institute was regular in payment of statutory dues and nothing is pending against it as on 31 March, 2016.

Dy. Director of Audit (CE)

11.2 ANNUAL ACCOUNTS: 2015-2016

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**BALANCE SHEET AS ON 31st MARCH 2016****(Amount-Rs)**

SOURCES OF FUNDS	Sch	CURRENT YEAR	PREVIOUS YEAR
CORPUS/CAPITAL FUND	1	2,780,681,001.37	2,728,300,090.16
DESIGNATED/ EARMARKED FUNDS	2	402,425,605.12	234,583,094.12
CURRENT LIABILITIES AND PROVISIONS	3	472,591,685.12	461,442,106.12
TOTAL		3,655,698,291.61	3,424,325,290.40
APPLICATION OF FUNDS	Sch	CURRENT YEAR	PREVIOUS YEAR
<u>FIXED ASSETS</u>			
TANGIBLE ASSETS	4	1,672,949,059.47	1,711,811,672.47
CAPITAL WORK-IN-PROGRESS	4	3,165,821.00	-
INTANGIBLE ASSETS	4	58,165,390.13	3,550,157.13
<u>INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS:</u>	5		
LONG TERM		390,191,792.00	195,767,310.00
SHORT TERM			
INVESTMENT OTHERS	6	757,491,959.00	684,615,641.00
<u>CURRENT ASSETS</u>	7	597,924,148.04	372,163,569.46
<u>LOANS, ADVANCES & DEPOSITS</u>	8	175,810,121.97	456,416,940.34
TOTAL		3,655,698,291.61	3,424,325,290.40
SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	24		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH, 2016

PARTICULARS	Sch	(Amount-Rs)	
		CURRENT YEAR	PREVIOUS YEAR
INCOME			
ACADEMIC RECEIPTS	9	244,281,223.00	218,816,111.00
GRANTS & DONATIONS	10	814,529,829.00	735,072,413.07
INCOME FROM INVESTMENTS	11	-	-
INTEREST EARNED	12	67,743,654.00	47,463,913.00
OTHER INCOMES	13	148,713,381.83	108,859,583.39
PRIOR PERIOD INCOME	14	2,349,972.40	17,798,656.00
TOTAL (A)		1,277,618,060.23	1,128,010,676.46
EXPENDITURE			
STAFF PAYMENTS & BENEFITS	15	551,112,081.00	502,471,390.00
ACADEMIC EXPENSES	16	185,470,085.13	110,764,652.00
ADMINISTRATIVE AND GENERAL EXPENSES	17	142,681,944.00	150,226,042.82
TRANSPORTATION EXPENSES	18	1,105,491.00	1,240,275.00
REPAIR & MAINTENANCE	19	12,937,486.00	84,440,128.00
FINANCE COSTS	20	371,457.00	350,294.00
OTHER EXPENSES	21	-	-
PRIOR PERIOD EXPENSES	22	36,456,198.00	32,792,136.00
DEPRECIATION		189,376,605.00	144,116,759.00
TOTAL (B)		1,119,511,347.13	1,026,401,676.82
Balance being excess of income over expenditure (A-B)		158,106,713.10	101,608,999.64
Transfer to / from Designated fund, Building Fund, Others		-	-
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO GENERAL FUND		158,106,713.10	101,608,999.64

SIGNIFICANT ACCOUNTING POLICIES	23		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS.	24		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET
SCHEDULE 1- CORPUS / CAPITAL FUND

(Amount-Rs)

	GENERAL FUND- INSTITUTE	DEFFERED GOVERNMENT GRANT	GENERAL FUND- SUBSIDIARY(Ref Annexure A (1))	CURRENT YEAR	PREVIOUS YEAR
INSTITUTE	-	-	-		
Balance as at the beginning of the year	1,648,316,257.43	784,261,115.35	295,722,717.38	2,728,300,090.16	2,400,721,751.64
Add: Contributions towards Corpus/Capital Fund	-			-	-
Add: Grant from UGC, Government of India and State government to the extent utilized for capital expenditure				-	-
Add: Assets Purchased out of Earnmarked Funds				-	-
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution				-	-
Add: Assets Donated/Gifts Received				-	-
Add: Other Additions				-	-
Add: Amount of Capital Expenditure out of Grant	-	211,884,663.00	-	211,884,663.00	265,132,092.13
Add: Excess of Income over expenditure transferred from the Income and Expenditure Account	158,106,713.10		21,452,054.11	179,558,767.21	205,929,505.39
Total	1,806,422,970.53	996,145,778.35	317,174,771.49	3,119,743,520.37	2,871,783,349.16

Less: Adjustments	-	-	150,353,375.00	150,353,375.00	33,961.00
Less: Apportioned Amount of Depreciation	45,554,852.00	143,154,292.00	-	188,709,144.00	143,449,298.00
Balance as at the end of the year	1,760,868,118.53	852,991,486.35	166,821,396.49	2,780,681,001.37	2,728,300,090.16

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE A(1) OF SCH 1

FUND ACCOUNT - SUBSIDIARIES

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Add: Income (as per Annexure i)	Less: Expense (as per Annexure ii & iii)	Adjustment	As at March 31, 2016	As at March 31, 2015
Alumni Association	5,565,046.75	3,582,626.16	2,319,549.00	353,375.00	6,474,748.91	5,632,968.75
Dean Academic Affairs	44,920,891.50	1,656,240.00	10,000,134.00	-	36,576,997.50	44,920,891.50
G. K. Agarwal Trust	193,178.00	29,613.00		-	222,791.00	193,178.00
Industrial Estate	23,403,792.19	6,206,475.00	672,756.00	-	28,937,511.19	23,403,792.19
Nodal Center	(303,831.00)	3,301.00	27,741.00	-	(328,271.00)	(303,831.00)
P.D.T.C.	(216,179.00)	7,523.00		-	(208,656.00)	(216,179.00)
Project Account	8,684,921.78	4,227,123.00	4,515,800.00	10,000,000.00	(1,603,755.22)	8,684,921.78
Research & Consultancy Cell	127,426,668.16	15,930,307.00	4,987,479.00	140,000,000.00	(1,630,503.84)	127,426,668.16
SNFCE	3,638,548.00	8,456,796.00	982,007.00	-	11,113,337.00	3,638,548.00
Sponsored Gold Medal	456,796.00	28,687.00		-	485,483.00	456,796.00
Student Welfare Fund	15,463,467.00	3,331,484.00	2,013,061.00	-	16,781,890.00	15,463,467.00
TEQIP - II	66,245,322.00	26,407,077.00	22,932,463.05	-	69,719,935.95	66,245,322.00
Text Book Lending Bank	244,096.00	59,120.00	23,328.00	-	279,888.00	244,096.00
TOTAL	295,722,717.38	69,926,372.16	48,474,318.05	150,353,375.00	166,821,396.49	295,790,639.38

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

SCHEDULE 2-EARMARKED/ENDOWMENT FUNDS

(Amount-Rs)

PARTICULARS	FUND –WISE BREAK UP							TOTAL	
	GPF	CPF	NPS	Corpus Fund	Staff Development	Development/ Renewal Fund	Maintenance Fund	CURRENT YEAR	PREVIOUS YEAR
A.									
a) Opening balance of the funds	197,290,777.00	9,965,085.12	20,931,711.00	3,836,992.00	1,279,149.00	639,690.00	639,690.00	234,583,094.12	260,501,119.00
b) Additions during the year				150,187,500.00	187,500.00	187,500.00	187,500.00	150,750,000.00	65,889,735.12
c) Income from investments made of the funds	27,058,359.00	1,052,865.00	1,235,116.00	802,295.00				30,148,635.00	
d) Accrued interest on investments of the funds	5,833,046.00	725,958.00		4,008,922.00	47,690.00	21,858.00	21,858.00	10,659,332.00	7,295,358.00
e) Interest on Saving Bank a/c	367,584.00	73,941.00	242,556.00		48,653.00	24,457.00	24,457.00	781,648.00	
f) Other additions (specify nature)								-	-
Employee Subscription	34,405,658.00	470,240.00	20,130,463.00					55,006,361.00	
TOTAL (A)	264,955,424.00	12,288,089.12	42,539,846.00	158,835,709.00	1,562,992.00	873,505.00	873,505.00	481,929,070.12	333,686,212.12
B.									
<u>Utilization/Expenditure towards objectives of funds</u>									
i. Capital	41,922,041.00		37,581,298.00					79,503,339.00	99,103,118.00

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Expenditure									
ii. Revenue Expenditure			126.00					126.00	-
TOTAL (B)	41,922,041.00	-	37,581,424.00	-	-	-	-	79,503,465.00	99,103,118.00
NET BALANCE AS THE YEAR END (A-B)	223,033,383.00	12,288,089.12	4,958,422.00	158,835,709.00	1,562,992.00	873,505.00	873,505.00	402,425,605.12	234,583,094.12

SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

(Amount-Rs)

	CURRENT YEAR	PREVIOUS YEAR
A. CURRENT LIABILITIES		
1. Deposits from staff	-	-
2. Deposits from students	-	-
3. Sundry Creditors	-	-
a) For Goods & Services	-	-
b) Others (Refer Annexure B (1))	58,398,660.39	43,876,269.39
4. Deposit-Others(Including EMD, Security Deposit)	-	-
5. Statutory Liabilities (GPF,TDS,WC TAX,CPF,GIS,NPS):	-	-
a) Overdue	-	-
b) Others (Refer Annexure B (2))	107,143.00	1,577,133.00
7. Other current Liabilities	-	-
a) Salaries	-	-
b) Receipts against sponsored projects	-	-

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c) Receipts against sponsored fellowships & scholarships (Refer Annexure B (3))	101,085,959.00	85,783,123.00
d) Unutilized Grants (Refer Annexure B(4))(B)	113,928,334.93	168,536,403.93
e) Grants in advance	-	-
f) Other funds (Refer Annexure B (5))	12,646,602.00	10,758,805.00
g) Other liabilities (Refer Annexure B (6))	130,541,418.80	107,208,046.80
TOTAL (A)	416,708,118.12	417,739,781.12
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity	1,000,000.00	-
3. Superannuation/Pension		
Pension Pay	2,693,788.00	2,848,278.00
Pension Relief	4,218,209.00	3,699,740.00
Commutated Pension Payable	1,373,303.00	-
New Pension Scheme	946,124.00	793,423.00
4. Accumulated Leave Encashment		
Leave Encashment on LTC Other Staff	238,810.00	181,505.00
Retirement Leave Encashment Payable	1,650,830.00	
5. Expenses payable (Refer Annexure B (7))	43,762,503.00	36,179,379.00
6. Trade Warranties/ Claims	-	-
7. Others (Specify)	-	-
TOTAL (B)	55,883,567.00	43,702,325.00
TOTAL (A+B)	472,591,685.12	461,442,106.12

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS**B(1). SUNDRY CREDITORS**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Receipts During the Year	Payments During the Year	Journal Entry	As at March 31, 2016	As at March 31, 2015
<u>INSTITUTE</u>	-					
Loan Account of PDTC & Industrial Estate	14,093,070.00		-	328,956.00	14,422,026.00	14,093,070.00
<u>SUBSIDIARIES</u>	-	-	-	-		
Project Account - Transferable amount to R&C Cell	590,563.00				590,563.00	590,563.00
R&C Cell - Payable to RES, Bhadhoi	39,325.00				39,325.00	39,325.00
R&C Cell - Testing & Consultancy (Pending)	10,875,069.00	23,122,964.00	8,929,529.00		25,068,504.00	10,875,069.00
R&C Cell - CCB	18,278,242.39				18,278,242.39	18,278,242.39
TOTAL	43,876,269.39	23,122,964.00	8,929,529.00	328,956.00	58,398,660.39	43,876,269.39

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(2). STATUTORY LIABILITIES-OTHERS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Receipts During the Year	Payments During the Year	As at March 31, 2016	As at March 31, 2015
<u>INSTITUTE</u>					
Income Tax	-	37,092,918.00	37,092,918.00	-	-
Sales Tax	-	556,062.00	556,062.00	-	-
Employees contribution to C.P.F	-	495,240.00	495,240.00	-	-
Employees contribution to N.P.S	-	20,289,728.00	20,181,380.00	108,348.00	-
GPF- contribution to employees	561,199.00	33,467,894.00	34,032,093.00	(3,000.00)	561,199.00
<u>SUBSIDIARIES</u>				-	-
Project Account - Income Tax	16,400.00	85,751.00	101,151.00	1,000.00	16,400.00
R&C Cell - Income Tax	999,534.00	1,417,273.00	2,416,012.00	795.00	999,534.00
R&C Cell - Service Tax		3,214,912.00	3,214,912.00	-	
SNFCE - Income Tax		106,235.00	106,235.00	-	-
Dean Academic Affairs - Income Tax				-	-
TOTAL	1,577,133.00	96,726,013.00	98,196,003.00	107,143.00	1,577,133.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS**B(3). RECEIPTS AGAINST SPONSORED FELLOWSHIPS & SCHOLARSHIPS**

(Amount in Rs.)

HEAD OF ACCOUNT	OPENING BALANCE AS ON 01/04/2015		TRANSACTION DURING THE YEAR 2015-16		CLOSING BALANCE AS ON 31/03/2016	
	DEBIT	CREDIT	DEBIT	CREDIT	DEBIT	CREDIT
<u>INSTITUTE</u>						
Conference ICPCES - 2010-11 EED	-	539,217.00	539,217.00		-	-
ICSSR - Fellowship (Doctoral)	-	159,489.00			-	159,489.00
NRSA Project - Satellite Data Compression Decomposition	-	218,279.00			-	218,279.00
U.G.C.	-	211,200.00	1,885,071.00	1,673,871.00	-	-
QIP Stipend & Contingency	-	785,639.00	739,724.00	-	-	45,915.00
Outside Scholarship	-	67,547.00	1,715,200.00	1,929,308.00	-	281,655.00
U.G.C. Fellowship	-	638,737.00	194,177.00	25,395.00	-	469,955.00
AIEEE Scholarship	-	105,000.00	105,000.00	1,400,000.00	-	1,400,000.00
<u>SUBSIDIARIES</u>						
Project Account :						
Project (Running)	-	26,921,068.00	20,135,906.00	30,917,765.00	-	37,702,927.00
Project (Deffered Grant)	-	56,136,947.00	-	4,670,792.00	-	60,807,739.00
					-	
TOTAL	-	85,783,123.00	25,314,295.00	40,617,131.00	-	101,085,959.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'B' OF SCH '3'

B(4). OTHER CURRENT LIABILITIES- UNUTILISED GRANTS

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR
<u>CENTRAL GOVERNMENT - NON PLAN</u>		
Balance B/F	168,536,403.93	142,442,123.00
Add: Receipts during the year		
i. Donation/Grants	380,000,000.00	440,000,000.00
ii. Institute Receipts	229,170,308.00	206,026,210.00
TOTAL (a)	777,706,711.93	788,468,333.00
Less: Utilization/Expenditure towards objectives of funds		
i. Capital Expenditure	-	-
ii. Revenue Expenditure	663,778,377.00	619,931,929.07
TOTAL (b)	663,778,377.00	619,931,929.07
Unutilized carried forward (a-b)=B	113,928,334.93	168,536,403.93
<u>CENTRAL GOVERNMENT - PLAN</u>		
Balance B/F	(156,835,042.70)	(204,383,554.57)
Add: Receipts during the year		
i. Donation/Grants	550,000,000.00	490,398,000.00
TOTAL (a)	393,164,957.30	286,014,445.43
Less: Utilization/ Expenditure towards objectives of funds		
i. Capital Expenditure	211,884,663.00	265,234,867.13

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ii. Revenue Expenditure	191,212,616.00	177,614,621.00
TOTAL (b)	403,097,279.00	442,849,488.13
Excess Utilization carried forward (a-b)=A	(9,932,321.70)	(156,835,042.70)

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'B' OF SCH '3'

**CURRENT LIABILITIES AND PROVISIONS
B(5). OTHER CURRENT LIABILITIES- OTHER FUNDS**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Receipts During the Year	Payments During the Year	As at March 31, 2016	As at March 31, 2015
Alumni Association	578,370.00	-	578,370.00	-	578,370.00
Bal Bharti Vidyalaya (Const of Building)	150,000.00	-	-	150,000.00	150,000.00
NMEICT Scheme	94,271.00	122,993.00	98,940.00	118,324.00	94,271.00
TEQIP-I Fund (Balance Fund)	7,084,346.00			7,084,346.00	7,084,346.00
NIMSET Scheme	100,000.00	-	100,000.00	-	100,000.00
Prime Minister Relief Fund	-	165,675.00	165,675.00	-	-
ICCCT Seed	50,000.00		50,000.00	-	50,000.00
TEQIP-II Stipend	2,701,818.00	9,400,000.00	6,807,886.00	5,293,932.00	2,701,818.00
TOTAL	10,758,805.00	9,688,668.00	7,800,871.00	12,646,602.00	10,758,805.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'B' OF SCH '3'

**CURRENT LIABILITIES AND PROVISIONS
B(6). OTHER CURRENT LIABILITIES- OTHER LIABILITIES**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Receipts During the Year	Payments During the Year	As at March 31, 2016	As at March 31, 2015
Cancelled Cheques	13,870,442.00	2,952,273.00	1,552,970.00	15,269,745.00	13,870,442.00
DST New Delhi/Inspire	547,699.00	6,403,736.00	5,363,800.00	1,587,635.00	547,699.00
Examination Fees	19,423,944.00	15,403,538.00	70,500.00	34,756,982.00	19,423,944.00
House and building recovery employees	-	280,760.00	280,760.00	-	-
L.I.C.	440,211.80	798,824.00	735,014.00	504,021.80	440,211.80
M.Tech (Part Time)	11,657,267.00	-	7,247,291.00	4,409,976.00	11,657,267.00
Diety Programme		2,600,025.00		2,600,025.00	
Other Liabilities (Misc. Receipt Transfer)	10,594,222.00	6,059,457.00	5,830,832.00	10,822,847.00	10,594,222.00
Employees loan from SBI	-	504,492.00	504,492.00	-	-
Merit Scholarship	260,000.00	502,000.00	762,000.00	-	260,000.00
State Scholarship	(41,658.00)	41,658.00		-	(41,658.00)
Retirement Benefit Received From Other Institution	646,793.00	3,419,922.00	-	4,066,715.00	646,793.00
Revenue Stamp (Stamp Fees)	-	9,131.00	9,131.00	-	-
C-DAC	116,240.00		116,240.00	-	116,240.00
Caution Money	22,783,808.00	3,144,000.00	1,322,000.00	24,605,808.00	22,783,808.00
Earnest Money/ Security Money	11,131,398.00	4,249,019.00	4,749,367.00	10,631,050.00	11,131,398.00
Project Account Dean R & C	1,986,451.00			1,986,451.00	1,986,451.00

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GAIN Project		2,992,000.00	-	2,992,000.00	
TEQIP-II	203,709.00	-	203,709.00	-	203,709.00
LSDSS Project 2015		42,430.00	15,000.00	27,430.00	
Project A/c		1,827,082.00	1,827,082.00	-	
Salary Adhoc		1,005,040.00	1,005,040.00	-	
Prayag Project		200,000.00	199,462.00	538.00	
Union Donation		71,500.00	71,500.00	-	
SUBSIDIARIES					
Alumni Association - Amount Payable	3,584,450.00	916,600.00		4,501,050.00	3,584,450.00
Dean Academics - Cancelled Cheques	10,000.00	121,065.00		131,065.00	10,000.00
Industrial Estate - Expenses Payable	126,518.00			126,518.00	126,518.00
Project Account - Accounting Charges Payable	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Project Account - Salary Payable	113,068.00			113,068.00	113,068.00
Project Account - MNNIT	8,721,325.00			8,721,325.00	8,721,325.00
Project Account - Receipt From Teqip		1,960,873.00		1,960,873.00	
Project Account - University of Allahabad	155,691.00		155,691.00	-	155,691.00
R&C Cell - Cancelled Cheques	63,305.00			63,305.00	63,305.00
R&C Cell - Expenses Payable	44,972.00	20,000.00	42,972.00	22,000.00	44,972.00
SNFCE- C-Dac	30,792.00	-	157,400.00	(126,608.00)	30,792.00
SNFCE- Cancelled Cheque	-	30,200.00	-	30,200.00	-
Caution Money	422,655.00			422,655.00	422,655.00
Earnest Money/ Security Money	241,404.00			241,404.00	241,404.00
Security Received (Industrial Estate)	53,340.00			53,340.00	53,340.00
TOTAL	107,208,046.80	55,575,625.00	32,242,253.00	130,541,418.80	107,208,046.80

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(7). PROVISION- EXPENSES PAYABLE

(Amount in Rs.)

Particulars	As at March 31, 2016		As at March 31, 2015	
Salaries & Wages :				
Pay Director & Teaching	8,242,020.00		8,183,530.00	
Pay Administrative Officer	440,690.00		311,390.00	
Pay Other Staff	2,565,913.00	11,248,623.00	2,695,683.00	11,190,603.00
Dearness Allowances:				
Director & Teaching	9,808,022.00		8,756,391.00	
Administrative Officer	524,422.00		333,190.00	
Other Staff	3,053,434.00	13,385,878.00	2,884,390.00	11,973,971.00
HRA:				
Director & Teaching	265,078.00		267,198.00	
Administrative Officer	45,644.00		12,602.00	
Other Staff	278,432.00	589,154.00	273,076.00	552,876.00
Transport Allowances:				
Director & Teaching	655,248.00		938,952.00	
Administrative Officer	50,808.00		42,228.00	
Other Staff	315,118.00	1,021,174.00	477,850.00	1,459,030.00
Family Planning Incentive Allowance		16,640.00		17,870.00
Washing Allowance		9,630.00		10,777.00

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Special Allowance		73,575.00			106,107.00
Deans Honorarium		21,000.00			24,500.00
Cash Handling Allowance		230.00			150.00
Medical Allowance		182,500.00			177,500.00
ARREARS					
Pay Revision - Teaching/ Non Teaching		891,845.00			121,238.00
Pensioners					
C.A. Fees Payable		207,000.00			205,200.00
C.P.F. Payable		19,786.00			19,208.00
Electricity & Power Payable					
Institute	9,247,858.00			3,100,000.00	
Colony	157,075.00			157,075.00	
Hostel	-	9,404,933.00		1,449,869.00	4,706,944.00
Pay on Contractual Staff		4,176,398.00			3,510,470.00
Security Charges Payable		2,247,189.00			2,059,134.00
Telephone Expenses Payable		266,948.00			43,801.00
Total		43,762,503.00			36,179,379.00

Fund Flow Plan & Non Plan Expenditure

A. Fund available for 2015-16

(Amt. in Lakhs)

Particulars	Plan	Non Plan	Total
Opening Balance as on 01.04.2015	-1568.35	1685.36	117.01
Total Grant Received	5500	3800	9300
Internal Revenue Generation	0	2291.7	2291.7
Total	3931.65	7777.06	11708.71
B. Plan Expenditure/ Non Plan Expenditure			
			(Amt. in Lakhs)
Particulars	Plan	Non Plan	Total
Expenditure	4030.97	6637.78	10668.75
Unspent/Deficit balance as on 31.03.2016	-99.32	1139.28	1039.96
C. Budget Approved			
			(Amt. in Lakhs)
Particulars	Plan	Non Plan	Total
Approved Budget by FC/BOG	13447.5	8541.2	21988.7

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

(Amount-Rs)

SCHEDULE 4-FIXED ASSETS (INSTITUTE)

Tangible Assets	Anne xure no.	GROSS BLOCK			DEPRECIATION			NET BLOCK	
		Opening Balance on 01.04.2015	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year-end	As at the current year ended 31.03.2016	As at the current year ended 31.03.2015
INSTITUTE									
1. Land		52,145,714.00		52,145,714.00		-		52,145,714.00	52,145,714.00
2. Buildings	C 1	1,227,838,954.48	18,385,669.00	1,246,224,623.48	238,840,712.00	24,924,493.00	263,765,205.00	982,459,418.48	988,998,242.48
3.Plant, machinery and equipments	C 2	614,659,485.19	75,211,037.00	689,870,522.19	287,767,280.00	34,493,526.00	322,260,806.00	367,609,716.19	326,892,205.19
4. Vehicles	C 3	5,974,812.00	-	5,974,812.00	4,976,801.00	597,482.00	5,574,283.00	400,529.00	998,011.00
5. Furniture and fixtures	C 4	142,526,989.00	4,052,263.00	146,579,252.00	80,965,001.00	10,993,444.00	91,958,445.00	54,620,807.00	61,561,988.00
6. Office equipment	C 5	18,741,900.05	858,774.00	19,600,674.05	9,591,393.00	1,470,050.00	11,061,443.00	8,539,231.05	9,150,507.05
7. Computer peripherals	C 6	215,685,004.90	13,309,412.00	228,994,416.90	199,112,756.00	45,798,884.00	244,911,640.00	(15,917,223.10)	16,572,248.90
8. Electric installations	C 7	109,614,149.00	1,260,341.00	110,874,490.00	54,069,206.00	5,543,725.00	59,612,931.00	51,261,559.00	55,544,943.00
9. Library books	C 8	187,805,727.00	-	187,805,727.00	153,306,848.00	18,780,573.00	172,087,421.00	15,718,306.00	34,498,879.00
10. Other fixed assets	C 9	84,390,139.60	671,338.00	85,061,477.60	21,887,822.00	6,379,611.00	28,267,433.00	56,794,044.60	62,502,317.60
11. Tube wells and water supply		2,002,100.00	-	2,002,100.00	706,187.00	40,042.00	746,229.00	1,255,871.00	1,295,913.00
Total (A)		2,661,384,975.22	113,748,834.00	2,775,133,809.22	1,051,224,006.00	149,021,830.00	1,200,245,836.00	1,574,887,973.22	1,610,160,969.22

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Capital works in progress (B)			3,165,821.00	3,165,821.00				3,165,821.00	-
Total (B)		-	3,165,821.00	3,165,821.00	-	-	-	3,165,821.00	-
Intangible Assets (C)									
Computer Software(Dep: 40%)		2,242,800.00	-	2,242,800.00	897,120.00	897,120.00	1,794,240.00	448,560.00	1,345,680.00
E-Journals (Dep: 40%)		3,674,129.13	94,970,008.00	98,644,137.13	1,469,652.00	39,457,655.00	40,927,307.00	57,716,830.13	2,204,477.13
Total (C)		5,916,929.13	94,970,008.00	100,886,937.13	2,366,772.00	40,354,775.00	42,721,547.00	58,165,390.13	3,550,157.13
Grand Total (A+B+C)		2,667,301,904.35	211,884,663.00	2,879,186,567.35	1,053,590,778.00	189,376,605.00	1,242,967,383.00	1,636,219,184.35	1,613,711,126.35

(Amount-Rs)

SCHEDULE 4-FIXED ASSETS (SUBSIDIARY)

Tangible Assets	Annexure no.	GROSS BLOCK			DEPRECIATION			NET BLOCK	
		Opening Balance on 01.04.2015	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year-end	As at the current year ended 31.03.2016	As at the current year ended 31.03.2015
INSTITUTE									
1. Land									
2. Buildings	C 1								
3.Plant, machinery and equipment	C 2	61,064,246.00	4,548,429.00	65,612,675.00	-	3,280,634.00	3,280,634.00	62,332,041.00	61,064,246.00
4. Vehicles	C 3	-	-	-	-	-	-	-	-
5. Furniture and fixtures	C 4	618,893.61	330,771.00	949,664.61	-	71,225.00	71,225.00	878,439.61	618,893.61
6. Office equipment	C 5	647,562.00	321,848.00	969,410.00	-	72,706.00	72,706.00	896,704.00	647,562.00
7. Computer peripherals	C 6	22,958,275.64	565,846.00	23,524,121.64	-	4,704,824.00	4,704,824.00	18,819,297.64	22,958,275.64
8. Electric installations	C 7	693,840.00	258,317.00	952,157.00	-	47,608.00	47,608.00	904,549.00	693,840.00
9. Library books	C 8								

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		14,652,527.00	30,469.00	14,682,996.00	-	1,468,300.00	1,468,300.00	13,214,696.00	14,652,527.00
10. Other fixed assets	C 9	1,015,359.00	-	1,015,359.00	-	-	-	1,015,359.00	1,015,359.00
11. Tube wells and water supply		-	-	-	-	-	-	-	-
Total		101,650,703.25	6,055,680.00	107,706,383.25	-	9,645,297.00	9,645,297.00	98,061,086.25	101,650,703.25

SCHEDULE 4-FIXED ASSETS (SUBSIDIARY & INSTITUTE)

Tangible Assets	Annexure no.	GROSS BLOCK			DEPRECIATION			NET BLOCK	
		Opening Balance on 01.04.2015	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year-end	As at the current year ended 31.03.2016	As at the current year ended 31.03.2015
Tangible Assets:									
Institute		2,661,384,975.22	113,748,834.00	2,775,133,809.22	1,051,224,006.00	149,021,830.00	1,200,245,836.00	1,574,887,973.22	1,610,160,969.22
Subsidiary		101,650,703.25	6,055,680.00	107,706,383.25	-	9,645,297.00	9,645,297.00	98,061,086.25	101,650,703.25
Total (A)		2,763,035,678.47	119,804,514.00	2,882,840,192.47	1,051,224,006.00	158,667,127.00	1,209,891,133.00	1,672,949,059.47	1,711,811,672.47
Capital works in progress (Institute) (B)			3,165,821.00	3,165,821.00				3,165,821.00	-
Intangible Assets (Institute) (C)		5916929.13	94970008.00	100886937.13	2366772.00	40354775.00	42721547.00	58165390.13	3550157.13
Total (A+B+C)		2,768,952,607.60	217,940,343.00	2,986,892,950.60	1,053,590,778.00	199,021,902.00	1,252,612,680.00	1,734,280,270.60	1,715,361,829.60

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 4

**FIXED ASSETS
C(1). BUILDINGS**

(Amount in
Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<i>Assets out of Capital Fund:</i>								
Addition to Building (RBS)	30,873,572.00	-	30,873,572.00	-	-	-	30,873,572.00	30,873,572.00
Admission Committee	205,000.00	-	205,000.00	-	-	-	205,000.00	205,000.00
Asset Trf from TEQIP	10,783,205.00	-	10,783,205.00	-	-	-	10,783,205.00	10,783,205.00
Boundary Wall	405,000.00	-	405,000.00	-	-	-	405,000.00	405,000.00
C.C. Road	601,214.00	-	601,214.00	-	-	-	601,214.00	601,214.00
Car Garage	225,931.00	-	225,931.00	-	-	-	225,931.00	225,931.00
Const. of Faculty Room & Lab.	6,725,351.00	-	6,725,351.00	-	-	-	6,725,351.00	6,725,351.00
Construction of Boys Hostel	81,588,025.00	-	81,588,025.00	-	-	-	81,588,025.00	81,588,025.00
Construction of Girls Hostel	101,878.00	-	101,878.00	-	-	-	101,878.00	101,878.00
Construction of Shop Store	96,500.00	-	96,500.00	-	-	-	96,500.00	96,500.00
Excellence in Rec	3,916,425.00	-	3,916,425.00	-	-	-	3,916,425.00	3,916,425.00
Guest House	325,389.00	-	325,389.00	-	-	-	325,389.00	325,389.00
Institute Building	61,825,379.00	-	61,825,379.00	-	-	-	61,825,379.00	61,825,379.00
M/R Colony	27,123.00	-	27,123.00	-	-	-	27,123.00	27,123.00
M/R Institute Building	19,477.00	-	19,477.00	-	-	-	19,477.00	19,477.00
P.G. Course Building	2,901,644.00	-	2,901,644.00	-	-	-	2,901,644.00	2,901,644.00
REC-British University	4,729,578.00	-	4,729,578.00	-	-	-	4,729,578.00	4,729,578.00

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Collaboration								
Renovation of Computer Building	51,795.00	-	51,795.00	-	-	-	51,795.00	51,795.00
Renovation of Electrical System	303,765.00	-	303,765.00	-	-	-	303,765.00	303,765.00
Research & Development Centre	73,563.00	-	73,563.00	-	-	-	73,563.00	73,563.00
RIDC Account	184,613.00	-	184,613.00	-	-	-	184,613.00	184,613.00
School of Non Formal Office	145,048.00	-	145,048.00	-	-	-	145,048.00	145,048.00
Shed (Design Centre)	95,126.00	-	95,126.00	-	-	-	95,126.00	95,126.00
Shed (Industrial Estate)	5,162,464.00	-	5,162,464.00	-	-	-	5,162,464.00	5,162,464.00
Shed (P.D.T.C)	599,596.00	-	599,596.00	-	-	-	599,596.00	599,596.00
Soil Exploration & Foundation	152,789.00	-	152,789.00	-	-	-	152,789.00	152,789.00
Staff Quarter	19,665,842.00	-	19,665,842.00	-	-	-	19,665,842.00	19,665,842.00
Structural Testing & Design	132,993.00	-	132,993.00	-	-	-	132,993.00	132,993.00
Student Staff Amenities	5,711,477.00	-	5,711,477.00	-	-	-	5,711,477.00	5,711,477.00
UPM CAT Building	3,859,028.00	-	3,859,028.00	-	-	-	3,859,028.00	3,859,028.00
Depreciation @2%	-	-	-	121,943,167.00	4,829,776.00	126,772,943.00	(126,772,943.00)	(121,943,167.00)
Sub Total	241,488,790.00	-	241,488,790.00	121,943,167.00	4,829,776.00	126,772,943.00	114,715,847.00	119,545,623.00
<u>Assets out of Deferred Government Grants:</u>								
Addition to Building (RBS)	45,115,053.00	18,385,669.00	63,500,722.00	-	-	-	63,500,722.00	45,115,053.00
Renovation of Electrical System & Facilities	1,665,941.00		1,665,941.00	-	-	-	1,665,941.00	1,665,941.00
Augmentation of Acad. & Physical Infrastructure	247,314,100.48	-	247,314,100.48	-	-	-	247,314,100.48	247,314,100.48
Automation of Kitchen	1,549,155.00	-	1,549,155.00	-	-	-	1,549,155.00	1,549,155.00
Construction of ED Centre	38,173,894.00	-	38,173,894.00	-	-	-	38,173,894.00	38,173,894.00
Construction of Institute Gate	3,356,464.00	-	3,356,464.00	-	-	-	3,356,464.00	3,356,464.00
Extension of Dispensary	14,566,050.00	-	14,566,050.00	-	-	-	14,566,050.00	14,566,050.00

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M/R Colony - Building & Road	38,970.00	-	38,970.00	-	-	-	38,970.00	38,970.00
M/R Hostel - Building & Road	16,480.00	-	16,480.00	-	-	-	16,480.00	16,480.00
MCA Contingency	43,550.00	-	43,550.00	-	-	-	43,550.00	43,550.00
OBC Plan Grant	260,181.00	-	260,181.00	-	-	-	260,181.00	260,181.00
Renovation of Building Structure	26,620,470.00	-	26,620,470.00	-	-	-	26,620,470.00	26,620,470.00
Plan Grant	29,944,205.00	-	29,944,205.00	-	-	-	29,944,205.00	29,944,205.00
Hostel & Faculty Residence	577,556,676.00	-	577,556,676.00	-	-	-	577,556,676.00	577,556,676.00
Depreciation @2%	-	-	-	116,863,199.00	20,092,137.00	136,955,336.00	(136,955,336.00)	(116,863,199.00)
Sub Total	986,221,189.48	18,385,669.00	1,004,606,858.48	116,863,199.00	20,092,137.00	136,955,336.00	867,651,522.48	869,357,990.48
<i>Assets out of Institute Receipts</i>								
SMS Operating Cost	31,337.00	-	31,337.00	-	-	-	31,337.00	31,337.00
Placement Charges	97,638.00	-	97,638.00	-	-	-	97,638.00	97,638.00
Depreciation @ 2%	-	-	-	34,346.00	2,580.00	36,926.00	(36,926.00)	(34,346.00)
Sub Total	128,975.00	-	128,975.00	34,346.00	2,580.00	36,926.00	92,049.00	94,629.00
Total	1,227,838,954.48	18,385,669.00	1,246,224,623.48	238,840,712.00	24,924,493.00	263,765,205.00	982,459,418.48	988,998,242.48

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C(2). PLANT, MACHINERY & EQUIPMENT

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<i>Assets out of Capital Fund:</i>								
Academic Account	364,921.00		364,921.00	-	-	-	364,921.00	364,921.00
Admission Committee (SMS)	24,400.00	-	24,400.00	-	-	-	24,400.00	24,400.00
Applied Mechanics Department (U.G.)	16,100.00	-	16,100.00	-	-	-	16,100.00	16,100.00
Asset Trf from TEQIP	114,256,984.00	-	114,256,984.00	-	-	-	114,256,984.00	114,256,984.00
Civil Engineering Department (P.G.)	27,080.00	-	27,080.00	-	-	-	27,080.00	27,080.00
Civil Engineering Department (U.G.)	39,317.00	-	39,317.00	-	-	-	39,317.00	39,317.00
Class Pilot Project	8,060.00	-	8,060.00	-	-	-	8,060.00	8,060.00
Computer Science Course	6,276,820.00	-	6,276,820.00	-	-	-	6,276,820.00	6,276,820.00
Computer Science Department (U.G.)	216,876.00	-	216,876.00	-	-	-	216,876.00	216,876.00
Development Centre Excellence Environment	303,650.00	-	303,650.00	-	-	-	303,650.00	303,650.00
Development of Lawn & Gardening (PLAN-State)	18,347.00	-	18,347.00	-	-	-	18,347.00	18,347.00
Development of Polymer Research Work	692,000.00	-	692,000.00	-	-	-	692,000.00	692,000.00

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Development of Robotics Facilities	182,600.00	-	182,600.00	-	-	-	182,600.00	182,600.00
Development of Vision System Lab.	979,758.00	-	979,758.00	-	-	-	979,758.00	979,758.00
Dynamo Meter	15,545.00	-	15,545.00	-	-	-	15,545.00	15,545.00
Electronics Engineering Course	1,267,788.00	-	1,267,788.00	-	-	-	1,267,788.00	1,267,788.00
Equipment under U.K. Grant	25,023,947.00	-	25,023,947.00	-	-	-	25,023,947.00	25,023,947.00
Excellence in REC	10,555,940.00	-	10,555,940.00	-	-	-	10,555,940.00	10,555,940.00
General Utility Equipment/ Upd & Exp of Lab.	17,690,344.00	-	17,690,344.00	-	-	-	17,690,344.00	17,690,344.00
Gymkhana Games & Sports	68,200.00	-	68,200.00	-	-	-	68,200.00	68,200.00
Hostel Utensils	124,350.00	-	124,350.00	-	-	-	124,350.00	124,350.00
Improvement Facility on Guest House	450,296.00	-	450,296.00	-	-	-	450,296.00	450,296.00
Industrial Estate	943,664.00	-	943,664.00	-	-	-	943,664.00	943,664.00
Institute (U.G.)	96,409,291.00	-	96,409,291.00	-	-	-	96,409,291.00	96,409,291.00
M/R Institute (Lawn & Garden)	20,000.00	-	20,000.00	-	-	-	20,000.00	20,000.00
M/R Institute Building	39,293.00	-	39,293.00	-	-	-	39,293.00	39,293.00
MCA Contingencies	27,500.00	-	27,500.00	-	-	-	27,500.00	27,500.00
MCA Course	499,940.00	-	499,940.00	-	-	-	499,940.00	499,940.00
Mechanical Engineering Department (P.G.)	8,424.00	-	8,424.00	-	-	-	8,424.00	8,424.00
Mechanical Engineering Department (U.G.)	457,192.00	-	457,192.00	-	-	-	457,192.00	457,192.00
Mod. of Chemical Lab	690,150.00	-	690,150.00	-	-	-	690,150.00	690,150.00
Mod. of Geo Technical Lab.	589,295.00	-	589,295.00	-	-	-	589,295.00	589,295.00
Mod. of Instruments of Cent	23,362.00	-	23,362.00	-	-	-	23,362.00	23,362.00
Mod. of MED Deptt.	400,000.00	-	400,000.00	-	-	-	400,000.00	400,000.00
Nodal Centre	350,445.00	-	350,445.00	-	-	-	350,445.00	350,445.00

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NRI	1,351,056.00	-	1,351,056.00	-	-	-	1,351,056.00	1,351,056.00
P.D.T.C.	134,008.00	-	134,008.00	-	-	-	134,008.00	134,008.00
P.G. Equipment	2,457,251.00	-	2,457,251.00	-	-	-	2,457,251.00	2,457,251.00
Pre Exam Training Centre	8,038.00	-	8,038.00	-	-	-	8,038.00	8,038.00
Product Engineering Course	1,868,242.00	-	1,868,242.00	-	-	-	1,868,242.00	1,868,242.00
Project Account	1,850,206.00	-	1,850,206.00	-	-	-	1,850,206.00	1,850,206.00
Pumping Set & Generator (Admission Committee)	38,030.00	-	38,030.00	-	-	-	38,030.00	38,030.00
REC-British University Collaboration	9,859,340.00	-	9,859,340.00	-	-	-	9,859,340.00	9,859,340.00
Research & Development Cell	145,643.00	-	145,643.00	-	-	-	145,643.00	145,643.00
Research Project & Others	1,742,954.00	-	1,742,954.00	-	-	-	1,742,954.00	1,742,954.00
Soil Exploration & Foundation Design Centre	85,457.00	-	85,457.00	-	-	-	85,457.00	85,457.00
Structural Testing & Designing	31,500.00	-	31,500.00	-	-	-	31,500.00	31,500.00
Study on Mechanism Pollutant	43,000.00	-	43,000.00	-	-	-	43,000.00	43,000.00
Training & Placement	71,537.00	-	71,537.00	-	-	-	71,537.00	71,537.00
Xerox Photo Copier	133,300.00	-	133,300.00	-	-	-	133,300.00	133,300.00
Depreciation @ 5%	-	-	-	235,560,007.00	14,944,072.00	250,504,079.00	(250,504,079.00)	(235,560,007.00)
Sub Total	298,881,441.00	-	298,881,441.00	235,560,007.00	14,944,072.00	250,504,079.00	48,377,362.00	63,321,434.00
Assets out of Deferred Government Grants:								
Addition to Equipments (RBS)	691,950.00	-	691,950.00	-	-	-	691,950.00	691,950.00
Renovation of Electrical System & Facilities	1,852,709.00	-	1,852,709.00	-	-	-	1,852,709.00	1,852,709.00
Applied Mechanics Dept.(P.G.)	167,444.00	-	167,444.00	-	-	-	167,444.00	167,444.00
Applied Mechanics Dept.(U.G.)	93,503.00	-	93,503.00	-	-	-	93,503.00	93,503.00
Augmentation of Acad. & Infrastructure	2,452,000.00	-	2,452,000.00	-	-	-	2,452,000.00	2,452,000.00
Automation of Kitchen - Hostel	2,097,232.00	-	2,097,232.00	-	-	-	2,097,232.00	2,097,232.00

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Biotech Dept (U.G.)	14,910.00		14,910.00	-	-	-	14,910.00	14,910.00
Chemistry Deptt. (U.G.)	34,490.00		34,490.00	-	-	-	34,490.00	34,490.00
Civil Engg. Deptt.(U.G.)	68,230.00		68,230.00	-	-	-	68,230.00	68,230.00
Civil Engg. Deptt.(P.G.)	41,695.00		41,695.00	-	-	-	41,695.00	41,695.00
Computer Sc. Deptt. (U.G.)	7,275.00		7,275.00	-	-	-	7,275.00	7,275.00
Electrical Engg. Deptt. (U.G.)	108,474.00		108,474.00	-	-	-	108,474.00	108,474.00
Electronics Engg. Deptt. (U.G.)	23,088.00		23,088.00	-	-	-	23,088.00	23,088.00
Electronics Engg. Deptt. (P.G.)	67,760.00		67,760.00	-	-	-	67,760.00	67,760.00
MED (U.G.)	115,466.00		115,466.00	-	-	-	115,466.00	115,466.00
MED (P.G.)	9,775.00		9,775.00	-	-	-	9,775.00	9,775.00
General Utility Equipment/ Upd & Exp of Lab.	159,092,050.69	45,920,428.00	205,012,478.69	-	-	-	205,012,478.69	159,092,050.69
Maint. of Computer & Equipment	42,720.00		42,720.00	-	-	-	42,720.00	42,720.00
Maintenance Institute (Lawn & Garden)	55,000.00		55,000.00	-	-	-	55,000.00	55,000.00
Maintenance & Repairs - Recurring (OBC)	1,474,200.00		1,474,200.00	-	-	-	1,474,200.00	1,474,200.00
OBC Plan Grant	32,653,633.00		32,653,633.00	-	-	-	32,653,633.00	32,653,633.00
Plan Grant	1,695,483.50		1,695,483.50	-	-	-	1,695,483.50	1,695,483.50
Physics Deptt.	43,941.00		43,941.00	-	-	-	43,941.00	43,941.00
Renovation of Electric System & Facilities	7,308,162.00	8,306,098.00	15,614,260.00	-	-	-	15,614,260.00	7,308,162.00
Research Grant	961,015.00		961,015.00	-	-	-	961,015.00	961,015.00
Addition to Equipments	104,450,358.00	20,984,511.00	125,434,869.00	-	-	-	125,434,869.00	104,450,358.00
Depreciation @ 5%	-		-	52,144,688.00	19,541,680.00	71,686,368.00	(71,686,368.00)	(52,144,688.00)
Sub Total	315,622,564.19	75,211,037.00	390,833,601.19	52,144,688.00	19,541,680.00	71,686,368.00	319,147,233.19	263,477,876.19
<u>Assets out of Institute Receipts</u>								
Raw Material & Consumable of Lab	20,790.00	-	20,790.00	-	-	-	20,790.00	20,790.00

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Stencil charges	79,790.00		79,790.00	-	-	-	79,790.00	79,790.00
SMS/MBA/MMS Operating Cost	54,900.00		54,900.00	-	-	-	54,900.00	54,900.00
Depreciation @ 5%	-		-	62,585.00	7,774.00	70,359.00	(70,359.00)	(62,585.00)
Sub Total	155,480.00	-	155,480.00	62,585.00	7,774.00	70,359.00	85,121.00	92,895.00
TOTAL	614,659,485.19	75,211,037.00	689,870,522.19	287,767,280.00	34,493,526.00	322,260,806.00	367,609,716.19	326,892,205.19

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								
TEQIP II	11,814,727.00		11,814,727.00	-	590,736.00	590,736.00	11,223,991.00	11,814,727.00
Dean Academic Affairs	15,380.00		15,380.00	-	769.00	769.00	14,611.00	15,380.00
Project Account	47,626,664.00	4,519,929.00	52,146,593.00	-	2,607,330.00	2,607,330.00	49,539,263.00	47,626,664.00
R&C Cell	1,607,475.00	28,500.00	1,635,975.00	-	81,799.00	81,799.00	1,554,176.00	1,607,475.00
TOTAL	61,064,246.00	4,548,429.00	65,612,675.00	-	3,280,634.00	3,280,634.00	62,332,041.00	61,064,246.00

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C(3). VEHICLES

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Capital Fund:</u>								
Admission Committee	29,996.00	-	29,996.00	-	-	-	29,996.00	29,996.00
Cycle	850.00	-	850.00	-	-	-	850.00	850.00

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Industrial Estate (Cycle)	550.00	-	550.00	-	-	-	550.00	550.00
Maint. & Rep.Institute -- Building & Road	4,740.00	-	4,740.00	-	-	-	4,740.00	4,740.00
Student Welfare Fund	300,359.00	-	300,359.00	-	-	-	300,359.00	300,359.00
Vehicle	4,097,962.00	-	4,097,962.00	-	-	-	4,097,962.00	4,097,962.00
Depreciation @ 10%	-	-	-	4,010,835.00	443,446.00	4,454,281.00	(4,454,281.00)	(4,010,835.00)
Sub Total	4,434,457.00	-	4,434,457.00	4,010,835.00	443,446.00	4,454,281.00	(19,824.00)	423,622.00
Assets out of Deferred Government Grants:								
General Utility Equipment	698,071.00	-	698,071.00	-	-	-	698,071.00	698,071.00
Landscaping & Gardening	842,284.00	-	842,284.00	-	-	-	842,284.00	842,284.00
Depreciation @ 10%	-	-	-	965,966.00	154,036.00	1,120,002.00	(1,120,002.00)	(965,966.00)
Sub Total	1,540,355.00	-	1,540,355.00	965,966.00	154,036.00	1,120,002.00	420,353.00	574,389.00
		-						
TOTAL	5,974,812.00	-	5,974,812.00	4,976,801.00	597,482.00	5,574,283.00	400,529.00	998,011.00

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C(4). FURNITURE & FIXTURES

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
Assets out of Capital Fund:								
Academic Account	7,452.00	-	7,452.00	-	-	-	7,452.00	7,452.00
Admission Committee	209,711.00	-	209,711.00	-	-	-	209,711.00	209,711.00
Admission Committee(SMS)	13,881.00	-	13,881.00	-	-	-	13,881.00	13,881.00
Applied Maths & SC (U.G.)	71,635.00	-	71,635.00	-	-	-	71,635.00	71,635.00
Applied Mechanics Deptt. (P.G.)	81,878.00	-	81,878.00	-	-	-	81,878.00	81,878.00

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Assets Trf from TEQIP	2,236,348.00	-	2,236,348.00	-	-	-	2,236,348.00	2,236,348.00
Civil Engg. Deptt (PG)	35,200.00	-	35,200.00	-	-	-	35,200.00	35,200.00
Civil Engg. Deptt (UG)	9,800.00	-	9,800.00	-	-	-	9,800.00	9,800.00
Computer Science & Develop.	81,420.00	-	81,420.00	-	-	-	81,420.00	81,420.00
Dev. of High Speed Communication	38,991.00	-	38,991.00	-	-	-	38,991.00	38,991.00
Dev. of Robotics Facility	80,960.00	-	80,960.00	-	-	-	80,960.00	80,960.00
Dev. of VLSI Project	51,306.00	-	51,306.00	-	-	-	51,306.00	51,306.00
Dynamic Analysis Cutting	26,928.00	-	26,928.00	-	-	-	26,928.00	26,928.00
Elect. Engg. Department (P.G)	9,600.00	-	9,600.00	-	-	-	9,600.00	9,600.00
Electronics Engg. Deptt (UG)	46,742.00	-	46,742.00	-	-	-	46,742.00	46,742.00
Equipment of Dispensary	130,801.00	-	130,801.00	-	-	-	130,801.00	130,801.00
Examination Section	521,930.00	-	521,930.00	-	-	-	521,930.00	521,930.00
General Utility Equipment	230,260.00	-	230,260.00	-	-	-	230,260.00	230,260.00
Gymkhana Games & Sports	8,950.00	-	8,950.00	-	-	-	8,950.00	8,950.00
Hostel Furniture	2,524,472.00	-	2,524,472.00	-	-	-	2,524,472.00	2,524,472.00
Industrial Estate	40,248.00	-	40,248.00	-	-	-	40,248.00	40,248.00
Library	20,776,983.00	-	20,776,983.00	-	-	-	20,776,983.00	20,776,983.00
Library P.G.	1,801,095.00	-	1,801,095.00	-	-	-	1,801,095.00	1,801,095.00
M/R Colony Building	13,800.00	-	13,800.00	-	-	-	13,800.00	13,800.00
M/R Colony Furniture	10,000.00	-	10,000.00	-	-	-	10,000.00	10,000.00
M/R Hostel Furniture	5,002.00	-	5,002.00	-	-	-	5,002.00	5,002.00
M/R Institute Building	83,550.00	-	83,550.00	-	-	-	83,550.00	83,550.00
M/R Institute Furniture	92,705.00	-	92,705.00	-	-	-	92,705.00	92,705.00
Maint. of Computer & Equip.	218,400.00	-	218,400.00	-	-	-	218,400.00	218,400.00
Mechanical Engg. Deptt (UG)	32,961.00	-	32,961.00	-	-	-	32,961.00	32,961.00
Misc. Exp. of Guest House (User)	102,612.00	-	102,612.00	-	-	-	102,612.00	102,612.00
MMS -Operating Cost	15,900.00	-	15,900.00	-	-	-	15,900.00	15,900.00

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Nodal Centre	35,811.00	-	35,811.00	-	-	-	35,811.00	35,811.00
Nodal Centre	9,386.00	-	9,386.00	-	-	-	9,386.00	9,386.00
Parameter Milling	12,134.00	-	12,134.00	-	-	-	12,134.00	12,134.00
Placement Charges	232,060.00	-	232,060.00	-	-	-	232,060.00	232,060.00
Plan - Furniture	20,913,531.00	-	20,913,531.00	-	-	-	20,913,531.00	20,913,531.00
Power of Electronics & Engg. Lab.	14,781.00	-	14,781.00	-	-	-	14,781.00	14,781.00
Product Dev. & Training Centre	1,980.00	-	1,980.00	-	-	-	1,980.00	1,980.00
Project Account	9,136.00	-	9,136.00	-	-	-	9,136.00	9,136.00
Q.I.P. Poly	78,000.00	-	78,000.00	-	-	-	78,000.00	78,000.00
Reek-British Uty. Colabor.	257,171.00	-	257,171.00	-	-	-	257,171.00	257,171.00
Renovation of Building Structure	1,215,601.00	-	1,215,601.00	-	-	-	1,215,601.00	1,215,601.00
SC/ST Exams Training Centre	21,439.00	-	21,439.00	-	-	-	21,439.00	21,439.00
School of Non Formal Continuing	3,590.00	-	3,590.00	-	-	-	3,590.00	3,590.00
Soil Exploration & F.D. Centre	9,610.00	-	9,610.00	-	-	-	9,610.00	9,610.00
Student Club	79,350.00	-	79,350.00	-	-	-	79,350.00	79,350.00
Text Book Lending Bank	24,933.00	-	24,933.00	-	-	-	24,933.00	24,933.00
Depreciation @ 7.5%	-	-	-	48,901,254.00	3,939,753.00	52,841,007.00	(52,841,007.00)	(48,901,254.00)
Sub Total	52,530,034.00	-	52,530,034.00	48,901,254.00	3,939,753.00	52,841,007.00	(310,973.00)	3,628,780.00
<u>Assets out of Deferred Government Grants:</u>		-						-
Applied Mechanics Deptt. (P.G.)	36,575.00	-	36,575.00	-	-	-	36,575.00	36,575.00
Applied Mechanics Deptt. (U.G.)	121,163.00	-	121,163.00	-	-	-	121,163.00	121,163.00
Biotech (U.G.)	22,246.00	-	22,246.00	-	-	-	22,246.00	22,246.00
Civil Engg. Deptt (U.G.)	14,077.00	-	14,077.00	-	-	-	14,077.00	14,077.00
Computer Sc. Deptt. (P.G.)	70,289.00	-	70,289.00	-	-	-	70,289.00	70,289.00
Computer Sc. Deptt. (U.G.)	114,172.00	-	114,172.00	-	-	-	114,172.00	114,172.00
Computer Science Course (Stationery)	298,658.00	-	298,658.00	-	-	-	298,658.00	298,658.00

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Elect. Engg. Department (P.G.)	14,136.00	-	14,136.00	-	-	-	14,136.00	14,136.00
Elect. Engg. Department (U.G.)	67,986.00	-	67,986.00	-	-	-	67,986.00	67,986.00
Electronics Engg. Deptt (P.G.)	15,300.00	-	15,300.00	-	-	-	15,300.00	15,300.00
Electronics Engg. Deptt (U.G.)	29,314.00	-	29,314.00	-	-	-	29,314.00	29,314.00
Faculty/Staff Development Programme	14,207.00	-	14,207.00	-	-	-	14,207.00	14,207.00
General Utility Equipment	1,138,151.00	-	1,138,151.00	-	-	-	1,138,151.00	1,138,151.00
Information & Technology (U.G.)	24,328.00	-	24,328.00	-	-	-	24,328.00	24,328.00
M/R Colony Furniture	72,466.00	-	72,466.00	-	-	-	72,466.00	72,466.00
M/R Hostel Building & Road	201,154.00	-	201,154.00	-	-	-	201,154.00	201,154.00
M/R Institute Building & Road	38,981.00	-	38,981.00	-	-	-	38,981.00	38,981.00
M/R Hostel Furniture	63,418.00	-	63,418.00	-	-	-	63,418.00	63,418.00
M/R Institute Furniture	26,209.00	-	26,209.00	-	-	-	26,209.00	26,209.00
Maint. of Computer & Equip.	49,292.00	-	49,292.00	-	-	-	49,292.00	49,292.00
MED Workshop	10,955.00	-	10,955.00	-	-	-	10,955.00	10,955.00
OBC Plan Grant	11,912,252.00	-	11,912,252.00	-	-	-	11,912,252.00	11,912,252.00
OBC Plan Grant	63,000.00	-	63,000.00	-	-	-	63,000.00	63,000.00
Physics Deptt. (U.G.)	35,753.00	-	35,753.00	-	-	-	35,753.00	35,753.00
Plan - Furniture	51,551,261.00	3,145,398.00	54,696,659.00	-	-	-	54,696,659.00	51,551,261.00
Renovation of Building Structure	22,939,765.00	906,865.00	23,846,630.00	-	-	-	23,846,630.00	22,939,765.00
Renovation of Electric System	57,500.00	-	57,500.00	-	-	-	57,500.00	57,500.00
Research Grant	39,637.00	-	39,637.00	-	-	-	39,637.00	39,637.00
Mechanical Engg. Deptt. (UG)	35,000.00	-	35,000.00	-	-	-	35,000.00	35,000.00
Student Activity Centre	169,534.00	-	169,534.00	-	-	-	169,534.00	169,534.00
Depreciation @ 7.5%	-	-	-	31,590,683.00	6,997,428.00	38,588,111.00	(38,588,111.00)	(31,590,683.00)
Sub Total	89,246,779.00	4,052,263.00	93,299,042.00	31,590,683.00	6,997,428.00	38,588,111.00	54,710,931.00	57,656,096.00
<u>Assets out of Institute Receipts</u>		-						
Computer Stationery Charges	315,059.00	-	315,059.00	-	-	-	315,059.00	315,059.00

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MMS/MBA Operating Cost	268,543.00	-	268,543.00	-	-	-	268,543.00	268,543.00
Placement Charges	141,457.00	-	141,457.00	-	-	-	141,457.00	141,457.00
Raw Material & Consumables of Lab	25,117.00	-	25,117.00	-	-	-	25,117.00	25,117.00
Depreciation @ 7.5%	-	-	-	473,064.00	56,263.00	529,327.00	(529,327.00)	(473,064.00)
Sub Total	750,176.00	-	750,176.00	473,064.00	56,263.00	529,327.00	220,849.00	277,112.00
TOTAL	142,526,989.00	4,052,263.00	146,579,252.00	80,965,001.00	10,993,444.00	91,958,445.00	54,620,807.00	61,561,988.00

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								
Alumni Association	52,977.61	274,210.00	327,187.61	-	24,539.00	24,539.00	302,648.61	52,977.61
Project Account	300,307.00	11,000.00	311,307.00	-	23,348.00	23,348.00	287,959.00	300,307.00
R&C Cell	199,374.00		199,374.00	-	14,953.00	14,953.00	184,421.00	199,374.00
Dean Academic	-	45,561.00	45,561.00		3,417.00	3,417.00	42,144.00	-
School of Non Formal Continuing Education (SNFCE)	66,235.00		66,235.00	-	4,968.00	4,968.00	61,267.00	66,235.00
TOTAL	618,893.61	330,771.00	949,664.61	-	71,225.00	71,225.00	878,439.61	618,893.61

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 4

**FIXED ASSETS
C(5). OFFICE EQUIPMENT**

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Capital Fund:</u>								
Civil Engg. Department P.G.	31,200.00	-	31,200.00	-	-	-	31,200.00	31,200.00
Computer Sc. Deptt. (P.G)	9,280.00	-	9,280.00	-	-	-	9,280.00	9,280.00
Computer Sc. Deptt. (U.G)	141,894.00	-	141,894.00	-	-	-	141,894.00	141,894.00
Cordless & Telephone Set	20,575.00	-	20,575.00	-	-	-	20,575.00	20,575.00
Electrical Engg. Deptt. (U.G.)	30,188.00	-	30,188.00	-	-	-	30,188.00	30,188.00
EPABX	3,159,583.00	-	3,159,583.00	-	-	-	3,159,583.00	3,159,583.00
Examination Fees	66,420.00	-	66,420.00	-	-	-	66,420.00	66,420.00
Fax Machine	153,320.00	-	153,320.00	-	-	-	153,320.00	153,320.00
General Utility Equipment	998,915.00	-	998,915.00	-	-	-	998,915.00	998,915.00
Maint. of Computer & Equip(REC)	164,333.00	-	164,333.00	-	-	-	164,333.00	164,333.00
Nodal Centre	6,400.00	-	6,400.00	-	-	-	6,400.00	6,400.00
Placement Charges	168,443.00	-	168,443.00	-	-	-	168,443.00	168,443.00
Typewriter & Duplicating Machine	56,548.00	-	56,548.00	-	-	-	56,548.00	56,548.00
Typewriter (SC/ST Re-Exam Training Centre)	7,516.00	-	7,516.00	-	-	-	7,516.00	7,516.00

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Updating & Expansion of Lab	462,000.00	-	462,000.00	-	-	-	462,000.00	462,000.00
Depreciation @ 7.5%	-	-	-	4,787,083.00	410,746.00	5,197,829.00	(5,197,829.00)	(4,787,083.00)
Sub Total	5,476,615.00	-	5,476,615.00	4,787,083.00	410,746.00	5,197,829.00	278,786.00	689,532.00
<u>Assets out of Deferred Government Grants:</u>								
Applied Mechanics Dept.(P.G.)	33,201.00		33,201.00	-	-	-	33,201.00	33,201.00
Civil Engg. Deptt. (P.G.)	99,920.00		99,920.00	-	-	-	99,920.00	99,920.00
Computer Sc. Deptt. (P.G)	16,490.00		16,490.00	-	-	-	16,490.00	16,490.00
Computer Sc. Deptt. (U.G)	17,760.00		17,760.00	-	-	-	17,760.00	17,760.00
Computer Science Course (Stationery)	65,660.00	-	65,660.00	-	-	-	65,660.00	65,660.00
Electrical Engg. Deptt. (P.G.)	25,499.00		25,499.00	-	-	-	25,499.00	25,499.00
Electrical Engg. Deptt. (U.G.)	9,000.00		9,000.00	-	-	-	9,000.00	9,000.00
General Utility Equipment	7,677,118.00	818,895.00	8,496,013.00	-	-	-	8,496,013.00	7,677,118.00
Library Operating Cost	69,243.00		69,243.00	-	-	-	69,243.00	69,243.00
Maint. of Computer & Equip	502,986.00		502,986.00	-	-	-	502,986.00	502,986.00
Maintainance & Repairs - Recurring (OBC)	200,720.00		200,720.00	-	-	-	200,720.00	200,720.00
MCA Contingency	24,900.00		24,900.00	-	-	-	24,900.00	24,900.00
SMS/MBA Op. cost	9,759.00		9,759.00	-	-	-	9,759.00	9,759.00
Renovation of Electric System & Facilities	7,990.00	39,879.00	47,869.00	-	-	-	47,869.00	7,990.00
Renovation of Building Structure	1,879,820.00		1,879,820.00	-	-	-	1,879,820.00	1,879,820.00
OBC Plan Grant	685,571.00		685,571.00	-	-	-	685,571.00	685,571.00
Plan Grant	1,855,877.05		1,855,877.05	-	-	-	1,855,877.05	1,855,877.05
Training & Placement	10,900.00		10,900.00	-	-	-	10,900.00	10,900.00
Student Activity Centre	19,830.00		19,830.00	-	-	-	19,830.00	19,830.00
Depreciation @ 7.5%	-	-	-	4,779,787.00	1,055,326.00	5,835,113.00	(5,835,113.00)	(4,779,787.00)

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Sub Total	13,212,244.05	858,774.00	14,071,018.05	4,779,787.00	1,055,326.00	5,835,113.00	8,235,905.05	8,432,457.05
<u>Assets out of Institute Receipts</u>								
SMS/MBA/MMS Operating Cost	53,041.00		53,041.00	-	-	-	53,041.00	53,041.00
Depreciation @ 7.5%	-		-	24,523.00	3,978.00	28,501.00	(28,501.00)	(24,523.00)
Sub Total	53,041.00	-	53,041.00	24,523.00	3,978.00	28,501.00	24,540.00	28,518.00
TOTAL	18,741,900.05	858,774.00	19,600,674.05	9,591,393.00	1,470,050.00	11,061,443.00	8,539,231.05	9,150,507.05

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								
Dean Academic Affairs	76,070.00		76,070.00	-	5,705.00	5,705.00	70,365.00	76,070.00
Nodal Centre	62,405.00		62,405.00	-	4,680.00	4,680.00	57,725.00	62,405.00
R&C Cell	69,243.00		69,243.00	-	5,193.00	5,193.00	64,050.00	69,243.00
Dean Academic Affairs	150,170.00	229,450.00	379,620.00	-	28,472.00	28,472.00	351,148.00	150,170.00
TEQIP-II		92,398.00	92,398.00	-	6,930.00	6,930.00	85,468.00	-
Student Welfare Fund	289,674.00		289,674.00	-	21,726.00	21,726.00	267,948.00	289,674.00
TOTAL	647,562.00	321,848.00	969,410.00	-	72,706.00	72,706.00	896,704.00	647,562.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 4

FIXED ASSETS**C(6). COMPUTER & PERIPHERALS**(Amount in
Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<i>Assets out of Capital Fund:</i>								
Suspense Applied Maths & Science (U.G.)	79,575.00	-	79,575.00	-	-	-	79,575.00	79,575.00
Applied Mechanics Dept.(U.G.)	4,650.00	-	4,650.00	-	-	-	4,650.00	4,650.00
Area of Excellence	1,102,081.00	-	1,102,081.00	-	-	-	1,102,081.00	1,102,081.00
Assessment of Land Use and Cover	84,820.00	-	84,820.00	-	-	-	84,820.00	84,820.00
Assy of Land Use Cover Pattern	23,750.00	-	23,750.00	-	-	-	23,750.00	23,750.00
Augmentation of Academic Infrastructure CSED	442,290.00	-	442,290.00	-	-	-	442,290.00	442,290.00
Augmentation of Facilities - Signal	2,358.00	-	2,358.00	-	-	-	2,358.00	2,358.00
Civil Engg. Deptt.(P.G.)	137,075.00	-	137,075.00	-	-	-	137,075.00	137,075.00
Civil Engg. Deptt.(U.G.)	13,650.00	-	13,650.00	-	-	-	13,650.00	13,650.00
Computational Facility for Electric	64,900.00	-	64,900.00	-	-	-	64,900.00	64,900.00
Computational Facility for Electric Engg.	260,000.00	-	260,000.00	-	-	-	260,000.00	260,000.00
Computer (School of Non Formal)	45,200.00	-	45,200.00	-	-	-	45,200.00	45,200.00

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Computer Centre (Stay & Lab)	39,400.00	-	39,400.00	-	-	-	39,400.00	39,400.00
Computer Graphic Work Station	8,890,000.00	-	8,890,000.00	-	-	-	8,890,000.00	8,890,000.00
Computer Sc. Deptt(P.G.)	49,065.00	-	49,065.00	-	-	-	49,065.00	49,065.00
Computer Sc. Deptt. (U.G.)	40,730.00	-	40,730.00	-	-	-	40,730.00	40,730.00
Computer Science Course (Stationery)	14,720.00	-	14,720.00	-	-	-	14,720.00	14,720.00
Computerisation of Estt. Section	1,990,000.00	-	1,990,000.00	-	-	-	1,990,000.00	1,990,000.00
Dev of High Speed Communication Tem Lab.	16,200.00	-	16,200.00	-	-	-	16,200.00	16,200.00
Dev. of Rapid Prototyping	61,200.00	-	61,200.00	-	-	-	61,200.00	61,200.00
Dev. of Router Facilities	13,320.00	-	13,320.00	-	-	-	13,320.00	13,320.00
Dev. of VLSI Project	589,700.00	-	589,700.00	-	-	-	589,700.00	589,700.00
Development of Construction Mat. & Appro.	46,650.00	-	46,650.00	-	-	-	46,650.00	46,650.00
Development of M.I.S.	2,500,000.00	-	2,500,000.00	-	-	-	2,500,000.00	2,500,000.00
Dynamic Analysis Cutting Parameter	93,300.00	-	93,300.00	-	-	-	93,300.00	93,300.00
Dynamic Analysis Cutting Parameter	6,950.00	-	6,950.00	-	-	-	6,950.00	6,950.00
Electrical Engg. Deptt. (P.G.)	21,350.00	-	21,350.00	-	-	-	21,350.00	21,350.00
Electrical Engg. Deptt. (U.G.)	124,700.00	-	124,700.00	-	-	-	124,700.00	124,700.00
Electronics Engg. Deptt. (U.G.)	10,900.00	-	10,900.00	-	-	-	10,900.00	10,900.00
Examination Fees	365,584.00	-	365,584.00	-	-	-	365,584.00	365,584.00
Excellence in Rec.	7,425,931.00	-	7,425,931.00	-	-	-	7,425,931.00	7,425,931.00
Excellence in Reek (Net Working)	1,898,045.00	-	1,898,045.00	-	-	-	1,898,045.00	1,898,045.00
General Utility Equipment/ Upd.& Expa.of Lab.	4,064,343.00	-	4,064,343.00	-	-	-	4,064,343.00	4,064,343.00
High Speed Communication	129,025.00	-	129,025.00	-	-	-	129,025.00	129,025.00

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Lab.								
High Speed Computer (WAN)	7,092,823.00	-	7,092,823.00	-	-	-	7,092,823.00	7,092,823.00
High Speed Internet Access	4,629,491.00	-	4,629,491.00	-	-	-	4,629,491.00	4,629,491.00
Information Tech (U.G.)	100,000.00	-	100,000.00	-	-	-	100,000.00	100,000.00
Infrastructure in Area of Weakness	6,564,080.00	-	6,564,080.00	-	-	-	6,564,080.00	6,564,080.00
Institutional Network Scheme	8,303,260.00	-	8,303,260.00	-	-	-	8,303,260.00	8,303,260.00
Library Operating Cost	24,600.00	-	24,600.00	-	-	-	24,600.00	24,600.00
Maintenance of Computer & Equip. (Reek)	435,632.00	-	435,632.00	-	-	-	435,632.00	435,632.00
MCA Contingencies	12,733.00	-	12,733.00	-	-	-	12,733.00	12,733.00
Mechanical Engg. Deptt (P.G.)	277,400.00	-	277,400.00	-	-	-	277,400.00	277,400.00
Mechanical Engg. Deptt (U.G.)	115,000.00	-	115,000.00	-	-	-	115,000.00	115,000.00
Mod of Computational Facilities	17,249.00	-	17,249.00	-	-	-	17,249.00	17,249.00
Mod. of Survey & Remote Sensing Lab.	886,751.00	-	886,751.00	-	-	-	886,751.00	886,751.00
Nodal Centre	252,797.00	-	252,797.00	-	-	-	252,797.00	252,797.00
Office Contingency	6,000.00	-	6,000.00	-	-	-	6,000.00	6,000.00
Placement Charges	77,900.00	-	77,900.00	-	-	-	77,900.00	77,900.00
Project Account	949,406.00	-	949,406.00	-	-	-	949,406.00	949,406.00
Q.I.P. Poly	12,900.00	-	12,900.00	-	-	-	12,900.00	12,900.00
R.E.C.British University Collaboration.	10,364,040.00	-	10,364,040.00	-	-	-	10,364,040.00	10,364,040.00
Research & Consultancy	462,073.00	-	462,073.00	-	-	-	462,073.00	462,073.00
Training & Placement	92,691.00	-	92,691.00	-	-	-	92,691.00	92,691.00
Depreciation @ 20%	-	-	-	85,588,234.00	14,265,658.00	99,853,892.00	(99,853,892.00)	(85,588,234.00)
Sub Total	71,328,288.00	-	71,328,288.00	85,588,234.00	14,265,658.00	99,853,892.00	(28,525,604.00)	(14,259,946.00)
<u>Assets out of Deferred Government Grants:</u>		-						

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Applied Maths & Science (U.G.)	41,940.00	-	41,940.00	-	-	-	41,940.00	41,940.00
Applied Mechanics Dept.(P.G.)	127,071.00		127,071.00	-	-	-	127,071.00	127,071.00
Applied Mechanics Dept.(U.G.)	62,400.00		62,400.00	-	-	-	62,400.00	62,400.00
Chemistry Deptt.	40,120.00		40,120.00	-	-	-	40,120.00	40,120.00
Civil Engg. Deptt.(P.G.)	309,440.00		309,440.00	-	-	-	309,440.00	309,440.00
Civil Engg. Deptt.(U.G.)	146,153.00		146,153.00	-	-	-	146,153.00	146,153.00
Computer Centre (Stay & Lab)	229,375.00		229,375.00	-	-	-	229,375.00	229,375.00
Computer Sc. Deptt. (P.G.)	71,354.00		71,354.00	-	-	-	71,354.00	71,354.00
Computer Sc. Deptt. (U.G.)	512,793.00		512,793.00	-	-	-	512,793.00	512,793.00
Computer Science Course (Stationery)	163,476.00		163,476.00	-	-	-	163,476.00	163,476.00
GIS Cell	33,090.00		33,090.00	-	-	-	33,090.00	33,090.00
Electrical Engg. Deptt. (P.G.)	46,088.00		46,088.00	-	-	-	46,088.00	46,088.00
Electrical Engg. Deptt. (U.G.)	102,960.00		102,960.00	-	-	-	102,960.00	102,960.00
Electronics Engg. Deptt. (U.G.)	253,737.00		253,737.00	-	-	-	253,737.00	253,737.00
General Utility Equipment/ Upd.& Expa.of Lab.	89,800,158.40	13,309,412.00	103,109,570.40	-	-	-	103,109,570.40	89,800,158.40
Humanities Deptt.	128,200.00		128,200.00	-	-	-	128,200.00	128,200.00
Information Tech (U.G.)	121,880.00		121,880.00	-	-	-	121,880.00	121,880.00
Internet Bandwidth - Internet Cabling	276,528.00		276,528.00	-	-	-	276,528.00	276,528.00
Library Operating Cost	34,950.00		34,950.00	-	-	-	34,950.00	34,950.00
Maint. of Computer & Equipment	135,701.00		135,701.00	-	-	-	135,701.00	135,701.00
Maths Deptt.	9,300.00		9,300.00	-	-	-	9,300.00	9,300.00
MCA Contingency	285,382.00		285,382.00	-	-	-	285,382.00	285,382.00
Mechanical Engg. Deptt (P.G.)	107,127.00		107,127.00	-	-	-	107,127.00	107,127.00
Mechanical Engg. Deptt (U.G.)	419,783.00		419,783.00	-	-	-	419,783.00	419,783.00

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MED Workshop	21,600.00		21,600.00	-	-	-	21,600.00	21,600.00
Networking	4,831,905.00		4,831,905.00	-	-	-	4,831,905.00	4,831,905.00
Research Grant	38,320.00		38,320.00	-	-	-	38,320.00	38,320.00
OBC Plan Grant	38,833,368.00		38,833,368.00	-	-	-	38,833,368.00	38,833,368.00
OBC Recurring Grant	613,025.00		613,025.00	-	-	-	613,025.00	613,025.00
Plan Grant	4,086,777.60		4,086,777.60	-	-	-	4,086,777.60	4,086,777.60
M/R Institute - Electric Maintenance	11,130.00		11,130.00	-	-	-	11,130.00	11,130.00
NCI & NICS Grant	829,779.00		829,779.00	-	-	-	829,779.00	829,779.00
SMS/MBA Op. cost	58,710.00		58,710.00	-	-	-	58,710.00	58,710.00
Renovation of Building Structure	50,325.90		50,325.90	-	-	-	50,325.90	50,325.90
Student Activity Centre	101,355.00		101,355.00	-	-	-	101,355.00	101,355.00
AMD U.G. - Capital (Computer & peripheral)	22,028.00		22,028.00	-	-	-	22,028.00	22,028.00
Utensil charges	13,000.00		13,000.00	-	-	-	13,000.00	13,000.00
M/R Maintenance of vehicles	11,130.00		11,130.00	-	-	-	11,130.00	11,130.00
Physics Department	43,952.00		43,952.00	-	-	-	43,952.00	43,952.00
Depreciation @ 20%	-		-	111,963,996.00	31,266,965.00	143,230,961.00	(143,230,961.00)	(111,963,996.00)
Sub Total	143,025,411.90	13,309,412.00	156,334,823.90	111,963,996.00	31,266,965.00	143,230,961.00	13,103,862.90	31,061,415.90
<i>Assets out of Institute Receipts</i>								
Computer Stationery Charges	488,373.00		488,373.00	-	-	-	488,373.00	488,373.00
Examination Fees	499,154.00		499,154.00	-	-	-	499,154.00	499,154.00
MMS/MBA Operating Cost	88,597.00		88,597.00	-	-	-	88,597.00	88,597.00
Placement Charges	159,159.00		159,159.00	-	-	-	159,159.00	159,159.00
Raw Material & Consumable of Lab	85,575.00		85,575.00	-	-	-	85,575.00	85,575.00
Student Activity Centre	10,447.00		10,447.00	-	-	-	10,447.00	10,447.00

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Depreciation @ 20%	-		-	1,560,526.00	266,261.00	1,826,787.00	(1,826,787.00)	(1,560,526.00)
Sub Total	1,331,305.00	-	1,331,305.00	1,560,526.00	266,261.00	1,826,787.00	(495,482.00)	(229,221.00)
TOTAL	215,685,004.90	13,309,412.00	228,994,416.90	199,112,756.00	45,798,884.00	244,911,640.00	(15,917,223.10)	16,572,248.90

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								
Alumni Association	93,158.64	269,632.00	362,790.64	-	72,558.00	72,558.00	290,232.64	93,158.64
Dean Academic Affairs	34,500.00	17,775.00	52,275.00	-	10,455.00	10,455.00	41,820.00	34,500.00
Industrial Estate	43,877.00	14,495.00	58,372.00	-	11,674.00	11,674.00	46,698.00	43,877.00
Nodal Centre	85,306.00		85,306.00	-	17,061.00	17,061.00	68,245.00	85,306.00
Project Account	6,867,380.00	109,394.00	6,976,774.00	-	1,395,355.00	1,395,355.00	5,581,419.00	6,867,380.00
R&C Cell	15,834,054.00	154,550.00	15,988,604.00	-	3,197,721.00	3,197,721.00	12,790,883.00	15,834,054.00
TOTAL	22,958,275.64	565,846.00	23,524,121.64	-	4,704,824.00	4,704,824.00	18,819,297.64	22,958,275.64

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C(7). ELECTRIC INSTALLATIONS

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Capital Fund:</u>								
Air Conditioner (Dean Office)	112,562.00	-	112,562.00	-	-	-	112,562.00	112,562.00
Air Conditioner (Integrated Water Shed)	74,208.00	-	74,208.00	-	-	-	74,208.00	74,208.00
Air Conditioning Plant	209,472.00	-	209,472.00	-	-	-	209,472.00	209,472.00
Civil Engg. Deptt. (P.G.)	29,810.00	-	29,810.00	-	-	-	29,810.00	29,810.00
Computer Sc. Deptt.(U.G)	11,200.00	-	11,200.00	-	-	-	11,200.00	11,200.00
Cooler (Soil Exploration)	3,003.00	-	3,003.00	-	-	-	3,003.00	3,003.00
Electrification of CAC Building	30,000.00	-	30,000.00	-	-	-	30,000.00	30,000.00
Electrification of Computer Building	17,591.00	-	17,591.00	-	-	-	17,591.00	17,591.00
Electrification of Guest House	9,260.00	-	9,260.00	-	-	-	9,260.00	9,260.00
Electrification of Soil Exploration & F.D.	10,579.00	-	10,579.00	-	-	-	10,579.00	10,579.00
Furniture	15,000.00	-	15,000.00	-	-	-	15,000.00	15,000.00
General Utility Equipment	564,833.00	-	564,833.00	-	-	-	564,833.00	564,833.00

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Hostel Fans	301,808.00	-	301,808.00	-	-	-	301,808.00	301,808.00
M/R Institute --Electric	29,050.00	-	29,050.00	-	-	-	29,050.00	29,050.00
M/R Institute Furniture	48,900.00	-	48,900.00	-	-	-	48,900.00	48,900.00
Project Account	244,177.00	-	244,177.00	-	-	-	244,177.00	244,177.00
Renovation of Electrical System & Facilities	4,805,815.00	-	4,805,815.00	-	-	-	4,805,815.00	4,805,815.00
School of Non Formal & Continuing Education	45,943.00	-	45,943.00	-	-	-	45,943.00	45,943.00
Stabilizer (Integrated Water Shed Management)	9,960.00	-	9,960.00	-	-	-	9,960.00	9,960.00
T.V. Set (Student Welfare Fund)	87,509.00	-	87,509.00	-	-	-	87,509.00	87,509.00
Tape Recorder (I.I.N.)	3,290.00	-	3,290.00	-	-	-	3,290.00	3,290.00
Depreciation @ 5%	-	-	-	5,343,152.00	333,199.00	5,676,351.00	(5,676,351.00)	(5,343,152.00)
Sub Total	6,663,970.00	-	6,663,970.00	5,343,152.00	(333,199.00)	5,676,351.00	987,619.00	1,320,818.00
<u>Assets out of Deferred Government Grants:</u>								
Air Conditioning of MP Hall & Seminar Hall	14,946,027.00	-	14,946,027.00	-	-	-	14,946,027.00	14,946,027.00
Applied Mechanics Dept.(P.G.)	97,688.00	-	97,688.00	-	-	-	97,688.00	97,688.00
Applied Mechanics Dept.(U.G.)	127,080.00	-	127,080.00	-	-	-	127,080.00	127,080.00
Automation of Kitchen Hostel	55,000.00	-	55,000.00	-	-	-	55,000.00	55,000.00
Biotech (U.G.)	16,720.00	-	16,720.00	-	-	-	16,720.00	16,720.00
Civil Engg. Deptt. (P.G.)	76,577.00	-	76,577.00	-	-	-	76,577.00	76,577.00
Civil Engg. Deptt. (U.G.)	129,737.00	-	129,737.00	-	-	-	129,737.00	129,737.00
Computer Sc. Deptt.(P.G.)	44,970.00	-	44,970.00	-	-	-	44,970.00	44,970.00
Computer Sc. Deptt.(U.G.)	18,601.00	-	18,601.00	-	-	-	18,601.00	18,601.00
Computer Science Course	23,950.00	-	23,950.00	-	-	-	23,950.00	23,950.00

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Stationary								
Electrical Engg. Deptt. (P.G)	24,750.00		24,750.00	-	-	-	24,750.00	24,750.00
Electrical Engg. Deptt. (U.G)	73,049.00		73,049.00	-	-	-	73,049.00	73,049.00
Electronics Engg. Deptt. (P.G.)	24,400.00		24,400.00	-	-	-	24,400.00	24,400.00
Electronics Engg. Deptt. (U.G.)	203,800.00		203,800.00	-	-	-	203,800.00	203,800.00
General Utility Equipment	10,764,682.00	49,990.00	10,814,672.00	-	-	-	10,814,672.00	10,764,682.00
Humanities Deptt	8,850.00		8,850.00	-	-	-	8,850.00	8,850.00
Landscaping & Gardening	74,300.00		74,300.00	-	-	-	74,300.00	74,300.00
Library Operating Cost	4,900.00		4,900.00	-	-	-	4,900.00	4,900.00
M/R Institute Building & Road	25,990.00		25,990.00	-	-	-	25,990.00	25,990.00
M/R Institute - Electric Maintenance	165,638.00		165,638.00	-	-	-	165,638.00	165,638.00
Maint. of Computer & Equipment	1,287,798.00		1,287,798.00	-	-	-	1,287,798.00	1,287,798.00
MCA Contingency	48,715.00		48,715.00	-	-	-	48,715.00	48,715.00
Mech. Engg. Department (P.G.)	58,150.00		58,150.00	-	-	-	58,150.00	58,150.00
Mech. Engg. Department (U.G.)	71,856.00		71,856.00	-	-	-	71,856.00	71,856.00
MED Workshop-UG	5,500.00		5,500.00	-	-	-	5,500.00	5,500.00
OBC Plan Grant	24,452,377.00		24,452,377.00	-	-	-	24,452,377.00	24,452,377.00
Plan Grant	1,983,494.00		1,983,494.00	-	-	-	1,983,494.00	1,983,494.00
Physics Deptt. (U.G.)	13,500.00		13,500.00	-	-	-	13,500.00	13,500.00
Production Engg. Deptt. (U.G.)	51,000.00		51,000.00	-	-	-	51,000.00	51,000.00
Renovation of Building Structure	7,829,467.00		7,829,467.00	-	-	-	7,829,467.00	7,829,467.00
Renovation of Electrical	39,910,702.00	1,210,351.00	41,121,053.00	-	-	-	41,121,053.00	39,910,702.00

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System & Facilities								
Research Grant	103,811.00		103,811.00	-	-	-	103,811.00	103,811.00
Depreciation @ 5%	-		-	48,584,056.00	5,199,171.00	53,783,227.00	(53,783,227.00)	(48,584,056.00)
Sub Total	102,723,079.00	1,260,341.00	103,983,420.00	48,584,056.00	5,199,171.00	53,783,227.00	50,200,193.00	54,139,023.00
<u>Assets out of Institute Receipts</u>								
Computer Stationery Charges	108,200.00		108,200.00	-	-	-	108,200.00	108,200.00
MMS Operating Cost	19,900.00		19,900.00	-	-	-	19,900.00	19,900.00
Placement Charges	99,000.00		99,000.00	-	-	-	99,000.00	99,000.00
Depreciation @ 5%	-		-	141,998.00	11,355.00	153,353.00	(153,353.00)	(141,998.00)
Sub Total	227,100.00	-	227,100.00	141,998.00	11,355.00	153,353.00	73,747.00	85,102.00
TOTAL	109,614,149.00	1,260,341.00	110,874,490.00	54,069,206.00	5,543,725.00	59,612,931.00	51,261,559.00	55,544,943.00

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								
Project Account	551,145.00		551,145.00	-	27,557.00	27,557.00	523,588.00	551,145.00
R&C Cell	18,775.00	89,962.00	108,737.00	-	5,437.00	5,437.00	103,300.00	18,775.00
Dean Academics		168,355.00	168,355.00		8,418.00	8,418.00	159,937.00	-
Student Welfare Fund	123,920.00		123,920.00	-	6,196.00	6,196.00	117,724.00	123,920.00
TOTAL	693,840.00	258,317.00	952,157.00	-	47,608.00	47,608.00	904,549.00	693,840.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 4

**FIXED ASSETS
C(8). LIBRARY BOOKS**

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Capital Fund:</u>								
Assets Trf from TEQIP	21,613,554.00	-	21,613,554.00	-	-	-	21,613,554.00	21,613,554.00
Book Bank	45,560.00	-	45,560.00	-	-	-	45,560.00	45,560.00
Book Bank for SC/ST Student	241,004.00	-	241,004.00	-	-	-	241,004.00	241,004.00
Library Books & Journal (Non Plan) PG	6,038,118.00	-	6,038,118.00	-	-	-	6,038,118.00	6,038,118.00
Library Books & Journal (Non Plan) UG	15,752,434.00	-	15,752,434.00	-	-	-	15,752,434.00	15,752,434.00
Library Books & Journal (Plan)	4,940,816.00	-	4,940,816.00	-	-	-	4,940,816.00	4,940,816.00
Library Fee	1,009,136.00	-	1,009,136.00	-	-	-	1,009,136.00	1,009,136.00
Others	2,948,391.00	-	2,948,391.00	-	-	-	2,948,391.00	2,948,391.00
P.D.T.C.	30,000.00	-	30,000.00	-	-	-	30,000.00	30,000.00
Research & Development Cell	1,622.00	-	1,622.00	-	-	-	1,622.00	1,622.00
SC/ST Pre Exams Training Centre	107,728.00	-	107,728.00	-	-	-	107,728.00	107,728.00
School of Non Formal & Continuing Education	29,224.00	-	29,224.00	-	-	-	29,224.00	29,224.00
Soil Exploration & F.D. Centre	5,664.00	-	5,664.00	-	-	-	5,664.00	5,664.00

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Structural Testing & Designing Centre	1,478.00	-	1,478.00	-	-	-	1,478.00	1,478.00
Depreciation @ 10%	-	-	-	57,814,766.00	5,276,473.00	63,091,239.00	(63,091,239.00)	(57,814,766.00)
Sub Total	52,764,729.00	-	52,764,729.00	57,814,766.00	5,276,473.00	63,091,239.00	(10,326,510.00)	(5,050,037.00)
<u>Assets out of Deferred Government Grants:</u>								-
Faculty/Staff Development Programme	9,967.00	-	9,967.00	-	-	-	9,967.00	9,967.00
Library (P.G.)	1,803,353.00	-	1,803,353.00	-	-	-	1,803,353.00	1,803,353.00
Research Grant	155,925.00	-	155,925.00	-	-	-	155,925.00	155,925.00
Library Books	6,190,485.00		6,190,485.00	-	-	-	6,190,485.00	6,190,485.00
Library Books & Journal (Non Plan) PG	22,340,516.00		22,340,516.00	-	-	-	22,340,516.00	22,340,516.00
Library Journal & Periodicals	31,022,426.00		31,022,426.00	-	-	-	31,022,426.00	31,022,426.00
Library TLB	428,262.00		428,262.00	-	-	-	428,262.00	428,262.00
Addition to library books and journals	70,000,384.00		70,000,384.00	-	-	-	70,000,384.00	70,000,384.00
Depreciation @ 10%	-		-	92,114,204.00	13,195,132.00	105,309,336.00	(105,309,336.00)	(92,114,204.00)
Sub Total	131,951,318.00	-	131,951,318.00	92,114,204.00	13,195,132.00	105,309,336.00	26,641,982.00	39,837,114.00
<u>Assets out of Institute Receipts</u>								-
Library Fee	3,089,680.00		3,089,680.00	-	-	-	3,089,680.00	3,089,680.00
Depreciation @ 10%	-		-	3,377,878.00	308,968.00	3,686,846.00	(3,686,846.00)	(3,377,878.00)
Sub Total	3,089,680.00	-	3,089,680.00	3,377,878.00	308,968.00	3,686,846.00	(597,166.00)	(288,198.00)
TOTAL	187,805,727.00	-	187,805,727.00	153,306,848.00	18,780,573.00	172,087,421.00	15,718,306.00	34,498,879.00

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DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								-
Project Account	791,451.00	30,469.00	821,920.00	-	82,192.00	82,192.00	739,728.00	791,451.00
TEQIP II	13,861,076.00		13,861,076.00	-	1,386,108.00	1,386,108.00	12,474,968.00	13,861,076.00
TOTAL	14,652,527.00	30,469.00	14,682,996.00	-	1,468,300.00	1,468,300.00	13,214,696.00	14,652,527.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C(9). OTHER FIXED ASSETS

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Capital Fund:</u>								
Augmentation of Academic Infrastructure	70,883.00	-	70,883.00	-	-	-	70,883.00	70,883.00
Capital Goods	7,590.00	-	7,590.00	-	-	-	7,590.00	7,590.00
Carpets	75,687.00	-	75,687.00	-	-	-	75,687.00	75,687.00
Civil Engg. Department P.G.	19,980.00	-	19,980.00	-	-	-	19,980.00	19,980.00
Development of Lawn & Gardens	231,657.00	-	231,657.00	-	-	-	231,657.00	231,657.00

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Elect. Engg. Department(P.G)	8,700.00	-	8,700.00	-	-	-	8,700.00	8,700.00
Excellence in REC (Library Collection Development)	11,484,666.00	-	11,484,666.00	-	-	-	11,484,666.00	11,484,666.00
Excellence in REC (R & D Supports)	1,639,347.00	-	1,639,347.00	-	-	-	1,639,347.00	1,639,347.00
Furniture	37,780.00	-	37,780.00	-	-	-	37,780.00	37,780.00
General Utility Equipment	109,000.00	-	109,000.00	-	-	-	109,000.00	109,000.00
Maint. & Rep.Institute -- Electric	4,980.00	-	4,980.00	-	-	-	4,980.00	4,980.00
MED (P.G.)	4,900.00	-	4,900.00	-	-	-	4,900.00	4,900.00
Office Contingency	17,500.00	-	17,500.00	-	-	-	17,500.00	17,500.00
Strengthening of Infrastructure Facilities	576,492.00	-	576,492.00	-	-	-	576,492.00	576,492.00
Depreciation @ 7.5%	-	-	-	13,112,139.00	1,071,687.00	14,183,826.00	(14,183,826.00)	(13,112,139.00)
Sub Total	14,289,162.00	-	14,289,162.00	13,112,139.00	1,071,687.00	14,183,826.00	105,336.00	1,177,023.00
<i>Assets out of Deferred Government Grants:</i>								
Applied Mechanics Dept.(P.G.)	44,837.00		44,837.00	-	-	-	44,837.00	44,837.00
Applied Mechanics Dept.(U.G.)	77,262.00		77,262.00	-	-	-	77,262.00	77,262.00
B.O.G. & Other Meetings	6,165.00		6,165.00	-	-	-	6,165.00	6,165.00
Chemistry Deptt	33,825.00		33,825.00	-	-	-	33,825.00	33,825.00
Civil Engg. Department (U.G)	45,121.50		45,121.50	-	-	-	45,121.50	45,121.50
Civil Engg. Department (P.G.)	9,030.00		9,030.00	-	-	-	9,030.00	9,030.00

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Computer Center	23,760.00		23,760.00	-	-	-	23,760.00	23,760.00
Computer Sc. Deptt. UG	44,946.00		44,946.00	-	-	-	44,946.00	44,946.00
Computer Sc. Engg. Deptt (P.G.)	19,260.00		19,260.00	-	-	-	19,260.00	19,260.00
Computer Science Course (Stationery)	23,452.00		23,452.00	-	-	-	23,452.00	23,452.00
Development of Lawn & Gardens	63,046.00		63,046.00	-	-	-	63,046.00	63,046.00
Electronics Engg. Deptt (P.G.)	11,250.00		11,250.00	-	-	-	11,250.00	11,250.00
General Utility Equipment	61,550,226.10	325,550.00	61,875,776.10	-	-	-	61,875,776.10	61,550,226.10
Landscaping & Gardening	150,182.00		150,182.00	-	-	-	150,182.00	150,182.00
Library Operating Cost	12,400.00		12,400.00	-	-	-	12,400.00	12,400.00
M/R Institute Building & Road	67,090.00		67,090.00	-	-	-	67,090.00	67,090.00
Maint. & Rep. Hostel - Building & Road	113,882.00		113,882.00	-	-	-	113,882.00	113,882.00
Maint. Of Computer & Equipment	190,914.00		190,914.00	-	-	-	190,914.00	190,914.00
Maintainance & Repairs - Recurring (OBC)	271,409.00		271,409.00	-	-	-	271,409.00	271,409.00
MCA Operating Cost	101,797.00		101,797.00	-	-	-	101,797.00	101,797.00
Mech. Engg. Department (U.G.)	207,565.00		207,565.00	-	-	-	207,565.00	207,565.00
MED Workshop	9,980.00		9,980.00	-	-	-	9,980.00	9,980.00
OBC Plan Grant	1,769,904.00		1,769,904.00	-	-	-	1,769,904.00	1,769,904.00
OBC Plan Grant	239,660.00		239,660.00	-	-	-	239,660.00	239,660.00
Renovation of	4,691,175.00	248,438.00	4,939,613.00	-	-	-	4,939,613.00	4,691,175.00

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Building Structure								
Renovation of Electrical System & Facilities	23,400.00	97,350.00	120,750.00	-	-	-	120,750.00	23,400.00
Research Grant	51,870.00		51,870.00	-	-	-	51,870.00	51,870.00
Student Club	45,235.00		45,235.00	-	-	-	45,235.00	45,235.00
Utencil Charges	40,283.00		40,283.00	-	-	-	40,283.00	40,283.00
Student Activity Center	24,964.00		24,964.00	-	-	-	24,964.00	24,964.00
Depreciation @ 7.5%	-		-	8,677,639.00	5,297,642.00	13,975,281.00	(13,975,281.00)	(8,677,639.00)
Sub Total	69,963,890.60	671,338.00	70,635,228.60	8,677,639.00	5,297,642.00	13,975,281.00	56,659,947.60	61,286,251.60
<u>Assets out of Institute Receipts</u>								
MMS Operating Cost	24,850.00		24,850.00	-	-	-	24,850.00	24,850.00
Placement Charges	101,797.00		101,797.00	-	-	-	101,797.00	101,797.00
Utencil Charges	10,440.00		10,440.00	-	-	-	10,440.00	10,440.00
Depreciation @ 7.5%	-		-	98,044.00	10,282.00	108,326.00	(108,326.00)	(98,044.00)
Sub Total	137,087.00	-	137,087.00	98,044.00	10,282.00	108,326.00	28,761.00	39,043.00
TOTAL	84,390,139.60	671,338.00	85,061,477.60	21,887,822.00	6,379,611.00	28,267,433.00	56,794,044.60	62,502,317.60

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2015	Additions/ (Deductions)	As at March 31, 2016	As at April 01, 2015	Depreciation during the year	As at March 31, 2016	As at March 31, 2016	As at March 31, 2015
<u>Assets out of Subsidiaries Fund</u>								
Student Welfare Fund	1,015,359.00		1,015,359.00	-	-	-	1,015,359.00	1,015,359.00
TOTAL	1,015,359.00	-	1,015,359.00	-	-	-	1,015,359.00	1,015,359.00

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SCHEDULE 5- INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

(Amount-Rs)

INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS	CURRENT YEAR	PREVIOUS YEAR
1. In Central Government Securities	-	-
2. In State Government Securities		
3. Other approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks	-	-
7. Others (to be specified) (Refer Annexure D)	390,191,792.00	195,767,310.00
<u>TOTAL</u>	390,191,792.00	195,767,310.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
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ANNEXURE 'D' OF SCH 5

INVESTMENTS

'D-1' - INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Deposited during the Year	Enchased during the Year	As at March 31, 2016		As at March 31, 2015
<u>General Provident Fund:</u>						
Treasury Account	1,007,349.00	-	-	1,007,349.00		1,007,349.00
Fixed Deposit with Bank	181,246,372.00	386,811,961.00	348,967,354.00	219,090,979.00		181,246,372.00
Interest Accrued on FDR-GPF	5,232,322.00	5,833,046.00	5,232,322.00	5,833,046.00	225,931,374.00	5,232,322.00
<u>Contributory Provident Fund:</u>						
Fixed Deposit Receipt	7,000,000.00	11,334,132.00	7,000,000.00	11,334,132.00		7,000,000.00
Interest Accrued on FDR-CPF	1,281,267.00	725,958.00	1,281,267.00	725,958.00	12,060,090.00	1,281,267.00
<u>Corpus Fund:</u>						
Corpus Fund-TDR		145,800,000.00		145,800,000.00		
Development Fund-TDR		550,000.00		550,000.00		
Maintenance Fund-TDR		550,000.00		550,000.00		
Staff Development Fund-TDR		1,200,000.00		1,200,000.00	148,100,000.00	
Interest Accrued on Corpus fund		4,008,922.00		4,008,922.00		
Interest Accrued on Development fund		21,858.00		21,858.00		
Interest Accrued on Maintenance fund		21,858.00		21,858.00		
Intert. Accd. on Staff Development fund		47,690.00		47,690.00	4,100,328.00	
TOTAL	195,767,310.00	556,905,425.00	362,480,943.00	390,191,792.00		195,767,310.00

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SCHEDULE 6- INVESTMENTS OTHERS

(Amount-Rs)

<u>INVESTMENTS - OTHERS</u>	CURRENT YEAR	PREVIOUS YEAR
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks(Refer Annexure D-2)	757,491,959.00	684,615,641.00
<u>TOTAL</u>	757,491,959.00	684,615,641.00

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ANNEXURE 'D-2' OF SCH 6

INVESTMENT OTHERS
D-2 - NON-EARMARKED FUNDS- TERM DEPOSITS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Deposited during the Year	Enchased during the Year	As at March 31, 2016		As at March 31, 2015
<u>INSTITUTE:</u>						
TDR -- Institute - SBI	279,367,320.00	300,150,000.00	-	579,517,320.00		279,367,320.00
TDR -- Institute - Bank of Baroda	94,988,809.00	-	94,988,809.00	-		94,988,809.00

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TDR -- Out of Caution Money	10,227,804.00			10,227,804.00	589,745,124.00	10,227,804.00
SUBSIDIARY FUNDS:						
T.D.R. with S.N.F.C.E.	9,802,189.00	10,000,000.00		19,802,189.00		9,802,189.00
T.D.R. with Student Welfare Fund	12,582,050.00			12,582,050.00		12,582,050.00
T.D.R. with Industrial Estate	30,066,016.00	1,524,187.00		31,590,203.00		30,066,016.00
T.D.R. with G.K. Agarwal Trust	300,000.00			300,000.00		300,000.00
T.D.R. with Alumni Association	5,341,505.00			5,341,505.00		5,341,505.00
T.D.R. with R&C Cell	205,114,936.00	12,549,496.00	147,449,137.00	70,215,295.00		205,114,936.00
T.D.R. with Sponsored Gold Medal	388,488.00			388,488.00		388,488.00
T.D.R. with Project Account	36,436,524.00	2,445,298.00	11,354,717.00	27,527,105.00	167,746,835.00	36,436,524.00
TOTAL	684,615,641.00	326,668,981.00	253,792,663.00		757,491,959.00	684,615,641.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 7- CURRENT ASSETS

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
1. Stock:		
a) Stores and Spares (Stock of Consumables & Other Materials)	-	345,543.00
b) Loose Tools	-	-
c) Publications	-	-
d) Laboratory Chemicals, consumables and glass ware		
e) Building Material		
f) Electric Material		
g) Stationery		

h) Water Supply Material		
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months- Industrial Estate	10,352,344.93	10,325,580.93
b) Others	-	-
3. Cash and Bank Balances (to be further classified as pertaining to earmarked fund or otherwise)		
Earmarked Funds		
a) With Scheduled Banks:		
On Current Accounts	-	-
On Saving Accounts (Refer Annexure E (1))	12,233,813.12	38,815,784.12
Non-Earmarked Funds		
a) With Scheduled Banks:		
On Saving Accounts (Refer Annexure E (2))	575,337,989.99	322,676,661.41
TOTAL (A)	597,924,148.04	372,163,569.46

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'E' OF SCH 7

CURRENT ASSETS

E1- EARMARKED FUNDS- BALANCE WITH BANKS & IN HAND

(Amount in Rs.)

Particulars	Current Year 2015-16			Previous Year 2014-2015		
	Balance with Bank	Balance in Hand	Total Cash & Bank Balance	Balance with Bank	Balance in Hand	Total Cash & Bank Balance
INSTITUTE:						
Corpus Fund - SBI SB	9,026,787.00	-	9,026,787.00	3,836,992.00	-	3,836,992.00
Staff Development Fund- SBI SB	315,302.00	-	315,302.00	1,279,149.00	-	1,279,149.00
Development/Renewal Fund- SBI SB	301,647.00	-	301,647.00	639,690.00	-	639,690.00

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Maintenance Fund- SBI SB	301,647.00	-	301,647.00	639,690.00	-	639,690.00
GPF-SBI SB	(2,897,991.00)	-	(2,897,991.00)	9,804,734.00	-	9,804,734.00
CPF-SBI SB	227,999.12	-	227,999.12	1,683,818.12	-	1,683,818.12
New Pension Scheme-SBI SB	4,958,422.00	-	4,958,422.00	20,931,711.00	-	20,931,711.00
TOTAL	12,233,813.12	-	12,233,813.12	38,815,784.12	-	38,815,784.12

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'E' OF SCH 7

CURRENT ASSETS

E-2 - NON-EARMARKED FUNDS: BALANCE WITH BANKS & IN HAND

(Amount in Rs.)

Particulars	Current Year 2015-16			Previous Year 2014-2015		
	Balance with Bank	Balance in Hand	Total Cash & Bank Balance	Balance with Bank	Balance in Hand	Total Cash & Bank Balance
INSTITUTE:						
Cash in Hand		5,033.00	5,033.00		9,995.00	9,995.00
with Vijaya Bank	369,968,106.83		369,968,106.83	66,688,925.37		66,688,925.37
with State Bank of India - Power Jyoti	7,000.00		7,000.00	5,531.45	-	5,531.45
with State Bank of India - Fees A/c	-		-	11,300,000.00	-	11,300,000.00
with State Bank of India - Fees A/c New	36,959,303.46		36,959,303.46	114,190,645.00		114,190,645.00
SUB TOTAL	406,934,410.29	5,033.00	406,939,443.29	192,185,101.82	9,995.00	192,195,096.82
SUBSIDIARY FUNDS:						
Admission Committee	704,312.00		704,312.00	704,312.00	-	704,312.00
Industrial Estate	9,472,063.26		9,472,063.26	6,064,447.26	-	6,064,447.26
Kitchen Project	6,272.00		6,272.00	6,272.00	-	6,272.00
Text Book Lending Bank	516,875.00		516,875.00	481,083.00		481,083.00
G.K. Agarwal Trust	239,233.00		239,233.00	209,620.00		209,620.00

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Nodal Centre	79,001.00		79,001.00	81,700.00		81,700.00
Product Development & Training Centre	193,741.00		193,741.00	186,218.00		186,218.00
Student Welfare Fund	7,522,153.00		7,522,153.00	6,190,808.00		6,190,808.00
SNFC Education	2,521,049.00		2,521,049.00	5,028,252.00		5,028,252.00
Alumni Association	4,939,473.66		4,939,473.66	3,579,763.50		3,579,763.50
TEQIP - II	45,935,508.95		45,935,508.95	39,459,519.00		39,459,519.00
Research & Consultancy Cell	27,718,070.55		27,718,070.55	6,389,793.55		6,389,793.55
Dean Academic Affairs	35,987,987.50		35,987,987.50	44,614,721.50		44,614,721.50
Project Account	32,468,246.78		32,468,246.78	17,419,181.78		17,419,181.78
Sponsored Gold Medal	94,560.00		94,560.00	65,873.00	-	65,873.00
SUB TOTAL	168,398,546.70	-	168,398,546.70	130,481,564.59	-	130,481,564.59
TOTAL	575,332,956.99	5,033.00	575,337,989.99	322,666,666.41	9,995.00	322,676,661.41

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 8 -- LOANS, ADVANCES AND DEPOSITS

(Amount-Rs)

	CURRENT YEAR	PREVIOUS YEAR
-		
1. Advances to employees: (Non-interest bearing)		
a) Salary	-	-
b) Festival	3,970,200.00	3,970,200.00
c) Medical Advance	-	-
d) Other (to be specified) (Refer Annexure F (1) &(2)	15,793,300.27	11,300,851.00
2. Long Term Advances to employees: (Interest bearing)		

a) Vehicle loan	-	-
b) Home loan	-	-
c) Others (to be specified)	-	-
3. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) On Capital Account (Refer Annexure F (3))	76,780,632.00	37,392,350.00
b) to suppliers	-	-
c) Others (Refer Annexure F (4))	13,024,778.00	10,748,136.64
4. Prepaid Expenses		
a) Insurance	-	-
b) Other expenses		
Library & E-Journals		-
5. Deposits		
a) Telephone	-	-
b) Lease Rent	-	-
c) Electricity	-	-
d) AICTE, if applicable	-	-
e) Others (to be specified)	-	-
6. Income Accrued:		
a) On Investments from Earmarked/ Endowment Funds (Refer Annexure F (5))	48,777,656.00	18,236,803.00
b) On Investments-Others	-	-
c) On Loans and Advances	-	-
d) Others	-	-
(includes income due unrealized-Rs.....)		
7. Other receivable		
a) Debit balances in Sponsored Projects	-	-
b) Debit balances in Fellowship & Scholarship (Refer Annexure F (6))	6,364,295.00	6,388,465.00

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c) Grants Recoverable		210,398,000.00
d) Excess Utilisation Of Grant (Refer Annexure B(4))	9,932,321.70	156,835,042.70
8. Claims Receivable		-
Tax Deducted at Source FY 2014-15	24,004.00	24,004.00
Tax Deducted at Source FY 2013-14	973,180.00	973,180.00
Tax Deducted at Source-Industrial Estate	109,398.00	109,398.00
Tax Deducted at Source-Alumini Association	60,357.00	40,510.00
TOTAL	175,810,121.97	456,416,940.34

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE F OF SCH 8

LOANS, ADVANCES AND DEPOSITS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Advances given during the Current Year 2015-16	Advances Adjusted during the Current Year 2015-16	Journal Entry Adjustments	As at March 31, 2016	As at March 31, 2015
<u>F(1). Advances to Employees</u>						
1. Salary						
Institute- Imprest earlier years	806,930.00	-	-	806,930.00	-	806,930.00
Institute-Staff Advances - F-(i)	3,301,216.00	21,368,719.40	17,611,486.13	-	7,058,449.27	3,311,216.00
Institute- Permanent Imprest - F-(ii)	753,690.00	274,405.00	264,655.00	-	763,440.00	743,690.00
TOTAL	4,861,836.00	21,643,124.40	17,876,141.13	806,930.00	7,821,889.27	4,861,836.00
<u>F(2). Advances - Others</u>						

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Institute-Interest recoverable from GPF	970,000.00	-	-	-	970,000.00	970,000.00
Institute-Science City- Recoverable Expense	92,325.00			-	92,325.00	92,325.00
Institute-CCB Fund	69,385.00		69,385.00	-	-	69,385.00
Institute-LC Debit on account R&C	3,996,267.00	2,106,318.00			6,102,585.00	3,996,267.00
Institute-NPS Payment	504,537.00		504,537.00	-	-	504,537.00
Subsidiary-Miscellaneous Advances	806,501.00			-	806,501.00	806,501.00
TOTAL	6,439,015.00	2,106,318.00	573,922.00	-	7,971,411.00	6,439,015.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE F OF SCH 8

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2015	Advances given during the Current Year 2015-16	Advances Adjusted during the Current Year 2015-16	Journal Entry Adjustments	As at March 31, 2016	As at March 31, 2015
F-3. Advances and other amounts recoverable in cash or in kind or for value to be received -- On Capital Account						
Pending Adjustment with Contractors (Earlier years)	45,705.00	-	-	45,705.00	-	45,705.00
Advances for Fixed Assets & Revenue Expenses - F-(iii)	37,346,645.00	44,267,358.00	4,833,371.00	-	76,780,632.00	37,346,645.00
TOTAL	37,392,350.00	44,267,358.00	4,833,371.00	45,705.00	76,780,632.00	37,392,350.00
F(4). Advances and other amounts recoverable in cash or in kind or for value to be received -- Others						
Institute	-	-	-	-	-	-
	-	-	-	-	-	-
Recoverable Deposit- Institute- G.I. for Students	1,148,078.64	1,169,078.00	2,317,156.64		-	1,148,078.64
Recoverable Deposit- Institute-Group	(347,648.00)	1,633,352.00	1,159,550.00		126,154.00	(347,648.00)

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Insurance Scheme						
Recoverable Deposit- Institute-Security & Earnest Money	(3,189,051.00)	3,189,051.00			-	(3,189,051.00)
	-	-	-	-	-	-
Subsidiary	-	-	-	-	-	-
	-	-	-	-	-	-
Subsidiary- Alumni Association - Advance & Imprest	5,000.00			-	5,000.00	5,000.00
Subsidiary-Dean Academics - Advances	40,050.00	30,000.00	30,000.00	-	40,050.00	40,050.00
Subsidiary-Project Account - Advance & Imprest	380,401.00	599,870.00	320,770.00	-	659,501.00	380,401.00
R&C Cell - Advances & Imprest	1,358,775.00	1,083,183.00	365,176.00	-	2,076,782.00	1,358,775.00
R&C Cell - Receivable against Uncleared Cheque	102,630.00			-	102,630.00	102,630.00
R&C Cell - Receivable from Project Account	154,018.00	678,700.00	678,700.00	-	154,018.00	154,018.00
R&C Cell - Loan/Cont. to GPF A/c towards Interest	7,800,000.00			-	7,800,000.00	7,800,000.00
SNFCE - Advance & Imprest	140,240.00		140,240.00	-	-	140,240.00
SNFCE - Receivable against FDP	1,486,074.00			-	1,486,074.00	1,486,074.00
Subsidiary-Student Welfare Fund - Advance	172,827.00	15,000.00	-	-	187,827.00	172,827.00
Subsidiary-Student Welfare Fund - LIC	37,636.00			-	37,636.00	37,636.00
TEQIP - Advances Recoverable	1,110,000.00		1,110,000.00	-	-	1,110,000.00
Loan to Tanzanian Student Project	251,000.00			-	251,000.00	251,000.00
Loan to Student Subsidiary Funds	91,000.00			-	91,000.00	91,000.00
Recoverable Deposit- Subsidiaries-Security & Earnest Money	7,106.00				7,106.00	7,106.00
TOTAL	10,748,136.64	8,398,234.00	6,121,592.64	-	13,024,778.00	10,748,136.64

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SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE F OF SCH 8

F(5). Income Accrued - On Investments other than Earmarked/Endowment Funds

(Amount in Rs.)

Particulars	As at March 31, 2015	Transactions during the year		As at March 31, 2016	As at March 31, 2015
		Debit	Credit		
<u>On Term Deposit</u>					
<u>Institute:</u>					
TDR - Institute	17,796,185.00	38,423,031.00	8,454,509.00	47,764,707.00	17,796,185.00
<u>Subsidiary Funds:</u>					
T.D.R. with Alumni Association	36,582.00			36,582.00	36,582.00
T.D.R. with Sponsored Gold Medal	2,435.00			2,435.00	2,435.00
T.D.R. with Industrial Estate		572,331.00		572,331.00	
<u>Student Welfare Fund</u>					
T.D.R. with Student Welfare Fund	109,675.00			109,675.00	109,675.00
T.D.R. out of Caution Money	291,926.00			291,926.00	291,926.00
TOTAL	18,236,803.00	38,995,362.00	8,454,509.00	48,777,656.00	18,236,803.00

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SCHEDULE FORMING PART OF BALANCE SHEET**

ANNEXURE F OF SCH 8

F(6). DEBIT BALANCES IN FELLOWSHIP & SCHOLARSHIP

(Amount in Rs.)

HEAD OF ACCOUNT	OPENING BALANCE AS ON 01/04/2015		TRANSACTION DURING THE YEAR 2015-16		CLOSING BALANCE AS ON 31/03/2016	
	DEBIT	CREDIT	DEBIT	CREDIT	DEBIT	CREDIT
Board of Apprenticeship Training	1,101,191.00		320,608.00	92,003.00	1,329,796.00	-
CSIR Delhi	556,985.00				556,985.00	-
Fellowship (MHRD)	147,489.00				147,489.00	-
ICCCT (Dr. A.K. Misra)	344,820.00		-	344,820.00	-	-
ICSSR Project	192,000.00				192,000.00	-
National Seminar (HSS Department)	140,017.00				140,017.00	-
PHE Stip & Contingency	45,485.00				45,485.00	-
QIP Polytechnique	3,513,881.00		54,000.00		3,567,881.00	-
Seminar on Electric Power Conversion	72,458.00				72,458.00	-
UPCST Domestic Waste Water Treatment	79,402.00				79,402.00	-
Workshop Virtual Instrumentation & Its Application	1,556.00				1,556.00	-
Fellowship (CSIR)	193,181.00		38,045.00	-	231,226.00	-
TOTAL	6,388,465.00	-	412,653.00	436,823.00	6,364,295.00	-

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GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE F-1 OF SCH 8

LOANS, ADVANCES AND DEPOSITS**F-(i) - Advances to Staff**

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Abhay Raj Singh		14,300.00	14,300.00	-
2	Abhay Singh	20,000.00		13,740.00	6,260.00
3	Abhishek Kumar		54,000.00		54,000.00
4	Ajay Bharti		70,000.00	8,275.00	61,725.00
5	Ak Agarwal		58,000.00	58,000.00	-
6	A.K. Mishra		80,000.00	80,000.00	-
7	A.K Singh (GIS Cell)		142,500.00		142,500.00
8	Ambak Kumar Rai		135,000.00	10,601.00	124,399.00
9	Anil Kumar	36,000.00	278,000.00	286,000.00	28,000.00
10	Anil Sweeper		1,200.00	1,200.00	-
11	Animesh K Ojha		95,000.00		95,000.00
12	Anirudh Narain		151,000.00	151,000.00	-
13	Anuj Jain	(463.00)	161,000.00	127,000.00	33,537.00
14	Arvind Aggarwal	80,000.00		80,000.00	-
15	Ashutosh Pandey	80,000.00		80,000.00	-
16	Asim Mukherjee	67,362.00		67,362.00	-
17	Avanish Kumar Dubey		287,000.00	165,479.00	121,521.00
18	Banwari Lal		58,000.00	58,000.00	-
19	Basant Kumar		244,000.00	1,975.00	242,025.00

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20	Danish Ansari		120,000.00	74,953.00	45,047.00
21	Deepak Kr. Yadav (Sac)		296,500.00	129,754.00	166,746.00
22	Deepak Kumar		84,000.00	74,000.00	10,000.00
23	Dinesh Chandra	109,291.00		109,291.00	-
24	Dinesh Singh		62,000.00	29,000.00	33,000.00
25	D. K. Dwivedi	17,540.00		15,590.00	1,950.00
26	D.K.Yadav		288,000.00	201,745.00	86,255.00
27	Ambalika Sinha	5,200.00	235,000.00	6,000.00	234,200.00
28	Asheesh Kumar Singh	85,936.00		85,936.00	-
29	B.D.Chowdhary	(1.00)	1.00		-
30	Geetika		28,000.00	28,000.00	-
31	H.K.Pandey	120,716.00	100,000.00	77,716.00	143,000.00
32	K.M. Gupta	22,407.00			22,407.00
33	Manisha Sachan	40.00	122,905.00	122,945.00	-
34	Manoj Kumar	(35,000.00)	155,000.00	120,000.00	-
35	Paulson Samuel	150,000.00	158,000.00	145,000.00	163,000.00
36	Priyaranjan Pal	(2,840.00)	86,000.00	34,277.00	48,883.00
37	Radha Rani Mewaram		128,000.00	128,000.00	-
38	Rajeev Tripathi	2,000.00		2,000.00	-
39	Rajesh Gupta		121,200.00	121,200.00	-
40	Rajesh Kumar Shastri	(50.00)	50.00		-
41	Raj Mohan Singh	(4,996.00)	154,155.00	154,155.00	(4,996.00)
42	Rakesh Kumar	2,426.00	117,000.00	2,453.00	116,973.00
43	R D Gupta	176,000.00		176,000.00	-
44	Richa Negi		223,600.00	68,600.00	155,000.00
45	Sadhana Sachan		214,155.00	214,155.00	-
46	Sanjeev Rai	33,758.00		33,758.00	-

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47	Shadeo Padhey	(49.00)	49.00		-
48	Shailendra Kumar Mishra	45,000.00		45,000.00	-
49	Shivesh Sharma	(22,250.00)	51,000.00	51,000.00	(22,250.00)
50	Tripti Singh	140,000.00	306,000.00	377,656.00	68,344.00
51	Vibhuti Tripathi	45,000.00		45,000.00	-
52	Dushyant Kumar Singh	25,000.00	17,000.00	42,000.00	-
53	Election Advance	117,000.00		9,000.00	108,000.00
54	Festival Advance	499,000.00	4,739,000.00	4,438,400.00	799,600.00
55	Ganga Prasad		10,000.00	10,000.00	-
56	Gautam Ghosh		90,000.00	54,455.00	35,545.00
57	G. K Mehrotra		156,000.00	156,000.00	-
58	Gyanendra Kr. Tiwari		53,000.00	38,000.00	15,000.00
59	Harish Chandra		171,000.00	171,000.00	-
60	House Building And Vehicle Advance	246,486.00	256,654.00	320,760.00	182,380.00
61	J. L.Yadav		10,000.00	4,100.00	5,900.00
62	K. N Pandey		99,000.00	4,001.00	94,999.00
63	K. N Singh	15,000.00	15,001.00	30,001.00	-
64	Kumar Pallav	63,000.00	15,000.00	78,000.00	-
65	Kumar Venkatesh	186,000.00	241,000.00	252,328.00	174,672.00
66	Lal Bahadur Maurya	3,100.00		3,100.00	-
67	L. K Mishra	(2,000.00)			(2,000.00)
68	Manas Agrawal		205,000.00	180,000.00	25,000.00
69	Manisha Yadav		29,200.00	16,361.00	12,839.00
70	Manish Gupta	(60.00)	287,060.00	287,000.00	-
71	Manish Kumar		430,000.00	10,000.00	420,000.00
72	Manish Tiwari		108,000.00	23,085.00	84,915.00
73	Manohar Yadav		144,000.00	144,000.00	-

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74	Manoj Kumar Gupta		177,000.00	177,000.00	-
75	Mayank Pandey		99,000.00	10,806.00	88,194.00
76	M. M. Gore		81,000.00	81,000.00	-
77	Movin Ahmad		23,747.00	23,747.00	-
78	M. Siraj Alam	70.00	39,000.00	39,070.00	-
79	M. Venketesh Naiek		35,000.00	35,000.00	-
80	Nand Kishor		90,000.00	1,420.00	88,580.00
81	Naresh Kumar		140,500.00	23,184.00	117,316.00
82	Nekram Rawal	14,500.00	181,000.00	56,910.00	138,590.00
83	Niroj Banerjee		68,000.00	68,000.00	-
84	Pankaj Srivastava	22,000.00	276,000.00	223,347.00	74,653.00
85	Pitam Singh		13,000.00	13,000.00	-
86	Piyali Ghosh		243,000.00	164,000.00	79,000.00
87	Pragya Dwivedi		128,000.00	128,000.00	-
88	Pramod Kumar Yadav		94,000.00	94,000.00	-
89	Rahul Dev	25,000.00	100,000.00	25,000.00	100,000.00
90	Rajeev Gupta		115,000.00	115,000.00	-
91	Rama Shankar		463,000.00	463,000.00	-
92	Ramesh Pandey		35,000.00	35,000.00	-
93	Ram Ji Dwivedi	79,000.00	54,800.00	80,056.00	53,744.00
94	Ram Pal Singh	40.00	270,000.00	270,040.00	-
95	Ram Shiromani		45,000.00	45,000.00	-
96	Ravindra Tripathi		7,000.00	7,000.00	-
97	R. C. Vaisya		257,500.00	224,000.00	33,500.00
98	R. K. Dewang		90,000.00	56,000.00	34,000.00
99	R. K. Nagaria		90,000.00	90,000.00	-
100	R. K. Srivastava	80,000.00	236,000.00	316,000.00	-

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101	Sanjay Kumar (SAC)		126,000.00	126,000.00	-
102	Sanjiv Banerjee		135,000.00	135,000.00	-
103	Satyajeet Kumar		261,000.00	225,126.00	35,874.00
104	Shabih-UI-Hasan	80,000.00		80,000.00	-
105	Shashwati Banerjee		157,000.00		157,000.00
106	Shobh Nath	1,572.00		1,572.00	-
107	Shubhi Purwar		284,000.00	284,000.00	-
108	Shwetank Parihar		40,000.00	40,000.00	-
109	S. J. Pawar		297,000.00	167,971.00	129,029.00
110	S. K. Gaur	150,000.00	1,000,000.00	700,000.00	450,000.00
111	Jyotsna Sinha	6,155.00		6,155.00	-
112	Sweta Ranjan	15,984.00	20,000.00	20,000.00	15,984.00
113	S. N. Pandey Maths	1.00	181,000.00	9,000.00	172,001.00
114	Sonam Agrawal		113,000.00	103,000.00	10,000.00
115	Soumya Ranjan Mohanty	(440.00)	139,440.00	139,000.00	-
116	S. P. Verma	(633.00)	139,290.00	71,488.73	67,168.27
117	Akshoy Ranjan Paul		87,000.00	87,000.00	-
118	Arvind Kumar	60.00	282,000.00	60,954.00	221,106.00
119	B. D. Tripathi		15,000.00	15,000.00	-
120	Bechan Ram	15,000.00	205,000.00	170,000.00	50,000.00
121	Brijesh Kumar	452.00		452.00	-
122	D. S. Kushwaha		35,000.00	35,000.00	-
123	Mukesh Kumar		49,000.00	49,000.00	-
124	Puroshottam Lal	605.00		605.00	-
125	Rabindra Kumar Patel	24,172.00	210.00	24,382.00	-
126	Rajeev Srivastava	6,955.00	197,000.00	1,004.00	202,951.00
127	Ritesh Kumar Sahu		15,000.00		15,000.00

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128	R.K. Sharma	98,000.00		98,000.00	-
129	Sameer Saraswati		53,000.40	53,000.40	-
130	Sanjay Singh	92,000.00	3,800.00	56,774.00	39,026.00
131	Sanjay Yadav	13,960.00	73,000.00	73,000.00	13,960.00
132	Satanand Yadav	(1.00)	1.00		-
133	S. K. Mishra		5,000.00	5,000.00	-
134	Trivikarma	251,211.00	262,000.00	513,211.00	-
135	S. S. Narvi		140,000.00	135,000.00	5,000.00
136	Suantak Kamsonlian		61,000.00	61,000.00	-
137	Sushil Kumar		536,900.00	373,926.00	162,974.00
138	Tanuj Nandan		303,000.00	151,769.00	151,231.00
139	Vijaya Bhadauria		152,000.00		152,000.00
140	Vijay Pal (LDC)		86,500.00	61,324.00	25,176.00
141	Vinod Kr Mishra		40,000.00		40,000.00
142	Vivek Kumar Patel		84,000.00	84,000.00	-
143	V. Krishna Rao Kandavli		155,000.00	140,000.00	15,000.00
144	V. Murari		167,001.00	167,001.00	-
145	V. Narendar		12,500.00	3,000.00	9,500.00
146	V. R. Koma		49,000.00	49,000.00	-
147	Yogendra Kumar Prajapati			22,484.00	(22,484.00)
	Grand Total	3,301,216.00	21,368,719.40	17,611,486.13	7,058,449.27

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE F-1 OF SCH 8

LOANS, ADVANCES AND DEPOSITS
F-(ii) - Permanent Imprest to Employees

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Abhay Raj Singh (Imprest)	5,000.00	10,000.00	5,000.00	10,000.00
2	A.K Sachan (Imprest)	10,000.00	10,000.00	10,000.00	10,000.00
3	A. K. Singh AE (E) (Imprest)	10,000.00			10,000.00
4	A. K. Singh CED (Imprest)		10,000.00		10,000.00
5	Ambak Kumar Rai (Imprest)		20,000.00		20,000.00
6	Ambalika Sinha (Imprest)		5,000.00		5,000.00
7	Anil Kumar (Imprest)	15,000.00	14,822.00		29,822.00
8	Animesh Ojha (Imprest)	15,000.00			15,000.00
9	Anjana Pandey (Imprest)	15,000.00			15,000.00
10	Anuj Jain (Imprest)	10,000.00		10,000.00	-
11	Asheesh Kumar Singh (Imprest)	15,000.00			15,000.00
12	Ashutosh Pandey (Imprest)	15,000.00			15,000.00
13	B. D. Tripathi (Imprest)	10,000.00		10,000.00	-
14	Deepesh Tiwari (Imprest)	2,000.00			2,000.00
15	Asheesh Kr Singh (Imprest)	15,000.00			15,000.00
16	Naresh Kumar	10,000.00			10,000.00
17	N. D Pandey (Imprest)	2,000.00			2,000.00
18	P. K. Mishra (Imprest)	5,000.00			5,000.00

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19	Sadhana Sachan (Imprest)	10,000.00			10,000.00
20	Shailendra Kumar Mishra (Imprest)	15,000.00			15,000.00
21	Vinod Yadav (Imprest) (Chief Warden)		5,000.00		5,000.00
22	Ganga Prasad (Imprest)		10,000.00		10,000.00
23	Gautam Ghosh (Imprest)	15,000.00		15,000.00	-
24	Geetika (Imprest)	10,000.00		10,000.00	-
25	G. P. Sahu (Imprest)	15,000.00			15,000.00
26	K. N Pandey (Imprest)	10,000.00	8,583.00		18,583.00
27	K. N. Singh (Imprest)	20,000.00			20,000.00
28	Kumar Pallav (Imprest)		10,000.00	10,000.00	-
29	Manish Kumar (EE) (Imprest)		30,000.00		30,000.00
30	Nand Kishore (Imprest)	10,000.00		8,580.00	1,420.00
31	Neeraj Tyagi (Imprest)	10,000.00			10,000.00
32	Nekram Rawal (Imprest)		10,000.00	10,000.00	-
33	Niroj Banerjee (Imprest)	5,000.00			5,000.00
34	N.K. Singh (Imprest)	15,000.00			15,000.00
35	Pankaj Srivastava (Imprest)		10,000.00		10,000.00
36	Piyali Ghosh (Imprest)	14,690.00		14,690.00	-
37	Pramod Kumar Yadav (Imprest)	15,000.00			15,000.00
38	P.R. Pal (Imprest)	15,000.00			15,000.00
39	Radharani Mewaram (Imprest)		15,000.00		15,000.00
40	Rajeev Srivastava (Imprest)	15,000.00		15,000.00	-
41	Rajeev Tripathi (Head) (Imprest)	10,000.00			10,000.00
42	Rakesh Narayan (Imprest)		15,000.00		15,000.00
43	Ramesh Pandey (Imprest)	10,000.00	15,000.00		25,000.00
44	Ravi Prakash AMD (Imprest)	5,000.00			5,000.00
45	R. C. Vaisya (Imprest)	10,000.00			10,000.00

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46	Ritesh Kumar Sahu (Imprest)	15,000.00		15,000.00	-
47	R. K. Nagaria (Imprest)	15,000.00			15,000.00
48	R. K. Srivastava P& D (Imprest)	15,000.00		15,000.00	-
49	R. K. Tripathi (Imprest)	10,000.00		10,000.00	-
50	R. P. Tiwari (Imprest)	10,000.00			10,000.00
51	R. P. Tiwari Proctor (Imprest)	10,000.00			10,000.00
52	R. P. Tiwari Prof & Head (Imprest)	10,000.00			10,000.00
53	R. S. Yadav (Imprest)	10,000.00			10,000.00
54	Samir Sraswati (Imprest)	15,000.00			15,000.00
55	Sanjiv Banerjee (Imprest)	15,000.00			15,000.00
56	Sarvesh Kumar Tiwari PIO (Imprest)	2,000.00		2,000.00	-
57	Shivesh Sharma (Imprest)	60,000.00			60,000.00
58	Sanjay Singh (Imprest)	5,000.00		5,000.00	-
59	Subhi Purwar (Imprest)		15,000.00		15,000.00
60	Shweta Ranjan (E.O.)	15,000.00			15,000.00
61	Shweta Tripathi (Imprest)	15,000.00		15,000.00	-
62	Siraj Alam (Imprest)	10,000.00		10,000.00	-
63	Siraj Alam Warden (Imprest)	15,000.00			15,000.00
64	S. J. Pawar A/P (Imprest)	2,000.00			2,000.00
65	S. K. Duggul (Imprest)	5,000.00		5,000.00	-
66	S. K. Tiwari (Imprest)	(1,000.00)	1,000.00		-
67	S. N. Pandey (Imprest)	15,000.00			15,000.00
68	S. P. Verma (Imprest)	2,000.00			2,000.00
69	Asim Mukherjee (Imprest)	15,000.00		15,000.00	-
70	Har Nath Kar (Imprest)	10,000.00		10,000.00	-
71	S. R. Mohanty (Imprest)		15,000.00		15,000.00
72	S. S. Narvi (Imprest)	10,000.00			10,000.00

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73	Sushil Kumar (Imprest)	10,000.00			10,000.00
74	Sushil Kumar Warden (Imprest)	15,000.00			15,000.00
75	Tanuj Nandon (Imprest)		15,000.00		15,000.00
76	U. S. Sharma (Imprest)	25,000.00		25,000.00	-
77	Varun Singh (Imprest)		15,000.00	15,000.00	-
78	V. K. Srivastava (Imprest)	15,000.00	15,000.00	4,385.00	25,615.00
	Grand Total	753,690.00	274,405.00	264,655.00	763,440.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE F-3 OF SCH 8

LOANS, ADVANCES AND DEPOSITS

F -(iii) - Advance for Fixed Assets & Revenue Expenses

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Balmer Lawrie & Co.	1,235,000.00			1,235,000.00
2	Anjali Electronics	8,100.00			8,100.00
3	Autometer Alliance Ltd	68,360.00			68,360.00
4	Batra Electronic Cottage	23,490.00			23,490.00
5	Bhargava Engg. Works	60,800.00			60,800.00
6	Bhushan & Bhushan	125,928.00			125,928.00
7	Bombay Machinery	14,490.00			14,490.00
8	Carrier Aircon	43,346.00			43,346.00
9	Chemico Instruments Pvt. Ltd.	7,000.00			7,000.00
10	Comcare Enterprises	147,022.00			147,022.00

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11	CPWD Advance	1,498,350.00	22,177,660.00	1,498,350.00	22,177,660.00
12	EDS Technology	110,000.00			110,000.00
13	Elite Furniture	423,162.00			423,162.00
14	Fa & Cao N Rly	22,112,506.00			22,112,506.00
15	Gaur Electrical	68,580.00			68,580.00
16	HCL Info System	460,634.00			460,634.00
17	Hydraulic Engg Instrument	280,155.00			280,155.00
18	Indian Institute Of Foreign Trade	14,935.00			14,935.00
19	Indian Oil Corporation	10,962.00			10,962.00
20	Jamuna Marketing Pvt Ltd	187,034.00			187,034.00
21	Jay Pee Cement	34,500.00			34,500.00
22	Lab India Instrument	11,703.00			11,703.00
23	Lalji Enterprises	5,000.00			5,000.00
24	Mack Electrical & Equipment	65,350.00			65,350.00
25	Mangalam Service Station (Advance)	63,790.00		63,790.00	-
26	Matra Distributor	6,615.00			6,615.00
27	Minimax Electronics	13,208.00			13,208.00
28	M/S Bhargava Tyres	(18,844.00)			(18,844.00)
29	M/S Rites Ltd.	5,378,042.00	2,089,698.00	105,410.00	7,362,330.00
30	Rites Ltd. - A/c Girls Hostel - RT 5300010		20,000,000.00	3,165,821.00	16,834,179.00
31	Peco Cooling Tower	213,390.00			213,390.00
32	Pericom System	175,620.00			175,620.00
33	Point Stationery	13,189.00			13,189.00
34	Pragaya Electric Co.	5,625.00			5,625.00
35	Prism Cement	147,400.00			147,400.00
36	Project Officer Neda	135,143.00			135,143.00
37	Quartz Marketing System	108,061.00			108,061.00

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38	Rai & Co	120,697.00			120,697.00
39	Ranial Graphics	92,388.00			92,388.00
40	Richa Medical Agency	(21.00)			(21.00)
41	Sahani Refrigeration	78,690.00			78,690.00
42	Scientech Technologies	9,208.00			9,208.00
43	Shaan Trader	129,736.00			129,736.00
44	Sharda Enterprises	303,290.00			303,290.00
45	Shivam Paints	35,696.00			35,696.00
46	Sn Aqua System	69,360.00			69,360.00
47	Spic Macay	10,000.00			10,000.00
48	SRK System	5,600.00			5,600.00
49	Surekha Sales Pvt Ltd	8,905.00			8,905.00
50	Surgico Medicare Agency	6,250.00			6,250.00
51	Tele Links	7,065.00			7,065.00
52	Total Presentation Devices	168,000.00			168,000.00
53	Tritech Enterprises	87,903.00			87,903.00
54	Versatile Construction	2,422,000.00			2,422,000.00
55	Voltas Ltd	534,232.00			534,232.00
	Grand Total	37,346,645.00	44,267,358.00	4,833,371.00	76,780,632.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 9 – ACADEMIC RECEIPTS

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR
FEE FROM STUDENTS		
<u>A. Academic</u>		
<u>Tuition Fees:</u>		
Tuition Fees B.Tech	159,795,651.00	138,145,000.00
Tuition Fees MBA	1,944,000.00	2,952,000.00
Tuition Fees MCA	12,460,000.00	12,215,000.00
Tuition Fees M.Tech	42,875,000.00	39,970,000.00
Tuition Fees Ph.D	6,300,000.00	5,775,000.00
Tuition Fees M.Sc.	472,500.00	285,000.00
Tuition Fees MSW	142,500.00	105,000.00
<u>Admission fee:</u>		
Registration Fees M.Tech	201,800.00	193,500.00
Registration Fees MBA	19,000.00	43,600.00
Registration Fees MCA	60,600.00	59,700.00
Registration Fees PhD	84,000.00	77,000.00
Registration Fees MSW	2,500.00	1,400.00
Registration Fees M.Sc.	7,300.00	3,800.00
Registration Fees B.Tech	809,500.00	739,500.00
Day Fees B.Tech	1,209,800.00	1,104,800.00
Day Fees M.Tech	357,050.00	342,525.00
Day Fees MBA	33,250.00	56,600.00

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Day Fees MCA	105,900.00	104,325.00
Day Fees Ph.D	232,850.00	222,350.00
Day Fees M.Sc.	10,950.00	5,700.00
Day Fees MSW	3,750.00	2,100.00
Enrolment Fee	157,200.00	180,700.00
Library fee	3,320,016.00	3,284,016.00
Laboratory fee:		
Lab Fees B.Tech	2,225,750.00	2,050,750.00
Lab Fees M. Tech	562,000.00	541,250.00
Lab Fees MBA	47,500.00	79,000.00
Lab Fees MCA	156,500.00	154,250.00
Lab Fees Ph.D	394,000.00	376,500.00
Lab Fees M.Sc.	18,250.00	9,500.00
Lab Fees MSW	6,250.00	3,500.00
Syllabus fee	518,400.00	504,000.00
Total (A)	234,533,767.00	209,587,366.00
B. Examinations		
Admission test fee	-	-
Mark sheet, certificate fee	-	-
Entrance examination fee		
Total (B)	-	-
C. Other fees		
Identity card fee	164,600.00	161,000.00
Fine/Miscellaneous fee		
Medical fee	2,956,000.00	2,920,000.00
Transportation fee:		
Bus Charges from Student	898,200.00	308,000.00

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Private Use of Vehicle		1,237,915.00
Hostel fee		
Development Fees	1,193,450.00	1,157,450.00
Magazine Fees	589,100.00	574,700.00
Placement Charges	3,327,616.00	2,265,590.00
Student Welfare Fees	618,490.00	604,090.00
Total (C)	9,747,456.00	9,228,745.00
D. Sale of publications		
Sale of syllabus and Question Paper, etc.		
Sale of prospectus including admission forms		
Total (D)		
E. Other Academic Receipts		
Total (E)	-	-
GRAND TOTAL (A+B+C+D+E)	244,281,223.00	218,816,111.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 10- GRANTS & DONATIONS

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>		<u>PREVIOUS YEAR</u>	
(Irrevocable Grants & Subsidies Received)				
1) Central Government				
Non-Plan				
Grant-in-aid released during the year	380,000,000.00		440,000,000.00	
Add: Unutilized balance of Grants as on 01st April	168,536,403.93		142,442,123.00	
	548,536,403.93		582,442,123.00	
Less: Unutilized balance of Grants as on 31st March	113,928,334.93	434,608,069.00	168,536,403.93	413,905,719.07

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Plan				
Grant-in-aid released during the year	550,000,000.00		490,398,000.00	
Add/(Less): Unutilized / (Excess Utilized) balance of Grants as on 01st April	156,835,042.70		(204,383,554.57)	
	393,164,957.30		286,014,445.43	
Add/(Less): Excess Utilized / (Unutilized) balance of Grants as on 31st March	9,932,321.70	403,097,279.00	156,835,042.70	442,849,488.13
Sub Total		837,705,348.00		856,755,207.20
Less: Amount utilized for capital Expenditure from Grant		211,884,663.00		265,132,092.13
Net Amount utilized for Revenue Expenditure		625,820,685.00		591,623,115.07
Apportioned amount of Grants/Fund towards Depreciation				
From Differed Government Grants	143,154,292.00		97,894,446.00	
From Capital Fund	45,554,852.00	188,709,144.00	45,554,852.00	143,449,298.00
<u>TOTAL</u>		814,529,829.00		735,072,413.07

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 11- INCOME FROM INVESTMENTS

(Amount-Rs)

Income from Earmarked/Endowment Funds	CURRENT YEAR	PREVIOUS YEAR
1) Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) Interest on Term deposits	30,148,635.00	
3) Income accrued but not due on Term Deposits/Interest bearing advances to employees(Refer Schedule 3)	10,659,332.00	7,050,975.00

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4) Interest on Saving Bank Accounts	-	-
5) Others		
TOTAL	40,807,967.00	7,050,975.00
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS	40,807,967.00	7,050,975.00

Income Others	CURRENT YEAR	PREVIOUS YEAR
<u>1) Interest</u>		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
<u>2) Income Received</u>		
a) Each Fund separately	-	-
<u>3) Income accrued</u>		
a) Each Fund separately	-	-
<u>4) Others (Specify)</u>	-	-
TOTAL		

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 12- INTEREST EARNED

(Amount-Rs)

Income Others	CURRENT YEAR	PREVIOUS YEAR
1. On Saving Accounts with Scheduled banks	9,558,629.00	11,672,275.00
2. On Loans		-
a) Employees/Staff		
Interest on Computer Loan Recovery	4,015.00	-
Interest on House Building Loan Recovery	45,500.00	-

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Interest on Motorcycle Loan Recovery	13,440.00	-
b) Others		-
3. On Debtors and Other Receivables-Rites Gurgaon	2,089,698.00	8,216,857.00
4. On Term Deposit with Scheduled Banks	56,032,372.00	27,574,781.00
TOTAL	67,743,654.00	47,463,913.00

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SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 13- OTHER INCOME

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
A. Income from Land & Building		
<u>1. Hostel Room Rent</u>		
Hostel Fan Charges	1,759,250.00	1,737,650.00
Hostel Replacement Charges		1,129,531.00
Hostel Room Rent	4,474,000.00	4,420,000.00
Hostel Utensils	1,061,400.00	1,047,000.00
Shop/Canteen Rent, Electric Charges & Water Charges	355,820.00	231,317.00
Rent from Staff Quarter	706,657.00	2,159,210.00
Building Rent	224,575.75	
Income from Guest House	1,113,576.00	
<u>2. License fee</u>		
<u>3. Hire Charges of Auditorium/Play ground/Convention Centre, etc</u>		
<u>4. Electricity & water charges</u>		
Hostel Electricity Charges	8,886,000.25	8,778,000.00
Water/Electricity Charges from Contractor & Staff Quarter	2,226,693.00	2,964,806.00

Total	20,807,972.00	22,467,514.00
B. Sale of Institute's publications	-	-
C. Income from holding events	-	-
1. Gross Receipts from annual function/ sports carnival	-	-
Less: Direct expenditure incurred on the annual function/ sports carnival		
2. Gross Receipts from fetes	-	-
Less: Direct expenditure incurred on the fetes		
3. Gross Receipts for educational tours	-	-
Less: Direct expenditure incurred on the tours		
4. Others (to be specified and separately disclosed)	-	-
Total		
D. Others		
1. Income from consultancy	-	-
2. RTI fees	-	-
3. Income from Royalty	-	-
4. Sale of application form (recruitment)	-	-
5. Misc. receipts (Sale of tender form, waste paper, etc.)	-	-
6. Profit on Sale/disposal of Assets:		
a) Owned assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-

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7. Grants/ Donations from institutions, Welfare Bodies and International Organizations		
8. Others		
Computer hiring charges		-
Computer Stationery Charges	2,979,750.00	2,502,000.00
E-Mail Charges	5,084,700.00	5,023,500.00
NRI/DASA Fees	110,771,712.56	68,200,840.79
Recreation Fees	5,486,000.00	5,433,000.00
Student study tour	142,500.00	226,500.00
Student activity fees		91,200.00
Reference material	475,000.00	795,000.00
Verification of Degree/ Migration/ Marksheet	434,280.00	306,850.00
Alumni Fees	260,670.00	554,700.00
CMDR	24,775.00	-
Application Fees for Appointment	45,000.00	1,823,918.60
Lease rent Received		136,816.00
M.Tech/ Ph.D/ M.Sc. Admission Form		59,400.00
Miscellaneous Receipts Institute	1,320,331.27	632,910.00
Sale of Tender Form	54,800.00	326,805.00
Student Activity Centre		70,000.00
Vehicle Charges	12,187.00	
Library Misc Receipt	104,350.00	-
Seminar & Conference	61,272.00	
Retention of Service Charges-	636,917.00	204,928.00
Seminar Registration Fees		3,701.00
RTI Fees	11,165.00	
Total	127,905,409.83	86,392,069.39
GRAND TOTAL (A+B+C+D)	148,713,381.83	108,859,583.39

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 14- PRIOR PERIOD INCOME

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
1. Academic Receipts	47,000.40	-
2. Income from Investments	-	-
3. Interest Earned	196,654.00	-
Interest on TDR	-	17,798,656.00
4. Other Income	-	-
LC Debit on R&C Cell	2,106,318.00	
Total	2,349,972.40	17,798,656.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 15 – STAFF PAYMENTS & BENEFITS

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>			<u>PREVIOUS YEAR</u>		
	<u>PLAN</u>	<u>NON- PLAN</u>	<u>TOTAL</u>	<u>PLAN</u>	<u>NON- PLAN</u>	<u>TOTAL</u>
a) Salaries and Wages (Refer Annexure G (1))	-	216,167,983.00	216,167,983.00	-	202,419,094.00	202,419,094.00
b) Allowances and Bonus (Refer Annexure G (2))	-	206,067,737.00	206,067,737.00	-	194,222,817.00	194,222,817.00
c) Contribution to Provident Fund	-	235,698.00	235,698.00	-	228,816.00	228,816.00
d) Contribution to Other Fund (specify)			-			-
Pension Contribution	-	124,764.00	124,764.00	-	124,764.00	124,764.00
New Pension Scheme	-	10,275,911.00	10,275,911.00	-	8,388,638.00	8,388,638.00
e) Staff Welfare Expenses	-	-	-	-	-	-

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f) Retirement and Terminal Benefits (Refer Annexure G (3))	-	111,200,954.00	111,200,954.00	-	91,150,253.00	91,150,253.00
g) LTC facility	-	3,464,711.00	3,464,711.00	-	2,772,379.00	2,772,379.00
h) Medical facility	-	-	-	-	-	-
i) Children Education Allowance	-	3,574,323.00	3,574,323.00	-	3,164,629.00	3,164,629.00
j) Honorarium	-	-	-	-	-	-
k) Others (specify)	-	-	-	-	-	-
TOTAL	-	551,112,081.00	551,112,081.00	-	502,471,390.00	502,471,390.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE G OF SCH 15

STAFF PAYMENTS & BENEFITS

G(1). SALARIES AND WAGES

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2016	Journal Entry Adjustment		Current Year 2015-16	Previous Year 2014-15
		Provision as on 01/04/2015	Provision as on 31/03/2016		
Pay Director & Teaching	98,715,897.00	8,183,530.00	8,242,020.00	98,774,387.00	98,281,657.00
Pay Administrative Officer	5,009,432.00	311,390.00	440,690.00	5,138,732.00	3,286,521.00
Pay Other Staff	31,787,039.00	2,695,683.00	2,565,913.00	31,657,269.00	32,844,260.00
Pay Contractual Staff	64,396,915.00	3,510,470.00	4,176,398.00	65,062,843.00	56,025,718.00
Arrear Teaching & Non Teaching	1,488,438.00			1,488,438.00	1,621,734.00
Payment to visiting faculty	14,046,314.00			14,046,314.00	10,359,204.00
TOTAL	215,444,035.00	14,701,073.00	15,425,021.00	216,167,983.00	202,419,094.00

G(2). ALLOWANCES AND BONUS

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2016	Journal Entry Adjustment		Current Year 2015-16	Previous Year 2014-15
		Provision as on 01/04/2015	Provision as on 31/03/2016		
Teaching Staff :					
Dearness Allowance	116,418,533.00	8,756,391.00	9,808,022.00	117,470,164.00	103,693,684.00
HRA	3,170,380.00	267,198.00	265,078.00	3,168,260.00	3,124,515.00
Transport Allowances	9,435,980.00	938,952.00	655,248.00	9,152,276.00	11,744,352.00
Administrative Officer :					
Dearness Allowance	5,913,523.00	333,190.00	524,422.00	6,104,755.00	3,463,925.00
HRA	331,442.00	12,602.00	45,644.00	364,484.00	172,756.00
Transport Allowances	650,290.00	42,228.00	50,808.00	658,870.00	480,891.00
Other Staff					
Dearness Allowance	37,502,676.00	2,884,390.00	3,053,434.00	37,671,720.00	34,562,842.00
HRA	3,163,686.00	273,076.00	278,432.00	3,169,042.00	3,399,951.00
Transport Allowances	4,701,693.00	477,850.00	315,118.00	4,538,961.00	6,016,594.00
Washing Allowance	123,842.00	10,777.00	9,630.00	122,695.00	207,828.00
OTHER ALLOWANCES					
Bonus	697,708.00			697,708.00	690,800.00
Special Allowance	892,430.00	106,107.00	73,575.00	859,898.00	875,519.00
Cash Handling Allowance	1,960.00	150.00	230.00	2,040.00	1,800.00
Computer Allowance	-				24,000.00
Cumulative Professional Development Allowance	9,211,128.00			9,211,128.00	17,511,063.00

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Family Planning Incentive	223,367.00	17,870.00	16,640.00	222,137.00	233,607.00
Earned Leave Encashment on Salary	3,520,773.00	181,505.00	238,810.00	3,578,078.00	1,371,419.00
Leave encashment on Retirement	6,958,577.00		1,650,830.00	8,609,407.00	6,127,685.00
Deans Honorarium	238,170.00	24,500.00	21,000.00	234,670.00	294,000.00
T.A. on Retirement	231,444.00			231,444.00	225,586.00
TOTAL	203,387,602.00	14,326,786.00	17,006,921.00	206,067,737.00	194,222,817.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE G OF SCH 15

STAFF PAYMENTS & BENEFITS

G(3). RETIREMENT AND TERMINAL BENEFITS

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2016	Journal Entry Adjustment		Current Year 2015-16	Previous Year 2014-15
		Provision as on 01/04/2015	Provision as on 31/03/2016		
Leave Salary	99,000.00			99,000.00	99,000.00
Commuted Value of Pension	5,954,411.00		1,373,303.00	7,327,714.00	5,647,889.00
Gratuity	8,913,987.00		1,000,000.00	9,913,987.00	8,048,084.00
Medical Allowance (Pensioner)	2,185,570.00	177,500.00	182,500.00	2,190,570.00	1,575,211.00
Pension Pay	33,766,437.00	2,848,278.00	2,693,788.00	33,611,947.00	29,987,700.00
Pension Relief	48,570,312.00	3,699,740.00	4,218,209.00	49,088,781.00	42,264,021.00
ARREARS	-				-
Pay Revision - Pension	8,198,348.00	121,238.00	891,845.00	8,968,955.00	3,528,348.00
TOTAL	107,688,065.00	6,846,756.00	10,359,645.00	111,200,954.00	91,150,253.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGYALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 16 – ACADEMIC EXPENSES

(Amount-Rs)

PARTICULARS	CURRENT YEAR				PREVIOUS YEAR			
	PLAN	NON- PLAN	USER EXPENSES	TOTAL	PLAN	NON- PLAN	USER EXPENSES	TOTAL
a) Laboratory expenses	-	-	-	-	-	-	-	-
b) Field work/ Participation	-	-	-	-	-	-	-	-
c) Seminar/ Workshop	-	-	-	-	-	-	-	-
d) Payment to visiting faculty	-	-	-	-	-	-	-	-
e) Examination	-	-	-	-	-	-	-	-
f) Student Welfare expenses	-	-	982,000.00	982,000.00	-	-	1,358,637.00	1,358,637.00
g) Admission expenses	-	-	-	-	-	-	-	-
MBA Admission	-	-	372,406.00	372,406.00	-	-	515,227.00	515,227.00
M.Tech/ Ph.D Admission	-	-	722,290.00	722,290.00	-	-	-	-
h) Convocation expenses	-	-	-	-	-	-	-	-
Convocation expenses	-	383,573.00	-	383,573.00	-	121,017.00	-	121,017.00
i) Publications	-	-	-	-	-	-	-	-
j) Stipend/ means-cum-merit scholarship	-	-	-	-	-	-	-	-
Stipend P.G.	106,093,716.00	-	-	106,093,716.00	60,595,136.00	-	-	60,595,136.00
Stipend Ph.D	70,823,612.00	-	-	70,823,612.00	31,921,668.00	-	-	31,921,668.00
Scholarship	481,000.00	-	-	481,000.00	-	-	813,000.00	813,000.00
k) Subscription Expenses	-	-	-	-	-	-	-	-
l) Others (specify)	-	-	-	-	-	-	-	-
Cost of Books & Teaching Material	-	-	-	23,998.00	-	-	-	-

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Preparation of Identity Card	-	-	-	-	-	-	25,050.00	25,050.00
Refund of Excess Fees	-	-	-	2,607,509.00	-	-	8,346,608.00	8,346,608.00
Student Club/SAC	-	-	2,979,981.13	2,979,981.13	-	-	6,937,309.00	6,937,309.00
Registration Fees	-	-	-	-	-	-	131,000.00	131,000.00
TOTAL	177,398,328.00	383,573.00	7,688,184.13	185,470,085.13	92,516,804.00	121,017.00	18,126,831.00	110,764,652.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 17 – ADMINISTRATIVE AND GENERAL EXPENSES

(Amount-Rs)

PARTICULARS	CURRENT YEAR				PREVIOUS YEAR			
	PLAN	NON- PLAN	USER PAYMENT	TOTAL	PLAN	NON- PLAN	USER PAYMENT	TOTAL
A. Infrastructure								
a) Electricity and power		-						
Colony		-	1,884,900.00	1,884,900.00	-	-	1,714,409.00	1,714,409.00
Hostel		-	13,269,563.00	13,269,563.00	-	-	17,973,597.00	17,973,597.00
Institute		64,468,573.00	-	64,468,573.00	-	39,038,194.00	-	39,038,194.00
b) Water charges		-	-	-	-	-	-	-
c) Insurance		-	-	-	-	-	-	-
d) Rent, Rates and Taxes (including property tax)		-	-	-				
Rent & Taxes - Hostel and Colony		18,205.00		18,205.00	-	2,608,318.00	-	2,608,318.00
Water Tax		-	-	-	-	2,963,998.00	-	2,963,998.00
B. Communication								
e) Postage & telegram		171,703.00	-	171,703.00	-	123,083.00	-	123,083.00
f) Telephone and Internet Charges		-	-	-	-	-	-	-

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Telephone Expenses		3,488,459.00		3,488,459.00	-	2,315,107.00	-	2,315,107.00
Rental Charges of Internet Bandwidth (Internet Charges)				-	-	6,006,876.00	-	6,006,876.00
C. Others				-				-
g) Printing and Stationary		779,150.00		779,150.00	-	1,261,051.00	-	1,261,051.00
h) Traveling and Conveyance Expenses		2,852,500.00		2,852,500.00	-	1,742,697.00	-	1,742,697.00
j) Hospitality				-	-	36,267.00	-	36,267.00
j) Auditors Remuneration								
Audit Fees AGUP		1,893,475.00		1,893,475.00	-	-	-	-
Chartered Accountant Fees		207,000.00		207,000.00	-	185,424.00	-	185,424.00
k) Professional Charges				-	-	-	-	-
l) Advertisement and Publicity				-				
Advertisement		1,308,018.00		1,308,018.00	-	5,890,126.00	-	5,890,126.00
m) Magazines & Journals				-				
Library & E-Journals	-			-	-	-	17,120,922.75	17,120,922.75
Magazine Charges			6,155.00	6,155.00	-	-	1,064,446.00	1,064,446.00
n) Others (specify)								
Legal Expenses		1,116,519.00		1,116,519.00	-	1,064,113.00	-	1,064,113.00
Library Newspaper & Magazine		7,448.00		7,448.00	-	26,057.00	-	26,057.00
Library Operating Cost (incl TLB)		343,648.00		343,648.00	-	362,858.00	-	362,858.00
Liveries to Staff		116,055.00		116,055.00	-	207,400.00	-	207,400.00
ME/ Ph.D/ M.Sc. Admission Form				-	-	-	200,000.00	200,000.00
Utensil Charges			124,450.00	124,450.00	-	-	389,190.00	389,190.00
Miscellaneous Contingencies		1,861,175.00		1,861,175.00	-	2,112,787.00	-	2,112,787.00
Misc. Expenses		1,139,986.00	611,525.00	1,751,511.00	-	945,008.07	-	945,008.07
Research Grant	806,441.00			806,441.00	505,924.00	-	-	505,924.00
Security Charges		28,488,741.00		28,488,741.00	-	27,004,467.00	-	27,004,467.00

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Recreation Club Teaching & Non Teaching		100,000.00	-	100,000.00	-	-	-	-
Anti Ragging Squad		693,583.00	-	693,583.00	-	949,066.00	-	949,066.00
Development Charges		-	23,063.00	23,063.00	-	-	-	-
Training for Faculty Staff		24,500.00		24,500.00	-	79,759.00	-	79,759.00
Executive Development Centre		-	442,049.00	442,049.00	-		490,794.00	490,794.00
Medical Reimbursement		4,048,993.00		4,048,993.00	-	4,503,324.00	-	4,503,324.00
Medicine including Doctors visit Fees		2,534,568.00	-	2,534,568.00	-	1,640,030.00	-	1,640,030.00
Higher Qualification Incentive		8,000.00	-	8,000.00	-	-	-	-
Science City Salary		-	17,250.00	17,250.00	-	-	18,975.00	18,975.00
NIT Transit House Contribution	250,000.00	-		250,000.00	300,000.00	-	-	300,000.00
B.O.G & Meetings		816,063.00		816,063.00	-	357,987.00	-	357,987.00
Seminar & Conference		66,810.00		66,810.00	-	196,235.00	-	196,235.00
Application fees for appointment		-	617,844.00	617,844.00				-
VAT		-	-	-	-	-	4,342.00	4,342.00
o) Purchase/Consumables (As per Annexure H)		8,075,532.00	-	8,075,532.00	-	8,823,211.00	-	8,823,211.00
TOTAL	1,056,441.00	124,628,704.00	16,996,799.00	142,681,944.00	805,924.00	110,443,443.07	38,976,675.75	150,226,042.82

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

ANNEXURE H OF SCH 17

DOC/CONSUMABLES/ACADEMIC DEPARTMENTS AND CENTERS

(Amount in Rs.)

Particulars	Current Year 2015-16	Previous Year 2014-15
Purchases - Consumables-(U.G.&P.G.)		
Applied Mechanics Department	572,863.00	694,456.00
Biotech Department	544,867.00	429,896.00
Chemistry Department	313,407.00	-

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Civil Engineering Department	489,425.00	618,922.00
Computer Science Department	848,320.00	839,072.00
Electronics and Communication Engg Deptt	348,319.00	798,241.00
Electrical Engineering Department	523,384.00	695,337.00
GIS Cell	211,170.00	269,393.00
Humanities Department	239,924.00	370,388.00
Computer Centre	291,025.00	-
Maths Department	219,612.00	208,092.00
Mechanical Engineering Department	1,201,289.00	1,330,797.00
SMS/MBA Operating Cost	441,570.00	833,160.00
Physics Department	66,343.00	176,922.00
Training & Placement	290,292.00	437,406.00
Workshop - Mechanical Department	110,227.00	257,604.00
Chemical - Engineering Department	387,837.00	740,252.00
Centre for Interdisciplinary Research	820,916.00	123,273.00
Raw Material Lab Fee	70,716.00	-
P G Operating Cost	84,026.00	-
TOTAL	8,075,532.00	8,823,211.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 18 – TRANSPORTATION EXPENSES

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR			PREVIOUS YEAR		
	PLAN	NON- PLAN	TOTAL	PLAN	NON- PLAN	TOTAL
-						
1. Vehicles (owned by educational institution)						
a) Running expenses	-	-	-	-	-	-

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b) Maintenance of Vehicle	-	1,105,491.00	,105,491.00	-	1,240,275.00	1,240,275.00
c) Insurance expenses	-		-	-	-	-
2. Vehicles taken on rent/lease	-	-	-	-	-	-
a) Rent/lease expenses						-
3. Vehicle(Taxi) Hiring Expenses						
TOTAL	-	1,105,491.00	1,105,491.00	-	1,240,275.00	1,240,275.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 19 – REPAIRS & MAINTENANCE

(Amount-Rs)

PARTICULARS	CURRENT YEAR			PREVIOUS YEAR		
	PLAN	NON- PLAN	TOTAL	PLAN	NON- PLAN	TOTAL
-						
a) Building						
Renovation of Building Structure	5,163,854.00		5,163,854.00	67,122,771.00	-	67,122,771.00
b) Furniture & Fixture			-			-
Maintenance of Furniture			-	66,300.00		66,300.00
c) Plant & Machinery			-	-	-	-
d) Office Equipments						
Maintenance of Computer & Equipment	3,139,504.00		3,139,504.00	2,135,822.00	-	2,135,822.00
General Utility Equipment	1,992,342.00		1,992,342.00	10,493,406.00	-	10,493,406.00
e) Computers			-	-	-	-
f) Laboratory & Scientific Equipment			-	-	-	-
g) Audio Visual Equipment			-	-	-	-
h) Cleaning Material & Services			-	-	-	-
i) Book binding charges			-	-	-	-
j) Gardening Expenses						

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Maintenance Lawns & Gardens		179,639.00	179,639.00	-	45,460.00	45,460.00
Landscaping and gardening	37,630.00		37,630.00	102,775.00	-	102,775.00
k) Estate Maintenance			-	-	-	-
l) Others (specify)						
Renovation of Electric System & Facilities	2,424,517.00		2,424,517.00	4,473,594.00	-	4,473,594.00
TOTAL	12,757,847.00	179,639.00	12,937,486.00	84,394,668.00	45,460.00	84,440,128.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 20 – FINANCE COSTS

(Amount-Rs)

PARTICULARS	CURRENT YEAR				PREVIOUS YEAR			
	PLAN	NON- PLAN	USER EXPENSES	TOTAL	PLAN	NON- PLAN	USER EXPENSES	TOTAL
-								
a) Interest on Fixed loans				-	-	-	-	-
b) Interest on other loans				-	-	-	-	-
Industrial Estate			301,894.00	301,894.00			301,894.00	301,894.00
PDTC			27,062.00	27,062.00			27,062.00	27,062.00
c) Bank Charges			42,501.00	42,501.00	-	-	21,338.00	21,338.00
d) Others (Specify)				-	-	-	-	-
TOTAL	-	-	371,457.00	371,457.00	-	-	350,294.00	350,294.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 21 – OTHER EXPENSES

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR			PREVIOUS YEAR		
	PLAN	NON- PLAN	TOTAL	PLAN	NON- PLAN	TOTAL
a) Provision for Bad and Doubtful Debts/Advances			-	-	-	-
b) Irrecoverable Balances Written-off			-	-	-	-
c) Grants/Subsidiaries to other institutions/organizations			-	-	-	-
d) Others (specify)			-	-	-	-
TOTAL	-	-	-	-	-	-

SCHEDULE 22 – PRIOR PERIOD EXPENSES

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR				PREVIOUS YEAR			
	PLAN	NON- PLAN	USER PAYMENT	TOTAL	PLAN	NON- PLAN	USER PAYMENT	TOTAL
1) Establishment Expenses								
Cumulative Professional Development Allowance				-	-	987,800.00	-	987,800.00
2) Academic Expenses				-				-
Examination fees				-	-	-	30,275,242.00	30,275,242.00
3) Administrative Expenses		1,057,912.00		1,057,912.00				-
Income Tax Demand Earlier Years				-			1,528,969.00	1,528,969.00
4) Transportation Expenses				-	-	-	-	-
5) Repair & Maintenance				-	-	-	-	-
6) Other Expenses			1,153,740.00	1,153,740.00	-	-	-	-
Interest on FDR			34,244,546.00	34,244,546.00	-	125.00	-	125.00
TOTAL	-	1,057,912.00	35,398,286.00	36,456,198.00	-	987,925.00	31,804,211.00	32,792,136.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD
SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR 2015-2016

SCHEDULE 23 - SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS

ACCOUNTING CONVENTIONS :

The financial statements are prepared on the basis of historical conventions, unless and otherwise stated and on accrual basis of accounting, except receipt of fees from students which is accounted for on cash basis.

FIXED ASSETS:

Fixed assets are included at cost of acquisition inclusive of inward freight, duties and taxes, incidental and direct expenses related to the acquisition. In respect of projects involving construction, related pre operative expenses form part of the value of assets capitalized.

Fixed assets received by way of non - monetary grants (other than towards the corpus) are capitalized at value stated, by corresponding credit to capital reserve/fund.

Fixed assets acquired by Institute /Project/ Subsidiaries Fund are capitalized and disclosed separately.

Fixed assets are valued at cost less accumulated depreciation.

INTANGIBLE ASSETS:

E-Journals and Computer Software are grouped under Intangible asset

E-Journals are separated from library books in view of the limited benefit that could be derived from the on-line access provided. E-journals are not in a tangible form, but temporarily capitalized and in view of the magnitude of expenditure and the benefits derived in terms of perpetual knowledge acquired by the Academic and Research Staff;

DEPRECIATION:

Depreciation on fixed assets has been charged on Straight Line method at rates as prescribed in the Uniform Accounting Standard for all education institutions under MHRD. Depreciation is provided for the whole year on additions during the year.

Depreciation on fixed assets has been charged to income and expenditure account by corresponding credit to income & expenditure statement from capital fund (for assets created before 01.04.2006) and from deferred income (for assets created w.e.f. 01.04.2006).

Depreciation on fixed assets created out of subsidiary funds has been charged during the year by the Institute on Straight Line method at rates as prescribed in the Uniform Accounting Standard for all education institutions under MHRD in cases where subsidiaries have not charged depreciation.

GOVERNMENT GRANTS/ SUBSIDIES:

Government Grants relating to depreciable fixed assets has been taken to deferred government grants account from the year 2006-07 to be recognized in the income and expenditure statement on a systematic and rational basis over the useful life of the asset.

Government grants and subsidies are accounted on receipt basis and/or where there is a reasonable assurance that the grant will be received. Where a section for release of grant pertaining to the financial year is received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as recoverable from the Grantor.

Government grants not utilized during the year is shown as unspent balance of funds under current liabilities to be returned / adjusted in the corresponding next year grants to be received.

Government grants excess utilized during the year has been shown as current assets with corresponding credit to income & expenditure account, to be recoverable / adjusted from the corresponding next year grant to be received.

RETIREMENT BENEFITS:

Pension, Gratuity and Leave Encashment payable on death / retirement of employees is not based on actuarial valuation.

CURRENT ASSETS , LOANS AND ADVANCES:

In the opinion of management the current assets, loans and advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the balance sheet.

EARMARKED/ENDOWMENT FUNDS:

Long Term Funds are earmarked for specific purposes. Each of the funds has a separate bank account. Those with large balances also have investments in Term Deposits with banks. The income from investments are credited to the respective funds. The expenditure and advances are debited to the fund.

TAXATION:

Institute being autonomous body exempt from income tax hence no provision for income tax has been made.

Corresponding figure of the previous year have been rearranged/ regrouped wherever necessary.

Figures in brackets () represents (-) negative figures.

NOTES TO ACCOUNTS:

Financial Statements from the year 2014-2015 is prepared on the basis of New Format of Accounts for CEI's as provided by MHRD-GOI. Necessary annexures/ groupings to the schedules has been added in order to give a clear understanding of financial statements. Necessary changes in the schedules / groupings as compared to previous year has been made in order to implement New Format of Accounts

Excess of Income over Expenditure of subsidiaries is being shown separately under the Fund Account of subsidiaries w.e.f year 2006-07. Excess of Income over Expenditure Account of subsidiaries before 2006-07 has been shown under the fund account of institute.

Amount received directly in bank through RTGS/NEFT for which source / head of account could not be ascertained has been transferred to Miscellaneous Receipt Transfer account- Liability

Caution Money received by the Institute has been considered as current liability being repayable on demand

Income and Expense related to previous years where ever occurred due to reconciliation of entries has been taken to Prior Period Income/Expense.

Interest accrued and TDS deducted thereon for subsidiaries has been taken to the extent such information's are made available and provided by the subsidiaries.

SCHEDULE 24 - CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

CONTINGENT LIABILITIES

As on 31.03.2016 Court Cases filed against the Institution, by former/ present employees, tenants and contractors and arbitration cases with contractors, were pending for decisions. The suits filed by employees were establishment -related viz promotions, increments, pay scales, termination etc. The quantum of the claims is not ascertainable. The claim in the suits and arbitration cases by contractors amounted to Rs. 1379.66 Lakhs

Letters of credit established by the Bank on behalf of the Institution and outstanding on 31.03.2016 - Rs 34.27 Lakhs

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

ANNEXURE (i) OF SCH 1 (A-1)

INCOME FROM SUBSIDIARY FUNDS

(Amount in Rs.)

Particulars	Current Year 2015-2016		Previous Year 2014-15
1) Interest Received			
a) On Term Deposits with Scheduled Banks:			
Alumni Association	478,564.00		649,552.00
G.K. Agarwal Trust	20,762.00		21,661.00
Industrial Estate	3,889,086.00		2,290,561.00
Industrial Estate - Prior period	-		1,736,352.00
Project Account	2,445,298.00		3,026,550.00
Research & Consultancy Cell	12,549,496.00		17,294,434.00
SNFCE	840,195.00		776,148.00
Sponsored Gold Medal	25,688.00		26,144.00
Student Welfare Fund	1,697,641.00		1,688,145.00
Student Welfare Fund- Prior Period		21,946,730.00	-
b) On Savings Account with Scheduled Bank:			
Alumni Association	188,382.00		118,644.00
Dean Academic Affairs	1,646,118.00		434,908.00
G.K. Agarwal Trust	8,851.00		7,673.00

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Industrial Estate	151,571.00		130,109.00
Nodal Centre (NTMIS)	3,301.00		3,173.00
P.D.T.C.	7,523.00		7,231.00
Project Account	223,798.00		447,079.00
Research & Consultancy Cell	620,822.00		512,238.00
SNFCE	369,310.00		197,170.00
Sponsored Gold Medal	2,999.00		1,868.00
Student Welfare Fund	243,263.00		190,511.00
TEQIP - II	1,407,077.00		680,181.00
Text Book Lending Bank	19,706.00	4,892,721.00	18,424.00
2) Revenue Income:			
Alumni Association	2,915,680.16		1,996,823.00
Dean Academic Affairs	10,122.00		43,695,694.00
Industrial Estate	2,165,818.00		2,128,268.50
Project Account	1,558,027.00		568,436.00
Research & Consultancy Cell	2,759,989.00		4,438,253.00
SNFCE	7,247,291.00		-
Student Welfare Fund	1,390,580.00		2,096,863.00
TEQIP II	25,000,000.00		70,000,000.00
Text Book Lending Bank	39,414.00	43,086,921.16	44,384.00
TOTAL		69,926,372.16	155,227,477.50

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (ii) OF SCH 1 (A-1)EXPENDITURE OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2015-16	Previous Year 2014-15
Alumni Association	2,222,452.00	1,750,850.75
Dean Academic Affairs	9,942,898.00	10,915,423.00
Industrial Estate	661,082.00	795,610.00
Nodal Centre (NTMIS)	6,000.00	-
Project Account	380,018.00	348,666.00
Research & Consultancy Cell	1,682,376.00	1,356,892.00
School of Non Formal Continuing Education	977,039.00	596,442.00
Student Welfare Fund	1,985,139.00	953,563.00
TEQIP - II	20,948,689.05	34,163,245.00
Text Book Lending Bank	23,328.00	26,280.00
TOTAL	38,829,021.05	50,906,971.75

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (iii) OF SCH 1 (A-1)DEPRECIATION OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2015-16	Previous Year 2014-15
Alumni Association	97,097.00	-
Dean Academic Affairs	57,236.00	-
Industrial Estate	11,674.00	-
Nodal Centre (NTMIS)	21,741.00	-

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Project Account	4,135,782.00	-
Research & Consultancy Cell	3,305,103.00	-
School of Non Formal Continuing Education	4,968.00	-
Student Welfare Fund	27,922.00	-
TEQIP - II	1,983,774.00	-
TOTAL	9,645,297.00	-

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2016

(Amount in Rs.)

RECEIPTS	CURRENT YEAR		PREVIOUS YEAR	
<u>I. OPENING BALANCE:</u>				
<u>Cash in Hand</u>		9,995.00		
<u>Bank Account:</u>				
State Bank of India - Fees Account	11,300,000.00		302,448,897.00	
State Bank of India - Power Jyoti	5,531.45		3,922,679.22	
State Bank of India - New Fees Account	114,190,645.00	125,496,176.45		306,371,576.22
Savings Account & Autosweep:				
<u>Vijaya Bank</u>		66,688,925.37		95,939,685.61
<u>In Fixed Deposits with Banks:</u>				
Institute				
Bank of Baroda	94,988,809.00		53,048,536.00	
State Bank of India	279,367,320.00		90,000,000.00	
<u>Vijaya Bank</u>	-		0	
State Bank of India	1,727,804.00		1,727,804.00	
<u>Vijaya Bank</u>	8,500,000.00	384,583,933.00	8,500,000.00	153,276,340.00
<u>Earmarked and Endowment Fund:</u>				

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Contributory Provident Fund:				
Contributory Provident Fund (SB)	1,683,818.12		1,174,854.00	
Contributory Provident Fund FDR	7,000,000.00		7,000,000.00	
General Provident Fund:				
General Provident Fund - with Treasury	1,007,349.00		1,007,349.00	
General Provident Fund - with Vijaya Bank (FDR)	154,996,556.00		154,996,556.00	
General Provident Fund - with Bank of Baroda (FDR)	26,249,816.00		26,249,816.00	
General Provident Fund - with Vijaya Bank (SB)	9,804,734.00		(1,367,939.00)	
Corpus Fund (SBI-SB)	3,836,992.00		3,690,375.00	
Development/Renewal Fund (SBI-SB)	639,690.00		615,246.00	
Maintenance Fund (SBI-SB)	639,690.00		615,246.00	
Staff Development Fund (SBI-SB)	1,279,149.00		1,230,271.00	
New Pension Scheme:				
Vijaya Bank Saving Account	(33,701,536.00)		4,142,509.00	
Vijaya Bank Autosweep FDR	54,633,247.00	228,069,505.12	54,633,247.00	253,987,530.00
In Subsidiary Funds:				
Admission Committee	704,312.00		704,312.00	
Alumni Association				
Savings Account	3,579,763.50		2,337,754.50	
Fixed Deposits	5,341,505.00		5,152,560.00	
Dean Academic Affairs	44,614,721.50		11,487,242.50	
G.K. Agarwal Trust :				
Savings Account:	209,620.00		180,286.00	
Fixed Deposits	300,000.00		300,000.00	
Industrial Estate				
Current Account	6,064,447.26		2,402,184.26	
Fixed Deposits	30,066,016.00		27,300,000.00	

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Kitchen Project	6,272.00		6,272.00	
Nodal Centre	81,700.00		78,527.00	
P.D.T.C.	186,218.00		178,987.00	
Project Account				
Savings & Autosweep Account	17,419,181.78		9,364,912.78	
Fixed Deposits	36,436,524.00		33,409,974.00	
Research & Consultancy Cell :				
Savings & AutoSweep Account	6,389,793.55		10,576,963.55	
Fixed Deposits	205,114,936.00		177,820,502.00	
School of Non Formal Continuing Education :				
Current Account	5,028,252.00		4,763,013.00	
Fixed Deposits	9,802,189.00		9,800,000.00	
Sponsored Gold Medal				
Savings Account	65,873.00		37,861.00	
Fixed Deposits	388,488.00		388,488.00	
Student Welfare Fund :				
Savings Account	6,190,808.00		3,255,072.00	
Fixed Deposits	12,582,050.00		12,582,050.00	
TEQIP - II	39,459,519.00		4,278,311.00	
Text Book Lending Bank	481,083.00	430,513,272.59	444,555.00	316,849,827.59
II. GRANT RECEIVED:				
a) From Government of India				
Non Plan (Recurring) Grant	520,000,000.00		300,000,000.00	
Plan (Non Recurring) Grant	620,398,000.00	1,140,398,000.00	420,000,000.00	720,000,000.00
III. ACADEMIC RECEIPTS:				
Tuition Fees:				
Tuition Fees B.Tech	159,795,651.00		138,145,000.00	

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Tuition Fees MBA	1,944,000.00		2,952,000.00
Tuition Fees MCA	12,460,000.00		12,215,000.00
Tuition Fees M.Tech	42,875,000.00		39,970,000.00
Tuition Fees Ph.D	6,300,000.00		5,775,000.00
Tuition Fees M.Sc.	472,500.00		285,000.00
Tuition Fees MSW	142,500.00		105,000.00
Registration fee:			
Registration Fees M.Tech	201,800.00		193,500.00
Registration Fees MBA	19,000.00		43,600.00
Registration Fees MCA	60,600.00		59,700.00
Registration Fees PhD	84,000.00		77,000.00
Registration Fees MSW	2,500.00		1,400.00
Registration Fees M.Sc.	7,300.00		3,800.00
Registration Fees B.Tech	809,500.00		739,500.00
Day Fees B.Tech	1,209,800.00		1,104,800.00
Day Fees M.Tech	357,050.00		342,525.00
Day Fees MBA	33,250.00		56,600.00
Day Fees MCA	105,900.00		104,325.00
Day Fees Ph.D	232,850.00		222,350.00
Day Fees M.Sc.	10,950.00		5,700.00
Day Fees MSW	3,750.00		2,100.00
Enrolment Fee	157,200.00		180,700.00
Library Admission fee	3,320,016.00		3,284,016.00
Laboratory fee:			
Lab Fees B.Tech	2,225,750.00		2,050,750.00
Lab Fees M.Tech	562,000.00		541,250.00
Lab Fees MBA	47,500.00		79,000.00

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Lab Fees MCA	156,500.00		154,250.00	
Lab Fees Ph.D	394,000.00		376,500.00	
Lab Fees M.Sc.	18,250.00		9,500.00	
Lab Fees MSW	6,250.00		3,500.00	
Others Fees				
Syllabus fee	518,400.00		504,000.00	
Annual Examination fee				
Identity card fee	164,600.00		161,000.00	
Medical fee	2,956,000.00		2,920,000.00	
Transportation fee:				
Bus Charges from Student	898,200.00		308,000.00	
Private Use of Vehicle	-		1,237,915.00	
Development Fees	1,193,450.00		1,157,450.00	
Magazine Fees	589,100.00		574,700.00	
Placement Charges	3,327,616.00		2,265,590.00	
Student Welfare Fees	618,490.00	244,281,223.00	604,090.00	218,816,111.00
<u>IV. RECEIPTS AGAINST EARMARKED/ ENDOWMENT FUNDS</u>				
<u>Contributory Provident Fund:</u>				
Subscription	470,240.00		456,512.12	
<u>General Provident Fund:</u>				
Subscription	34,405,658.00		47,122,451.00	
<u>New Pension Scheme</u>				
Subscription and Loan Recovery	20,130,463.00		18,310,772.00	
<u>Corpus Fund</u>				
Contribution from TEQIP-II and R & C	150,187,500.00		-	
<u>Development/ Renewal Fund</u>				

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Contribution from TEQIP-II	187,500.00		-	
Maintenance Fund				
Contribution from TEQIP-II	187,500.00		-	
Staff Development Fund				
Contribution from TEQIP-II	187,500.00	205,756,361.00	-	65,889,735.12
VI. RECEIPTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIP:				
Institute				
Conference ICPCES - 2010-11 EED	-		70,000.00	
U.G.C.	1,673,871.00			
QIP Stipend & Contingency	-		-	
Outside Scholarship	1,929,308.00		-	
UGC Fellowship	25,395.00		4,472,049.00	
Fellowship (CSIR)			424,066.00	
AIEEE Scholarship	1,400,000.00		1,890,000.00	
Raman Fellowship	-		2,290,928.00	
Board of Apprenticeship Training	92,003.00			
ICCCT (Dr. A. K. Misra)	344,820.00			
Subsidiaries				
Project Account :				
Project (Running)	30,917,765.00		32,648,651.00	
Project (Deferred Grant)	4,670,792.00	41,053,954.00	6,076,761.00	47,872,455.00
VII. INCOME ON INVESTMENT FROM				
a) EARMARKED/ ENDOWMENT FUND:				
Contributory Provident Fund:				
Interest on Contributory Provident Fund	2,408,073.00		52,452.00	
General Provident Fund:				

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Interest on General Provident Fund	32,658,265.00		1,915,738.00	
Corpus Fund				
Revenue Income	802,295.00		146,617.00	
Development/Renewal Fund				
Revenue Income	24,457.00		24,444.00	
Maintenance Fund				
Revenue Income	24,457.00		24,444.00	
Staff Development Fund				
Revenue Income	48,653.00		48,878.00	
New Pension Scheme				
Interest on autosweep	1,235,116.00		4,653,604.00	
Interest on saving bank	242,556.00		429,181.00	
Subsidiary Funds				
Alumni Association	2,915,680.16		1,996,823.00	
Dean Academic Affairs	10,122.00		43,695,694.00	
Industrial Estate	2,165,818.00		2,128,268.50	
Project Account	1,558,027.00		568,436.00	
Research & Consultancy Cell	2,759,989.00		4,438,253.00	
SNFCE	7,247,291.00		-	
Student Welfare Fund	1,390,580.00		2,096,863.00	
TEQIP	25,000,000.00		70,000,000.00	
Text Book Lending Bank	39,414.00	80,530,793.16	44,384.00	132,264,079.50
VIII. INTEREST RECEIVED ON:				
Term Deposits:				
Main Institute	26,063,850.00		52,482,117.00	
Rites- Gurgaon	2,089,698.00		8,216,857.00	
Subsidiary Funds:				

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Alumni Association	478,564.00		649,552.00	
G. K. Agarwal Trust	20,762.00		21,661.00	
Industrial Estate	3,316,755.00		2,290,561.00	
Industrial Estate - Prior period	-		1,736,352.00	
Project Account	2,445,298.00		3,026,550.00	
Research & Consultancy Cell	12,549,496.00		17,294,434.00	
School of Non Formal Continuing Education	840,195.00		776,148.00	
Sponsored Gold Medal	25,688.00		26,144.00	
Student Welfare Fund	1,697,641.00		1,688,145.00	
Caution money				
Savings Bank & Autosweep Accounts:				
Main Institute	9,558,629.00		11,672,275.00	
Subsidiary Funds:				
Alumni Association	188,382.00		118,644.00	
Dean Academic Affairs	1,646,118.00		434,908.00	
G. K. Agarwal Trust	8,851.00		7,673.00	
Industrial Estate	151,571.00		130,109.00	
Nodal Centre (NTMIS)	3,301.00		3,173.00	
P.D.T.C.	7,523.00		7,231.00	
Project Account	223,798.00		447,079.00	
Research & Consultancy Cell	620,822.00		512,238.00	
School of Non Formal Continuing Education	369,310.00		197,170.00	
Sponsored Gold Medal	2,999.00		1,868.00	
Student Welfare Fund	243,263.00		190,511.00	
TEQIP -II	1,407,077.00		680,181.00	
Text Book Lending Bank	19,706.00		18,424.00	
On loan to Employees:				

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Interest on Computer Loan Recovery	4,015.00		-	
Interest on House Building Loan Recovery	45,500.00		-	
Interest on Motorcycle Loan Recovery	13,440.00	64,042,252.00	-	102,630,005.00
IX. INVESTMENT ENCASHED				
XI. OTHER INCOME (INCLUDING PRIOR PERIOD INCOME)				
1. Hostel Room Rent				
Hostel Fan Charges	1,759,250.00		1,737,650.00	
Hostel Replacement Charges	-		1,129,531.00	
Hostel Room Rent	4,474,000.00		4,420,000.00	
Hostel Utensils	1,061,400.00		1,047,000.00	
Shop/Canteen Rent & Electric Charges	355,820.00		231,317.00	
Rent from Staff Quarter	706,657.00		2,159,210.00	
Building Rent	224,575.75		-	
Income from Guest House	1,113,576.00		-	
2. Electricity & water charges				
Hostel Electricity Charges	8,886,000.25		8,778,000.00	
Water/Electricity Charges from Contractor & Staff	2,226,693.00		2,964,806.00	
3. Others				
Computer Stationery Charges	2,979,750.00		2,502,000.00	
E-Mail Charges	5,084,700.00		5,023,500.00	
NRI Fees	110,771,712.56		68,200,840.79	
Recreation Fees	5,486,000.00		5,433,000.00	
Student study tour	142,500.00		226,500.00	
Student activity fees	-		91,200.00	
Reference material	475,000.00		795,000.00	
Verification of Degree/ Migration/ Marksheet	434,280.00		306,850.00	
Alumni Fees	260,670.00		554,700.00	

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CMDR	24,775.00		-	
Application Fees for Appointment	45,000.00		1,823,918.60	
Lease rent Received	-		136,816.00	
M.Tech/ Ph.D/ M.Sc. Admission Form	-		59,400.00	
Miscellaneous Receipts Institute	1,320,331.27		632,910.00	
Sale of Tender Form	54,800.00		326,805.00	
Vehicle Charges	12,187.00		-	
Library Misc Receipt	104,350.00		-	
Seminar & Conference	61,272.00		-	
Student Activity Centre	-		70,000.00	
Retention of Service Charges	636,917.00		204,928.00	
Seminar Registration Fees	-		3,701.00	
RTI Fees	11,165.00		-	
NIMCET fees	-	148,713,381.83		108,859,583.39
Interest Earned on TDR-Prior Period		-		17,798,656.00
Academic Receipts- Prior Period		47,000.40		-
LC Debit on R&C Cell	2,106,318.00	2,106,318.00		
XII. DEPOSITS AND ADVANCES				
Advance adjustment to Staff	17,611,486.13		20,466,739.00	
Advance adjustment to Imprest	264,655.00		240,060.00	
Advance adjustment to Parties	4,833,371.00		14,473,625.00	
Institute-LC Debit on account R&C	-		-	
Recovery against Debts Outstanding of Industrial Estate			1,000,394.50	
CCB Fund	69,385.00			
NPS Payment	504,537.00			
Subsidiary-				
Subsidiary-Dean Academics - Advances	30,000.00		45,950.00	

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Subsidiary-Project Account - Advance & Imprest	320,770.00		280,731.00	
R&C Cell - Advances & Imprest	365,176.00		2,031,674.00	
R&C Cell - Receivable from Project Account	678,700.00		-	
SNFCE - Advance & Imprest	140,240.00		5,310.00	
TEQIP - Advances Recoverable	1,110,000.00		9,255,971.00	
Recoverable Depots- Institute- G.I. for Students	2,317,156.64		1,586,040.00	
Recoverable Depots- Institute-Group Insurance Scheme	1,159,550.00	29,405,026.77	1,230,871.00	50,617,365.50
<u>XIII. MISCELLANEOUS RECEIPTS INCLUDING STATUTORY RECEIPTS</u>				
Income Tax	37,092,918.00		35,800,773.00	
Sales Tax	556,062.00		4,837,562.00	
Employees contribution to C.P.F	495,240.00		456,512.00	
Employees contribution to N.P.S	20,289,728.00		18,313,772.00	
GPF- contribution to employees	33,467,894.00		31,470,029.00	
<u>SUBSIDIARIES</u>				
Project Account - Income Tax	85,751.00		66,361.00	
R&C Cell - Income Tax	1,417,273.00		2,252,422.00	
R&C Cell - Service Tax	3,214,912.00			
SNFCE - Income Tax	106,235.00	96,726,013.00	101,645.00	93,299,076.00
<u>XIV. ANY OTHER RECEIPTS</u>				
NIMSET Scheme	-		150,000.00	
ICCCT Seed	-		50,000.00	
TEQUIP II STIPEND	9,400,000.00		5,000,000.00	
Prime Minister Relief Fund	165,675.00		-	
NMEICT Scheme	122,993.00		-	
Cancelled Cheques	2,952,273.00		2,142,829.00	
DST New Delhi	6,403,736.00		4,017,877.00	
Examination Fees	15,403,538.00		19,423,944.00	

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Tuition Fees- M Tech (Part time)	-		1,519,526.00
Motor Cycle Loan Recovery	-		-
House and building recovery employees	280,760.00		327,000.00
World Environment Day	-		60,000.00
L.I.C.	798,824.00		893,830.80
Deity Programme	2,600,025.00		-
Other Liabilities (Misc. Receipt Transfer)	6,059,457.00		12,926,609.00
Employees contribution to khadi	-		9,477.00
Employees loan from SBI	504,492.00		504,492.00
Merit Scholarship	502,000.00		-
State Scholarship	41,658.00		1,405,673.00
Leave Salary Contri.(Deputation)	3,419,922.00		361,985.00
Revenue Stamp (Stamp Fees)	9,131.00		9,586.00
Teacher Association Subscription	-		70,500.00
Caution Money	3,144,000.00		3,587,470.00
Earnest Money/ Security Money	4,249,019.00		6,438,493.00
Project Account Dean R & C	-		1,986,451.00
Gain Project	2,992,000.00		-
TEQIP-II	-		3,293,709.00
TEQIP-II Patna	-		
LSDSS Project 2015	42,430.00		-
Project A/c	1,827,082.00		-
Salary Adhoc	1,005,040.00		-
Prayag Project	200,000.00		-
Union Donation	71,500.00		-
SUBSIDIARIES			
Project Account - Decrease in Current Asset	1,960,873.00		-

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Alumni Association - Amount Payable	916,600.00		572,200.00	
Dean Academics - Cancelled Cheques	121,065.00		-	
Industrial Estate - Expenses Payable	-		38,616.00	
Project Account - Accounting Charges Payable	20,000.00		5,000.00	
Project Account - Salary Payable	-		33,668.00	
Project Account - MNNIT	-		998,740.00	
Project Account - University of Allahabad	-		155,691.00	
R&C Cell - Expenses Payable	20,000.00		19,564.00	
SNFCE- C-Dac	-		507,840.00	
SNFCE- Cancelled Cheque	30,200.00		-	
Security Received (Industrial Estate)	-		8,986.00	
Project Account - Transferable amount to R&C Cell	-		1,061,000.00	
R&C Cell - Testing & Consultancy (Pending)	23,122,964.00	88,387,257.00	14,894,732.00	82,475,488.80
TOTAL		3,376,809,387.69		2,766,947,514.73

PAYMENTS	CURRENT YEAR		PREVIOUS YEAR	
I. EXPENSES				
a) Establishment Expenses				
a) Salaries and Wages (Refer Annexure G (1))	215,444,035.00		202,886,799.00	
b) Allowances and Bonus (Refer Annexure G (2))	203,387,602.00		195,455,353.00	
c) Contribution to Provident Fund	235,120.00		228,256.00	
d) Contribution to Other Fund (specify)				
Pension Contribution	124,764.00		124,764.00	
New Pension Scheme	10,123,210.00		8,290,973.00	
e) Staff Welfare Expenses	-		-	
f) Retirement and Terminal Benefits (Refer Annexure G (3))	107,688,065.00		90,300,592.00	
g) LTC facility	3,464,711.00		2,772,379.00	
h) Medical facility	-		-	

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i) Children Education Allowance	3,574,323.00		3,164,629.00	
j) Telephone Expense	3,265,312.00	547,307,142.00	2,325,235.00	505,548,980.00
b) Academic Expenses				
<u>Admission expenses</u>				
MBA Admission	372,406.00		515,227.00	
M.Tech/ Ph.D Admission	722,290.00		-	
<u>Convocation expenses</u>				
Convocation expenses	383,573.00		121,017.00	
<u>Stipend/means-cum-merit scholarship</u>				
Stipend P.G.	106,093,716.00		60,595,136.00	
Stipend Ph.D	70,823,612.00		31,921,668.00	
Scholarship	481,000.00		813,000.00	
<u>Others (specify)</u>				
Cost of Books & Teaching Material	23,998.00		-	
Preparation of Identity Card	-		25,050.00	
Refund of Excess Fees	2,607,509.00		8,346,608.00	
Student Welfare Expenses	982,000.00		1,358,637.00	
Student Club/Student Activity Centre	2,979,981.13		6,937,309.00	
Registration Fees	-		131,000.00	
Campus Interview	-	185,470,085.13	-	110,764,652.00
c) Administrative Expenses				
Infrastructure				
<u>Electricity and power</u>				
Colony	1,884,900.00		1,794,460.00	
Hostel	14,719,432.00		19,523,728.00	
Institute	58,320,715.00		42,438,194.00	
<u>Rent, Rates and Taxes (including property tax)</u>				

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Rent & Taxes - Hostel and Colony	18,205.00		2,608,318.00
Water Tax	-		2,963,998.00
Communication			
Postage & telegram	171,703.00		123,083.00
Telephone and Internet Charges			
Rental Charges of Internet Bandwidth (Internet Charges)	-		6,006,876.00
Others			
Printing and Stationary	779,150.00		1,261,051.00
Traveling and Conveyance Expenses	2,852,500.00		1,742,697.00
Hospitality	-		36,267.00
<u>Auditors Remuneration</u>			
Chartered Accountant Fees	205,200.00		160,000.00
Audit Fees AGUP	1,893,475.00		-
<u>Advertisement and Publicity</u>			
Advertisement UG	1,308,018.00		5,890,126.00
<u>Magazines & Journals</u>			
Library & E-Journals	-		-
Magazine Charges	6,155.00		1,064,446.00
<u>Others (specify)</u>			
Legal Expenses	1,116,519.00		1,064,113.00
Library Newspaper & Magazine	7,448.00		26,057.00
Library Operating Cost	343,648.00		362,858.00
Liveries to Staff	116,055.00		207,400.00
ME/ Ph.D/ M.Sc. Admission Form	-		200,000.00
Utensil Charges - Revenue	124,450.00		389,190.00
Miscellaneous Contingencies	1,861,175.00		2,112,787.00
Misc. Expenses	1,751,511.00		945,008.07

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Research Grant	806,441.00		505,924.00	
Security Charges	28,300,686.00		27,489,827.00	
Recreation Club Teaching & Non Teaching	100,000.00		-	
Anti Ragging Squad	693,583.00		949,066.00	
Development Charges	23,063.00		-	
Training for Faculty Staff	24,500.00		79,759.00	
Executive Development Centre	442,049.00		490,794.00	
Medical Reimbursement	4,048,993.00		4,503,324.00	
Medicine including Doctors visit Fees	2,534,568.00		1,640,030.00	
Higher Qualification Incentive	8,000.00		-	
Science City Salary	17,250.00		18,975.00	
NIT Transit House Contribution	250,000.00		300,000.00	
B.O.G & Meetings	816,063.00		357,987.00	
Seminar & Conference	66,810.00		196,235.00	
Application fees for appointment	617,844.00		-	
VAT	-		4,342.00	
Purchase/Consumables (As per Annexure H)	8,075,532.00	134,305,641.00	8,823,211.00	136,280,131.07
d) Transportation Expenses				
<u>Vehicles (owned by educational institution)</u>	-		-	
Repairs & maintenance		1,105,491.00		1,240,275.00
e) Repairs & Maintenance				
Building				
Renovation of Building Structure	5,163,854.00		67,122,771.00	
Furniture & Fixture				
Maintenance of Furniture	-		66,300.00	
Office Equipments				
Maintenance of Computer & Equipment	3,139,504.00		2,135,822.00	

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General Utility Equipment	1,992,342.00		10,493,406.00	
Maintenance Lawns & Gardens	179,639.00		45,460.00	
Landscaping and gardening	37,630.00		102,775.00	
Others (specify)				
Renovation of Electric System & Facilities	2,424,517.00	12,937,486.00	4,473,594.00	84,440,128.00
f) Prior Period Expenses				
Cumulative Professional Development Allowance	-		987,800.00	
Examination fees	-		30,275,242.00	
Misc Expenses	-		125.00	
Income Tax Demand of Earlier Years			1,528,969.00	
Administrative Expenses	205,277.00		-	32,792,136.00
Interest On TDR	34,244,546.00			
Other Expense	808,197.00	35,258,020.00		
II. PAYMENTS AGAINST EARNMARKED/ENDOWMENT FUNDS				
General Provident Fund:				
Loan & Final Payments	41,922,041.00		37,865,516.00	
New Pension Scheme:				
Loan & Final Payments	37,581,424.00		61,237,602.00	
Subsidiary Funds-Expenditure				
Alumni Association	2,222,452.00		1,750,850.75	
Dean Academic Affairs	9,942,898.00		10,915,423.00	
Industrial Estate	661,082.00		795,610.00	
Nodal Centre (NTMIS)	6,000.00		-	
Project Account	380,018.00		348,666.00	
Research & Consultancy Cell	1,682,376.00		1,356,892.00	
School of Non Formal Continuing Education	977,039.00		596,442.00	
Student Welfare Fund	1,985,139.00		953,563.00	

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TEQIP - II	20,948,689.05		34,163,245.00	
Text Book Lending Bank	23,328.00	118,332,486.05	26,280.00	150,010,089.75
III. PAYMENTS AGAINST SPONSORED PROJECTS/SCHEMES				
IV. PAYMENTS AGAINST SPONSORED FELLOWSHIPS/SCHOLARSHIPS				
Institute				
Conference ICPCES - 2010-11 EED	539,217.00		-	
U.G.C.	1,885,071.00		-	
QIP Stipend & Contingency	739,724.00		2,007,245.00	
QIP Poly technique	54,000.00		230,925.00	
UGC Fellowship	194,177.00		3,627,858.00	
Fellowship (CSIR)	38,045.00		402,466.00	
Board of Apprenticeship Training	320,608.00		103,598.00	
Raman Fellowship For Post Doctoral Studies	-		2,290,928.00	
AIEEE Scholarship	105,000.00		1,785,000.00	
Outside Scholarship	1,715,200.00		-	
Subsidiaries				
Project Account :				
Project (Running)	20,135,906.00	25,726,948.00	26480233	36,928,253.00
V. INVESTMENTS AND DEPOSITS MADE				
VI. TERM DEPOSITS WITH SCHEDULED BANKS				
VII. EXPENDITURE OF FIXED ASSETS AND CAPITAL WORK IN PROGRESS				
a) Fixed Assets				
1. Land	-		-	
2. Buildings	18,385,669.00		26,819,631.00	
3.Plant, machinery and equipment	79,759,466.00		140,949,950.00	

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4. Vehicles	-		-	
5. Furniture and fixtures	4,383,034.00		26,706,864.61	
6. Office equipment	1,180,622.00		1,896,470.00	
7. Computer peripherals	13,875,258.00		46,410,128.64	
8. Electric installations	1,518,658.00		757,757.00	
9. Library books	30,469.00		302,197.00	
10. Tube wells and water supply	-		-	
11. Other fixed assets	671,338.00		27,020,157.00	
b) Intangible Asset				
12. Computer Software	-		2,242,800.00	
13. E-Journals	94,970,008.00		3,674,129.13	
c) Capital Work in Progress	3,165,821.00	217,940,343.00		276,780,084.38
<u>VIII. OTHER PAYMENTS INCLUDING STATUTORY PAYMENTS</u>				
Income Tax	37,092,918.00		35,800,773.00	
Sales Tax	556,062.00		4,837,562.00	
Employees contribution to C.P.F	495,240.00		456,512.00	
Employees contribution to N.P.S	20,181,380.00		18,310,772.00	
GPF- contribution to employees	34,032,093.00		31,010,725.00	
<u>SUBSIDIARIES</u>				
Project Account - Income Tax	101,151.00		49,961.00	
R&C Cell - Income Tax	2,416,012.00		1,252,888.00	
R&C Cell - Service Tax	3,214,912.00			
SNFCE - Income Tax	106,235.00		101,645.00	
Dean Academic Affairs - Income Tax		98,196,003.00		91,820,838.00
<u>IX. REFUND OF GRANT</u>				
<u>X. DEPOSITS AND ADVANCES</u>				
Institute-NPS Payment	-		5,277.00	

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Advance given to Staff	21,172,065.40		18,046,032.00	
Imprest given to Staff	274,405.00		348,000.00	
Advance given to Parties	44,267,358.00		11,032,902.00	
Institute-LC Debit on account R&C	2,106,318.00			
Recovery against Debts Outstanding of Industrial Estate	26,764.00			
Tax Deducted at Source FY 2013-14	-		24,004.00	
Tax Deducted at Source FY 2014-15	-		973,180.00	
Tax Deducted at Source-Industrial Estate	-		109,398.00	
Tax Deducted at Source-Alumini Association	19,847.00		40,510.00	
Subsidiary				
Subsidiary-Dean Academics - Advances	30,000.00		36,000.00	
Subsidiary-Project Account - Advance & Imprest	599,870.00		271,228.00	
R&C Cell - Advances & Imprest	1,083,183.00		891,400.00	
R&C Cell - Receivable against Uncleared Cheque	-		90,980.00	
R&C Cell - Receivable from Project Account	678,700.00		-	
SNFCE - Advance & Imprest	-		145,550.00	
Subsidiary-Student Welfare Fund - Advance	15,000.00		86,220.00	
TEQIP - Advances Recoverable	-		5,353,760.00	
Recoverable Deposit- Institute- G.I. for Students	1,169,078.00		1,528,752.00	
Recoverable Deposit- Institute-Group Insurance Scheme	1,633,352.00		1,059,855.00	
Recoverable Deposit- Institute-Security & Earnest Money	3,189,051.00	76,264,991.40	-	40,043,048.00
XI. OTHER PAYMENTS				
Bank Charges	42,501.00		21,338.00	
Alumni Association	578,370.00			
NIMCET Scheme	98,940.00		422,900.00	
Prime Minister Relief Fund	165,675.00		-	
NIMCET Scheme	100,000.00		50,000.00	

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ICCCT Seed	50,000.00		
TEQIP-II Stipend	6,807,886.00		3,229,639.00
Cancelled Cheques	1,552,970.00		2,048,381.00
DST New Delhi	5,363,800.00		5,869,024.00
Examination Fees	70,500.00		13,357,014.00
Motor Cycle Loan Recovery			
House and building recovery employees	280,760.00		327,000.00
World Environment Day	-		60,000.00
L.I.C.	735,014.00		893,821.00
M.Tech (Part Time)	7,247,291.00		
Other Liabilities (Misc. Receipt Transfer)	5,830,832.00		12,050,872.00
Employees contribution to Khadi	-		9,477.00
Employees loan from SBI	504,492.00		504,492.00
Merit Scholarship	762,000.00		-
State Scholarship	-		1,447,331.00
Revenue Stamp (Stamp Fees)	9,131.00		9,586.00
C-DAC	116,240.00		
Teacher Association Subscription	-		70,500.00
Caution Money	1,322,000.00		2,156,388.00
Earnest Money/ Security Money	4,749,367.00		3,158,126.00
TEQIP-II	203,709.00		3,090,000.00
LSDSS Project 2015	15,000.00		-
Project A/c	1,827,082.00		-
Salary Adhoc	1,005,040.00		-
Prayag Project	199,462.00		-
Union Donation	71,500.00		-
SUBSIDIARIES			

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Alumni Association - Income Tax & TDS paid	353,375.00		33,961.00	
Project Account- Transfer to General Corpus Fund	10,000,000.00			
R & C Cell - Transfer to General Corpus Fund	140,000,000.00			
Project Account - Accounting Charges Payable	20,000.00			
Project Account - University of Allahabad	155,691.00			
R&C Cell - Expenses Payable	42,972.00		-	
SNFCE- C-Dac	157,400.00		477,048.00	
Project Account - Transferable amount to R&C Cell	-		624,455.00	
R&C Cell - Testing & Consultancy (Pending)	8,929,529.00		15,025,739.00	
R&C Cell - CCB	-	199,368,529.00	-	64,937,092.00
VI. CLOSING BALANCE:				
Cash in Hand	-	5,033.00		9,995.00
Bank Account:				
State Bank of India - Fees Account	-		11,300,000.00	
State Bank of India - Power Jyoti	7,000.00		5,531.45	
State Bank of India - New Fees Account (with Autosweep)	36,959,303.46	36,966,303.46	114,190,645.00	125,496,176.45
Savings Account & Autosweep:				
Vijaya Bank	369,968,106.83	369,968,106.83		66,688,925.37
In Fixed Deposits with Banks:				
Institute				
Bank of Baroda	-		94,988,809.00	
State Bank of India	579,517,320.00		279,367,320.00	
Vijaya Bank			-	
Caution Money				
State Bank of India	1,727,804.00		1,727,804.00	
Vijaya Bank	8,500,000.00	589,745,124.00	8,500,000.00	384,583,933.00
Earmarked and Endowment Fund:				

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Contributory Provident Fund:				
Contributory Provident Fund (SB)	227,999.12		1,683,818.12	
Contributory Provident Fund FDR	11,334,132.00		7,000,000.00	
General Provident Fund:				
General Provident Fund - with Treasury	1,007,349.00		1,007,349.00	
General Provident Fund - with Vijaya Bank (FDR)	219,090,979.00		154,996,556.00	
General Provident Fund - with Bank of Baroda (FDR)			26,249,816.00	
General Provident Fund - with Vijaya Bank (SB)	(2,897,991.00)		9,804,734.00	
Corpus Fund				
Corpus Fund-with (SBI-SB)	9,026,787.00		3,836,992.00	
Corpus Fund-with (SBI-FDR)	145,800,000.00		-	
Development/Renewal Fund				
Development/Renewal Fund (SBI-SB)	301,647.00		639,690.00	
Development/Renewal Fund (SBI-FDR)	550,000.00		-	
Maintenance Fund				
Maintenance Fund (SBI-SB)	301,647.00		639,690.00	
Maintenance Fund (SBI-TDR)	550,000.00		-	
Staff Development Fund				
Staff Development Fund (SBI-SB)	315,302.00		1,279,149.00	
Staff Development Fund (SBI-TDR)	1,200,000.00		-	
New Pension Scheme:				
Vijaya Bank Saving Account	4,958,422.00		(33,701,536.00)	
Vijaya Bank Autosweep FDR	-	391,766,273.12	54,633,247.00	228,069,505.12
In Subsidiary Funds:				
Admission Committee	704,312.00		704,312.00	
Alumni Association				
Savings Account	4,939,473.66		3,579,763.50	

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Fixed Deposits	5,341,505.00		5,341,505.00
Dean Academic Affairs	35,987,987.50		44,614,721.50
<u>G. K. Agarwal Trust :</u>			
Savings Account:	239,233.00		209,620.00
Fixed Deposits	300,000.00		300,000.00
<u>Industrial Estate</u>			
Current Account	9,472,063.26		6,064,447.26
Fixed Deposits	31,590,203.00		30,066,016.00
<u>Kitchen Project</u>	6,272.00		6,272.00
<u>Nodal Centre</u>	79,001.00		81,700.00
<u>P.D.T.C.</u>	193,741.00		186,218.00
<u>Project Account</u>			
Savings & Autosweep Account	32,468,246.78		17,419,181.78
Fixed Deposits	27,527,105.00		36,436,524.00
<u>Research & Consultancy Cell :</u>			
Savings & Autosweep Account	27,718,070.55		6,389,793.55
Fixed Deposits	70,215,295.00		205,114,936.00
<u>School of Non Formal Continuing Education :</u>			
Current Account	2,521,049.00		5,028,252.00
Fixed Deposits	19,802,189.00		9,802,189.00
<u>Sponsored Gold Medal</u>			
Savings Account	94,560.00		65,873.00
Fixed Deposits	388,488.00		388,488.00
<u>Student Welfare Fund :</u>			
Savings Account	7,522,153.00		6,190,808.00
Fixed Deposits	12,582,050.00		12,582,050.00
<u>TEQIP-II</u>	45,935,508.95		39,459,519.00

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Text Book Lending Bank	516,875.00	336,145,381.70	481,083.00	430,513,272.59
TOTAL		3,376,809,387.69		2,766,947,514.73

PARTNER

DEPUTY REGISTRAR (ACCOUNTS)

REGISTRAR

ANNEXURES

Anenxure-1	NIT Council
Anenxure-2	Board of Governors
Anenxure-3	Finance Committee
Anenxure-4	Building and Works Committee
Anenxure-5	Senate
Anenxure-6	Externally Funded Research Projects
Anenxure-7	Details of Testing & Consultancy

COUNCIL OF NATIONAL INSTITUTE OF TECHNOLOGY (NIT COUNCIL)

The Council shall consist of the following members, namely:-

- (a) the Minister in charge of the Ministry or Department of the Central Government having administrative control of the technical education, *ex officio*, as Chairman;
- (b) the Secretary to the Government of India in charge of the Ministry or Department of the Central Government having administrative control of the technical education, *ex officio* as Vice-Chairman;
- (c) the Chairperson of every Board, *ex officio*;
- (d) the Director of every Institute, *ex officio*;
- (e) the Chairman, University Grants Commission, *ex officio*;
- (f) the Director General, Council of Scientific and Industrial Research, *ex officio*;
- (g) four Secretaries to the Government of India, to represent the Ministries or Department of the Central Government dealing with biotechnology, atomic energy, information technology and space, *ex officio*;
- (h) the Chairman, All India Council for Technical Education, *ex officio*;
- (i) not less than three, but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology;
- (j) three members of Parliament, of whom two shall be chosen by the House of the People and one by the Council of States:

Provided that the office of member of the Council shall not disqualify its holder for being chosen as or for being, a member of either House of Parliament;
- (k) two Secretaries to the State Government, from amongst the Ministries or Departments of that Government dealing with technical education where the Institutes are located, *ex officio*;
- (l) Financial Advisor, dealing with the Human Resource Development Ministry or Department of the Central Government, *ex officio*;
- (m) one officer not below the rank of Joint Secretary to the Government of India in the Ministry or Department of Central Government having administrative control of the Technical Education, *ex officio*, as Member-Secretary.

BOARD OF GOVERNORS

The Board of Governors of the Institute consists of the following members:

- | | | |
|-------|--|-------------|
| (i) | The Chairperson to be nominated by the Visitor | Chairperson |
| (ii) | The Director, ex-officio; | Member |
| (iii) | Two persons not below the rank of the Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance; | Member |
| (iv) | Two persons to be nominated by the Government of the State in which the Institute is situated, from amongst persons, who in the opinion of that Government, are technologists or industrialists of repute; | Member |
| (v) | Two persons, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council; and | Member |
| (vi) | One professor and one assistant professor or a lecturer of the Institute to be nominated by the Senate. | Member |
| (vii) | Registrar | Secretary |

FINANCE COMMITTEE

The Finance Committee consists of the following persons:

- | | |
|---|-------------------------------|
| (i) The Chairperson Board of Governor | Chairman (Ex-Officio) |
| (ii) The Director | Member (Ex-Officio) |
| (iii) Joint Secretary dealing with National Institutes of Technology or his nominee and Financial Advisor (Human Resource Development) or his nominee members | Members |
| (iv) Two persons nominated by the Board from amongst its members | Members |
| (v) The Registrar | Member Secretary (Ex-Officio) |

(Provided that in addition to the above, the Chairman may, in consultation with the Director, co-opt a member as and when found necessary)

BUILDING AND WORKS COMMITTEE

The Building and Works Committee Consists of the following persons:

- | | | |
|-------|--|-------------------------------|
| (i) | The Director of the Institute | Chairman (Ex-Officio) |
| (ii) | One member nominated by the Central Government not below the rank of Director or Deputy Secretary | Member |
| (iii) | One member nominated by the Board of Governors | Member |
| (iv) | Registrar | Member Secretary (Ex-Officio) |
| (v) | Dean, Planning and Development or similar position | Member |
| (vi) | One expert each from Civil and Electrical Engineering Wing of the Central or State Government or any autonomous body of repute | Member |

SENATE

The Senate of the Institute consists of the following persons:

- | | | |
|-------|---|-----------------------|
| (i) | The Director of the Institute | Chairman (Ex-Officio) |
| (ii) | The Deputy Director | Member (Ex-Officio) |
| (iii) | The professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute | Member |
| (iv) | Three persons, one of whom shall be a woman, not being employees of the Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities | Member |
| (v) | Such other members of the staff as may be laid down in the Statutes | Member |
| (vi) | Registrar | Secretary |

DETAILS OF EXTERNALLY FUNDED RESEARCH PROJECT (UPTO 31.03.2016)

Sl. No	Principal Investigator/Co-investigator	Project Title	Funding Agency	Sanctioned Amount (₹)	Month year of project Sanction and Duration
1	Dr. Rajesh Kumar Shastri	A Study on Role of NGOs in Capacity Building & Social Mobilization of rural People: Comparative Study Between Uttar Pradesh and Madhya Pradesh	ICSSR, New Delhi	400,000.00	Dec-2015/ 1 Year
2	Prof. R. C. Vaishya	Air Pollution Monitoring Project	UPPCB, Lucknow	3,969,500.00	Jun-2006/Year to Year continue
3	Prof. R. P. Singh	Ambient Air Quality Monitoring and Noise Monitoring at three locations in Allahabad City	UPPCB, Lucknow	712,000.00	Dec-2014/ 3 Years
4	Dr. Tanuj Nandan	Antecedents and Consequences of Investment Behaviour amongst Urban Poor: A Study of Uttar Pradesh	ICSSR, New Delhi	800,000.00	Nov-2014/ 3 Years
5	Dr. Nekram Rawal/ Jyoti Shrama	Application of Iron Oxide Nanoparticles for Heavy Metal Removal from River Ganga	DST, New Delhi	353,000.00	Sep-2015/ 1 Year
6	Dr. Sameer Srivastava	Characterization of Epigenetically Deregulated Genes in Colorectal Adenomas/Carcinomas Using Next Generation Sequencing Technologies for Development of Novel Biomarkers.	DBT, New Delhi	2,495,500.00	July-2015/ 3 Years
7	Prof. Vinod Yadava	Cylindrical Electrolytic Magnetic Abrasive Machining (CEMAM): Development, Modeling and Optimization	CSIR, New Delhi	1,837,920.00	Oct-2013/ 3 Years
8	Dr. Rohit Kumar Mishra	Delineating the role nano-herbal composites in ergosterol biosynthesis inhibition in dermatophytes	SERB, New Delhi	2,500,000.00	Oct-2014/ 3 Years
9	Dr. P. Karuppanan	Design and Development of an FPGA Controller for PEM Fuel Cell Power Systems	DAE, Mumbai	1,889,200.00	Dec-2014/ 3 Years
10	Dr. Shivesh Sharma	Design and Innovation Centre	MHRD, New Delhi	1,300,000.00	Jan-2015/ 3 Years
11	Dr. Yogendra Kumar Prajapati	Design and study of the sensitivity of optical biosensors having metamaterials	SERB, New Delhi	2,339,000.00	Jun-2014/ 3 Years
12	Dr. Ashutosh Mani	Domain Specific Functional Investigation of YB-1(a cold shock domain protein) Interactors as Prospective Therapeutic Targets in Adenocarcinoma of colon	SERB, New Delhi	3,000,000.00	Mar-2015/ 3 Years
13	Dr. Anuj Jain	Effects of Respirable Suspended particulate Matter (RSPM) on Chronic Obstructive Pulmonary	CST, Lucknow	1,148,000.00	May-2015/ 3 Years

		Diseases (CPOD) Using Computational Fluid Dynamics (CFD)			
14	Dr. Soumya Ranjan Mohanty	Embedded disturbance detection and classification for the distributed generation source connected to grid	SERB, New Delhi	3,693,000.00	May-2015/ 3 Years
15	Prof. Anuj jain	Experimental and Computational Studies on Human Airways	SERB, New Delhi	3,848,200.00	Jun-2014/ 3 Years
16	Dr. A. R. Paul	Flow Control in Complex Ducts using Synthetic Jets	SERB, New Delhi	2,393,000.00	Aug-2013/ 3 Years
17	Dr. Raj Mohan Singh	Groundwater System Modeling Under climatic Changes and Uncertainty	SERB, New Delhi	2,096,400.00	Sep-2014/ 3 Years
18	Dr. Rajesh Gupta	Hybrid DC Micro Grid System for Future Residential-Rural Electrification	MNRE, New Delhi	2,698,500.00	Feb-2016/ 3 Years
19	Dr. Ashutosh Mani	Identification of Novel Drug Targets in Aspergillus Fumigatus Genome Prioritized by essentiality based screening and rational designing of new Antifungal compounds	CST, Lucknow	750,000.00	May-2015/ 3 Years
20	Dr. Asheesh Kumar Singh	Implementation of Fast Charging/Discharging PHEVs Integrated with Modern UPS for Peak Demand Reduction in Distribution System	CSIR, New Delhi	2,305,200.00	Nov-2015/ 3 Years
21	Dr. R. S. Yadav	Information Security Education & Awareness (ISEA) Project (Phase-II)	DeitY, New Delhi	3,606,000.00	Feb-2015/ 3 Years
22	Dr. Anjana Pandey	Integrated bio-hydrogen production from renewable biomass and biological wastes using microbial strains	DBT, New Delhi	4,819,000.00	Mar-2014/ 3 Years
23	Dr. Ajeet Singh, Physics	Modeling of Dyes and perovskites based Sensitizer for solar energy harvesting	SERB, New Delhi	3,320,000.00	July-2015/ 3 Years
24	Dr. Manoj Kumar	Numerical Simulation of Elliptic Interface Problems Arising in Steady State Heat Conduction in Composite Systems.	CSIR, New Delhi	1,150,400.00	Oct-2010/ 3 Years
25	Dr. Nand Kishor	Operation of the Smart Grid With Wide Area Information (Opera Grid)	DST, New Delhi	1,885,980.00	May-2015/ 3 Years
26	Dr. Rajesh Gupta	Power Electronics Converter Based Bidirectional Power Flow Controller for Energy Storage Applications	CSIR, New Delhi	1,705,000.00	Jun-2015/ 3 Years
27	Dr. Sangeeta Negi	Process Development for the Enzymatic Conversion of Grease into Long Chain Fatty Acid	DBT, New Delhi	4,642,600.00	July-2015/ 3 Years
28	Dr. Seema Nara	Rapid assay for simultaneous detection of toxins of Staphylococcus aureus and	SERB, New Delhi	2,561,000.00	May-2015/ 3 Years

29	Dr. Sushil Kumar	clostridium Botulinum in Dairy products Reactive Extraction of Nicotinic- and Isonicotinic Acids from Aqueous Solution	SERB, New Delhi	1,111,000.00	Aug-2015/ 3 Years
30	Dr. V. Basu, Mathematics	Research Award	UGC, New Delhi	750,000.00	Feb-2016/ 2 Years
31	Dr. Goutam Ghosh	Response of Curved Bridges with Isolation Bearings	SERB, New Delhi	1,366,258.00	May-2013/ 3 Years
32	Dr. Rajeev Tripathi	SMDP-C2SD Project	SMDP-2	1,595,000.00	Nov-2015/ 5 Years
33	Dr. Pitam Singh	Social Priority Based Urban Road Transport System using GIS and DEA: Performance Assessment and Designing for Major Cities of Uttar Pradesh (India)	ICSSR, New Delhi	640,000.00	Dec-2015/ 2 Years
34	Dr. Vishnu Agrawal	Study of antibody and human polymorphonuclear neutrophils (PMN) mediated phagocytosis of PNAG positive Staphylococcus epidermidis biofilms and estimation of caspase-3 like protease (clp) production	DBT, New Delhi	2,707,000.00	May-2013/ 3 Years
35	Dr. Ambak kumar Rai	Study of arachidonic acid pathway in human visceral leishmaniasis:therapeutic efficacy of -a linoleic acid as a dietary supplement with sodium antimony	SERB, New Delhi	2,050,000.00	May-2014/ 3 Years
36	Dr. A. K. Dubey	Study of Laser Trepan Drilling of Advanced Engineering Materials	AR & DB, New Delhi	3,291,000.00	Dec-2014/ 3 Years
37	Dr. Vishnu Agarwal	Study of Role of Lactone Signaling and Alginate Production on Neutrophil interaction Apoptosis and Subsequent Macrophage Mediated Phogocytosis Against Pseudomonas aeruginosa Biofilm associated infections	SERB, New Delhi	4,140,000.00	Sep-2015/ 3 Years
38	Dr. Ambak Kumar Rai	Study to Investigate the Therapeutic Efficacy of CD5 Blocking in Treatment of T Cell lymphoblastic Leukemia	DBT, New Delhi	2,469,000.00	July-2015/ 3 Years
39	Dr. Pitam Singh	Sum of Fractional Multi-objective Programming Problems.	SERB, New Delhi	1,100,000.00	Mar-2016/ 2 Years
40	Dr. A. K. Ojha	Synthesis and optical characterization of low dimension systems	SERB, New Delhi	2,314,000.00	Nov-2013/ 3 Years
41	Dr. Murari Venkataramanujam	The Effect of Micro Level Progressive Matrix Plasticity on the Macro Level Response of Unidirectional Composites: Micromechanics Based Study	SERB, New Delhi	2,486,000.00	Jan-2016/ 3 Years
42	Dr. Neeraj Tyagi	Visvesvaraya PhD Scheme for Electronics & IT	DeitY, New Delhi	23,734,000.00	Dec-2014/ 5 Years
Total				113,971,658.00	

EXTERNALLY FUNDED RESEARCH PROJECT COMPLETED IN FINANCIAL YEAR 2015-16

Sl. No	Principal Investigator /Co-investigator	Project Title	Funding Agency	Sanctioned Amount (₹)	Duration month and Years
1	Prof. P. K. Dutta	Chitosan Derivatives Containing azo Based Schiff based: Synthesis, Characterization, Spectroscopic and Antimicrobial studies	CSIR, New Delhi	2,024,724.00	May-2012/ 3 Years
2	Prof. P. Chakrabarti, Director	Design and Development of Low Cost Plastic Devices for Electronics and Photonic Application	DRDO, New Delhi	3,646,000.00	Apr-2012/ 3Years 6 Months
3	Dr. Vishnu Agrawal	Development of Eucalyptus Globules Oil Containing Bio-adhesive Polymeric Nanoparticles and Estimation of its Cytotoxicity Potential and Assay against Biofilm	SERB, New Delhi	2,076,000.00	May-2012/ 3 Years
4	Prof. Vinod Yadava	Electro Discharge Dimond Grinding Development and Optimization	AR & DB, New Delhi	2,718,500.00	Dec-2010/ 3 Years 8 Months
5	Dr. Shivesh Sharma	Harnesing PGPRs from Indo Gangetic Plan Region of UP for growth promotion and disease suppression in rice and pigeonepea	DBT, New Delhi	3,939,000.00	Dec-2011/ 4 Years 3 Months
6	Dr. Tripti Singh	HR Competence Mapping amongst women self-helps in Uttar Pradesh	ICSSR, New Delhi	500,000.00	Jul-2013/ 2 Years
7	Prof. Geetika	Multi-Partnership Model of Self Sustainable Shelters for Urban Homeless Poor	HSM, New Delhi	1,600,000.00	Apr-2013/ 2 Years 3 Months
8	Dr. Ravindra Tripathi	New Horizons for Unorganised Manufacturig Sector in India: An empirical Study in Uttar Pradesh and Maharastra	ICSSR, New Delhi	700,000.00	Apr-2014/ 2Years
9	Prof. S. S. Narvi	Organic-Inorganic Hybrid Material Based on Metal Complexes and Polyoxometalates, their Characterization and Application in Catalysis and Gass Absorption	CST, U P Lucknow	841,079.00	Sep-2012/ 3 Years
10	Dr. Rajesh Gupta	Solar Photovoltaic Array Power Conversion Using Embedded Cascaded Multilevel Inverter	SERB, New Delhi	3,436,600.00	Sep-2012/ 3 Years 6 Months
11	Dr. Sangeeta Negi	Sorghum Stover Based Biorefinery for fuels and chemicals	MNRE, New Delhi	3,876,400.00	Jan-2012/ 3 Years 6 Months
Total				25,358,303.00	

TESTING AND CONSULTANCY

Sl. No.	Name of PI	Name of Funding Agency	Project Title	Amount (INR)	Amount in Words
1	Prof. P. Chakrabarti	M/s Veekay Connectors Pvt. Ltd., Naini, Allahabad	Programmable speed and acceleration control of a 1.5 KW DC motor	56,180.00	Fifty six thousand one hundred eighty only
2	Prof. A. K. Sachan	M/s Pradhuman Yadav, Azamgarh	Design of 500 KL OHT	15,960.00	Fifteen thousand nine hundred sixty only
3	Prof. A. K. Sachan	M/s R. S. Construction, Azamgarh	Design of 500 KL OHT	15,960.00	Fifteen thousand nine hundred sixty
4	Prof. A. K. Sachan	M/s Sadan Construction, Lalitpur	Design of 150 KL OHT	9,000.00	Nine thousand only
5	Prof. A. K. Sachan	M/s Hari Prakash Singh, Lucknow	Design of 125 KL OHT	6,840.00	Six thousand eight hundred forty only
6	Prof. A. K. Sachan	M/s Dinesh Kumar Agarwal, Jhansi	Design of 25 KL & 140 KL OHT	17,100.00	Seventeen thousand one hundred
7	Prof. A. K. Sachan	M/s Shakti Construction, Raebareli	Vetting of 24 KL CWR	6,000.00	Six thousand only
8	Prof. A. K. Sachan	M/s Raj Brothers, Kanpur	Vetting of design of OHT	10,000.00	Ten thousand only
9	Prof. A. K. Sachan	M/s Kamla Prasad Gupta, Lucknow	Design of 100KL & 150KL OHT	16,000.00	Sixteen thousand only
10	Prof. A. K. Sachan	M/s Gannon Dunkerley & Co. Ltd., New Delhi	Vetting of structural design of 225KL & 475 KL OHT	18,000.00	Eighteen thousand only
11	Dr. N. R. Rawal	AGM (FQA), Meja TPP, Allahabad	Testing of water sample	6,741.00	Six thousand seven hundred forty one only
12	Dr. Rakesh Kumar	The Executive Officer, Nagar Palika Parishad, Belha, Pratapgarh	Testing of brick and interlocking tiles	61,798.00	Sixty one thousand seven hundred ninety eight only
13	Dr. Rakesh Kumar	The Project Manager, UPPCL, Unit-16, Mirzapur	Testing of brick and mortar	13,483.00	Thirteen thousand four hundred eighty three only
14	Dr. Rakesh Kumar	The Project Manager, NCC Limited, Mausam Vihar, Kalindipuram, Allahabad	Testing of concrete cube	2,247.00	Two thousand two hundred forty seven only
15	Dr. Rakesh Kumar	Executive Engineer, A.D.A., Allahabad	Testing of concrete cube	4,494.00	Four thousand four hundred ninety four only
16	Dr. Rakesh Kumar	M/s Jatin Buildtech Pvt. Ltd., B-81, NSG Society, Greater Noida	Testing of concrete cube & steel	11,236.00	Fifty six thousand one hundred eighty only
17	Dr. Rakesh Kumar	The Project Manager, NCC Limited, Mausam Vihar, Kalindipuram,	Compressive strength of concrete cube	4,495.00	Four thousand four hundred ninety five only

Allahabad

18	Dr. Rakesh Kumar	M/s R. K. Associate, 222/1A, Preetam Nagar, Allahabad	Testing of brick	6,180.00	Six thousand one hundred eighty only
19	Dr. Rakesh Kumar	M/s Alstom T&D India Limited, Power Grid Corporaton Ltd., Sarangapur Allahabad	Testing of coarse aggregate	14,607.00	Fourteen thousand six hundred seven only
20	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Testing of soil	28,090.00	Twenty eight thousand ninety only
21	Dr. Kumar Venkatesh	M/s SMS Infrastructure Limited, Corporate Office - 20 IT Park, Parsodi, Nagpur	Testing of soil	37,079.00	Thirty seven thousand seventy nine only
22	Dr. Rakesh Kumar	M/s Vasu Engitech Solutions Pvt. Ltd., Gomti Nagar, Lucknow	Third party inspection	22,472.00	Twenty two thousand four hundred seventy two only
23	Prof. R. K. Tripathi	M/s AU Electro Machines, 8-C, Shivram Das Gulati Marg, Allahabad	Temperature rise test on bushing CT	11,236.00	Eleven thousand two hundred thirty six only
24	Dr. Rakesh Kumar	U.P. Rajkiya Nirman Nigam Ltd., Saifai Unit, Etawah	N.D.T. Of Projects	478,878.00	Four lakh seventy eight thousand eight hundred seventy eight only
25	Dr. Rakesh Kumar	M/s SMS Infrastructure Limited, Corporate Office - 20 IT Park, Parsodi, Nagpur	Testing of concrete cube	5,618.00	Five thousand six hundred eighteen only
26	Dr. Rakesh Kumar	Project Manager, U.P. Project Corporation Ltd., Unit-16, Mirzapur	Study of design and drawing and site visit	98,338.00	Ninety eight thousand three hundred thirty eight only
27	Dr. Rakesh Kumar	Executive Officer, Town Area, Katra Medniganj, Pratapgarh	Testing of brick and interlocking tiles	25,843.00	Twenty five thousand eight hundred forty three only
28	Dr. Rakesh Kumar	The Project Manager, NCC Limited, Mausam Vihar, Kalindipuram, Allahabad	Testing of cube	4,494.00	Four thousand four hundred ninety four only
29	Dr. Rakesh Kumar	M/s SMS Infrastructure Limited, Corporate Office - 20 IT Park, Parsodi, Nagpur	Testing of steel	107,866.00	One lakh seven thousand eight hundred sixty six only
30	Dr. Rakesh Kumar	U.P. State Construction and Infrastructure Development Corporation Ltd., Raibareilly	Third party inspection	84,270.00	Eighty four thousand two hundred seventy only

31	Dr. Raj Mohan Singh	Executive Engineer, Bansagar Nahar Nirman, Khand-5, Mirzapur	Third party inspection on concurrent evaluation of the project	398,900.00	Three lakh ninety eight thousand nine hundred only
32	Dr. Kumar Venkatesh	Manager (S/S), Power Grid Corporation Of India Limited, Allahabad	Geotechnical Investigation	84,270.00	Eighty four thousand two hundred seventy only
33	Prof. R. P. Tiwari	The Unit Incharge, U.P.R.N.N. Ltd., Kaushambi Unit, Allahabad	Geotechnical Investigation and found design	22,800.00	Twenty two thousand eight hundred only
34	Prof. R. P. Tiwari	The Project Manager, U.P. State Bridge Corporation Ltd., Allahabad	Inspection of bridge at bharwari, Allahabad	28,090.00	Twenty eight thousand ninety only
35	Dr. Rakesh Kumar	M/s Vinayakkripa Realtors Pvt. Ltd., Old Katra, Allahabad	Testing of cube	5,618.00	Five thousand six hundred eighteen only
36	Prof. R. P. Tiwari	The Executive Engineer, A.D.A., Allahabad	Geotechnical investigation at Shantipuram, Allahabad	57,000.00	Fifty seven thousand only
37	Prof. A. K. Sachan	The Executive Engineer, A.D.A., Allahabad	Design of culvert at Nurulla Road	91,200.00	Ninety one thousand two hundred only
38	Prof. A. K. Sachan	The Executive Engineer, A.D.A., Allahabad	Design of retaining wall	79,800.00	Seventy nine thousand eight hundred only
39	Dr. Kumar Venkatesh	M/s SMS Infrastructure Ltd., 20 IT Park, Parsodi, Nagpur	Soil Testing	6,742.00	Six thousand seven hundred forty two only
40	Dr. Rakesh Kumar	M/s Maa Lalita Entertainment & Developers Private Limited, Old Katra, Allahabad	Testing of cube	5,618.00	Five thousand six hundred eighteen only
41	Dr. Rakesh Kumar	M/s L&T Construction, Chennai	Testing of cement	8,989.00	Eight thousand nine hundred eighty nine only
42	Dr. Rakesh Kumar	M/s L&T Construction, Chennai	Testing of aggregate	14,607.00	Fourteen thousand six hundred seven only
43	Dr. Rakesh Kumar	M/s L&T Construction, Chennai	Testing of aggregate	17,978.00	Seventeen thousand nine hundred seventy eight only
44	Dr. Rakesh Kumar	M/s L&T Construction, Chennai	Testing of aggregate	33,708.00	Thirty three thousand seven hundred eight only
45	Dr. Rakesh Kumar	The Executive Engineer, A.D.A., Allahabad	Testing of concrete cube	5,618.00	Five thousand six hundred eighteen only

46	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd., Power Grid Corporation Ltd., Saranapur, Allahabad	Testing of fine aggregate & cement	17,978.00	Seventeen thousand nine hundred seventy eight only
47	Dr. Rakesh Kumar	M/s HK Infraventures Pvt. Ltd., 17 Industrial Colony, Naini, Allahabad	Testing of concrete cube	5,618.00	Five thousand six hundred eighteen only
48	Dr. Varun Singh	Harish Chandra Research Institute, Chhatnag Road, Jhunsi, Allahabad	Testing of bitumen	9,551.00	Nine thousand five hundred fifty one only
49	Dr. N. R. Rawal	Ground Water Department, Geophysical Survey, Mirjapur	Testing of water sample	421,350.00	Four lakh twenty one thousand three hundred fifty only
50	Prof. R. P. Singh	M/s GSJ ENVO Limited, 51 Hemkund Colony, New Delhi	Vetting of the document for 24 MLD STP	112,360.00	One lakh twelve thousand three hundred sixty only
51	Prof. R. P. Singh	The Executive Engineer, A.D.A., Allahabad	Vetting of design & drawing of rainwater harvesting system	33,708.00	Thirty three thousand seven hundred eight only
52	Dr. N. R. Rawal	M/s Narayan Ice Factory, 55 Industrial Estate, Teliarganj, Allahabad	Testing of water sample	5,618.00	Five thousand six hundred eighteen only
53	Prof. A. K. Sachan	M/s Ircon International Limited, Raebareli	Vetting of design RUB allied structures	505,620.00	Five lakh five thousand six hundred twenty only
54	Prof. A. K. Sachan	M/s GSJ ENVO Limited, 51 Hemkund Colony, New Delhi	Vetting of design / drawing for 24 MLD STP	224,720.00	Two lakh twenty four thousand seven hundred twenty only
55	Dr. N. R. Rawal	M/s Isolux Corsan India Engineering & Construction Pvt. Ltd., Ashok Nagar, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
56	Dr. Rakesh Kumar	The Project Manager, U.P.P.C.L., Allahabad	Testing of brick and mortar	17,416.00	Seventeen thousand four hundred sixteen only
57	Dr. Kumar Venkatesh	M/a Ace Pipeline Contracts Pvt. Ltd., Kohdar, Allahabad	Soil Testing	7,866.00	Seven thousand eight hundred sixty six only
58	Dr. N. R. Rawal	M/s Jaihind Project Limited (BKPL Project) Allahabad	Testing of water sample	5,618.00	Five thousand six hundred eighteen only
59	Prof. R. P. Tiwari	The Executive Engineer, CD-2, UPPWD, Mirzapur	Geotechnical investigation of soil	37,620.00	Thirty seven thousand six hundred twenty only
60	Dr. Rakesh Kumar	Project Manager, UPPCL, Shakti Nagar Colony, Bareilly	Testing of rebound hammer	78,652.00	Seventy eight thousand six hundred fifty two

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61	Dr. Rakesh Kumar	The Executive Officer, Nagar Panchayat, Pratapgarh City, Pratapgarh	Testing of brick	5,618.00	Five thousand six hundred eighteen only
62	Dr. Rakesh Kumar	The Project Manager, HNB Engineers Pvt. Ltd., Allahabad	Testing of steel	17,978.00	Seventeen thousand nine hundred seventy eight only
63	Dr. L. K. Mishra	The Executive Engineer, Construction Division, P.W.D., Chandauli	Desging of RCC bridge on Gadai River	179,776.00	One lakh seventy nine thousand seven hundred seventy six only
64	Dr. Rakesh Kumar	The Executive Engineer, A.D.A., Allahabad	Testing of concrete cube	5,618.00	Five thousand six hundred eighteen only
65	Dr. Rakesh Kumar	The Executive Engineer, Provincial Division, P.W.D., Kausambi	Testing of mortar	44,944.00	Forty four thousand nine hundred forty four only
66	Dr. Rakesh Kumar	The Project Manager, C&DS Unit-33, U.P. Jal Nigam, Kausambi	Testing of bricks, steel & mortar	169,664.00	One lakh sixty nine thousand six hundred sixty four only\
67	Dr. N. R. Rawal	M/s Ace Pipeline Contracts Pvt. Ltd., Shahdol Phulpur, Pipeline Project, Allahabad	Testing of water sample	6,742.00	Six thousand seven hundred forty two only
68	Dr. Rakesh Kumar	Shri S. K. Singh (HJS), Registrar General, High Court, Allahabad	Non destructive testing in beams & columns	205,619.00	Two lakh five thousand six hundred nineteen only
69	Dr. Rakesh Kumar	M/s Vinayakkripa Realtors Pvt. Ltd., Old Katra, Allahabad	Concrete mix design	73,034.00	Seventy three thousand thirty four only
70	Dr. Ramesh Pandey	Office of the General Manager, Ganga Pollution Control Unit, U.P. Jal Nigam, Allahabad	Testing of RCC Pipe	13,146.00	Thirty thousand one hundred forty six only
71	Dr. Kumar Venkatesh	The Executive Engineer, U.P. Jal Nigam, Amethi	Geotechnical Investigation	348,316.00	Three lakh forty eight thousand three hundred sixteen only
72	Dr. Varun Singh	The Executive Engineer, Construction Division-1, P.W.D., Pratapgarh	Testing of aggregate and bitumen	11,236.00	Eleven thousand two hundred thirty six only
73	Dr. Varun Singh	The Executive Engineer, Construction Division-1, P.W.D., Allahabad	Bituminous mix design	67,416.00	Sixty seven thousand four hundred sixteen only

74	Dr. Rakesh Kumar	Project Manager, Construction and design services, Unit- 46, U.P. Jal Nigam, Jail Chungi, Jail Road, Meeruth	NDT of RCC Work	348,840.00	Three lakh forty eight thousand eight hundred forty only
75	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Testing of soil	198,360.00	One lakh ninety eight thousand three hundred sixty only
76	Dr. Kumar Venkatesh	Secretary, Citizen Housing & Development Co- operative Society Ltd, Sahyog Bhawan, Civil Lines, Allahabad	Chemical composition of concrete	11,400.00	Eleven thousand four hundred only
77	Dr. Kumar Venkatesh	Secretary, Citizen Housing & Development Co- operative Society Ltd, Sahyog Bhawan, Civil Lines, Allahabad	Compressive strength of concrete cube	5,700.00	Five thousand seven hundred only
78	Dr. Kumar Venkatesh	The Executive Officer, Nagar Palika Parishad, Pratapgarh	Compressive strength of water absorption	64,980.00	Sixty four thousand nine hundred eighty only
79	Dr. Anirudha Narain	M/s Vindhya Electrical Industries, Sonebhadra	Testing & calibration of electrical instruments	18,468.00	Eighteen thousand four hundred sixty eight only
80	Prof. A. K. Sachan	M/s Jai Maa Associates, New Delhi	Vetting of structural design	45,600.00	Forty five thousand six hundred only
81	Prof. A. K. Sachan	Executive Engineer, ADA, Allahabad	Inspection report of building	112,360.00	One lakh twelve thousand three hundred sixty only
82	Prof. A. K. Sachan	M/s Chandel Contractor Works, Banda	Design of 350 KL water tank	11,000.00	Eleven thousand only
83	Prof. A. K. Sachan	M/s Viddut Kumar Jain, Lucknow	Design of 450 KL, 500 KL & 750 KL OHT	42,000.00	Forty two thousand only
84	Prof. A. K. Sachan	M/s Ram Naresh, Allahabad	Design of 25 KL OHT	7,000.00	Seven thousand only
85	Prof. A. K. Sachan	M/s Bankey Bihari, Hamirpur	Design of 100 KL & 250 KL OHT	18,000.00	Eighteen thousand only
86	Dr. N. R. Rawal	M/s Techno Electric Ltd., Meja Urja Nigam P. Ltd., Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
87	Dr. Kumar Venkatesh	M/s Indian Oil Corporation Ltd., Allahabad	Soil Testing	15,960.00	Fifteen thousand nine hundred sixty only
88	Prof. R. P. Tiwari	The Unit Incharge, U.P.R.N.N. Ltd., Kaushambi Unit, Allahabad	Third party inspection of maternity wing at Kaushambi	34,200.00	Thirty four thousand two hundred only

89	Dr. Rakesh Kumar	M/s Tata Projects Ltd., Allahabad	Testing of RCC Cubes	84,360.00	Eighty four thousand three hundred sixty only
90	Dr. Rakesh Kumar	M/s FANS, a.s. Allahabad	Mix design of concrete	17,100.00	Seventeen thousand one hundred only
91	Dr. Rakesh Kumar	M/s Mahadev Ash Bricks, Reewa Road, Allahabad	Testing of flyash bricks	8,550.00	Eight thousand five hundred fifty only
92	Dr. Rakesh Kumar	Project Manager, Paccfed Construction Division, Allahabad	Testing of bricks	6,270.00	Six hundred two hundred seventy only
93	Dr. Kumar Venkatesh	M/s GDCL, Meja TPP, Allahabad	Soil Testing	39,900.00	Thirty nine thousand nine hundred only
94	Prof. R. P. Tiwari	The Executive Engineer, CD, UPPWD, Kaushambi	CBR Test of soil sample	4,560.00	Four thousand five hundred sixty
95	Prof. R. P. Tiwari	The Executive Engineer, Drainage Division-1, Meerut	Third party inspection of irrigation works	1,179,436.00	Eleven lakh seventy nine thousand four hundred thirty six only
96	Dr. Rakesh Kumar	Project Manager, U.P.P.C.L., Gurudwara Road, Saharanpur	Third party inspection	212,247.00	Two lakh twelve thousand two hundred forty seven only
97	Dr. Rakesh Kumar	M/s SMS Infrastructure Ltd., 20 IT Park, Parsodi, Nagpur	Compressive strength and density of cube	18,240.00	Eighteen thousand two hundred forty only
98	Prof. A. K. Sachan	Executive Engineer, CD-1, PWD Allahabad	Design of box culvert	91,200.00	Ninety one thousand two hundred only
99	Dr. Kumar Venkatesh	M/s SMS Infrastructure Ltd., 20 IT Park, Parsodi, Nagpur	Soil Testing	31,920.00	Thirty one thousand nine hundred twenty only
100	Dr. Varun Singh	AGM (FQA), MTPP, Kodharghat, Allahabad	Testing of aggregate	11,400.00	Eleven thousand four hundred only
101	Dr. Rakesh Kumar	M/s Vijay Construction, Lucknow	Mix design of concrete	45,600.00	Forty five thousand six hundred only
102	Dr. Rakesh Kumar	M/s Jatin Buildtech Pvt. Ltd., Noida	Testing of concrete cube	5,700.00	Five thousand seven hundred only
103	Dr. Rakesh Kumar	Project Manager, Paccfed Construction Division, Allahabad	Site visit for collecting the brick sample	5,700.00	Five thousand seven hundred only
104	Dr. Rakesh Kumar	Project Manager, Paccfed Construction Division, Allahabad	Testing of bricks	10,830.00	Ten thousand eight hundred thirty only
105	Prof. R. P. Tiwari	The Executive Engineer, ADA, Allahabad	NDT test for building	285,000.00	Two lakh eighty five thousand only

106	Dr. Kumar Venkatesh	Executive Engineer, CD-1, PWD Allahabad	Geotechnical Investigation	290,700.00	Two lakh ninety thousand seven only
107	Dr. Rakesh Kumar	Project Manager, U.P. Project Corporation Ltd., Shakti Nagar, Bareilly	Third party quality control	257,035.00	Two lakh fifty seven thousand thirty five only
108	Dr. Rakesh Kumar	Project Manager, U.P. Project Corporation Ltd., Shakti Nagar, Bareilly	Third party inspection	182,400.00	One lakh eighty two thousand four hundred only
109	Dr. N. R. Rawal	The Executive Engineer, U.P. State Construction and Infrastructure Development Corporation Ltd., Allahabad	Testing of cement sand in mortar	56,180.00	Fifty six thousand one hundred eighty only
110	Dr. Anirudha Narain	M/s Shiv Engineering, B-9, UPSIDC, Industrial Area, Naini, Allahabad	Testing of calibration of electrical instruments	10,602.00	Ten thousand six hundred two only
111	Dr. N. R. Rawal	Indian Oil Corporation Limited, Barauni Kanpur Pipeline, Subedarganj, Allahabad	Testing of water sample	13,680.00	Thirteen thousand six hundred eighty only
112	Dr. Rakesh Kumar	M/s L&T Construction, Chennai	Testing of cement	9,120.00	Nine thousand one hundred twenty only
113	Dr. Rakesh Kumar	M/s L&T Construction, Chennai	Testing of bricks	18,240.00	Eighteen thousand two hundred forty only
114	Dr. Rakesh Kumar	M/s Ishu Construction & Suppliers, 591 Shastri Nagar, Kallikutti, Janapur	Mix design of concrete	34,200.00	Thirty four thousand two hundred only
115	Dr. Rakesh Kumar	M/s Tata Projects Ltd., Allahabad	Testing of concrete cube	47,880.00	Forty seven thousand eight hundred eighty only
116	Dr. Rakesh Kumar	M/s SMS Infrastructure Ltd., 20 IT Park Parsodi, Nagpur	Testing of steel	82,080.00	Eighty two thousand eighty only
117	Dr. Rakesh Kumar	Additional Project Manager, UPRNN, Allahabad	Testing of steel	54,720.00	Fifty four thousand seven hundred twenty only
118	Dr. Rakesh Kumar	Project Manager, Paccfed Construction Division, Allahpur, Allahabad	Testing of bricks	10,830.00	Ten thousand eight hundred thirty only
119	Dr. Rakesh Kumar	Project Manager, Paccfed Construction Division, Allahpur, Allahabad	Site visit for sample collection	5,700.00	Five thousand seven hundred only

120	Dr. Varun Singh	Executive Engineer, P.D., PWD, Allahabad	Mix design	45,600.00	Forty five thousand six hundred only
121	Dr. S. J. Pawar	Assistant Divl. Engineer, HQ-II, NCR, Allahabad	Tensile Test	14,250.00	Fourteen thousand two hundred fifty only
122	Dr. N. R. Rawal	Executive Engineer, U.P. Jal Nigam, Sambhal	Testing of water sample	22,800.00	Twenty two thousand eight hundred only
123	Dr. N. R. Rawal	M/s Bridge and roof co. India Ltd., WPT Package, Kohdar, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
124	Dr. Rakesh Kumar	Project Manager, U.P.P.C.L., Allahabad	Site visit of Phoolpur	22,800.00	Twenty two thousand eight hundred only
125	Dr. H. K. Pandey	M/s Venky's (India) Limited, Naini, Allahabad	Hydrogeological report and rainwater harvesting proposal	39,900.00	Thirty nine thousand nine hundred only
126	Dr. Rakesh Kumar	M/s Citizen Housing & Developing Co- operative Society Ltd., Civil Lines, Allahabad	Testing of cubes	5,700.00	Eight thousand seven hundred only
127	Prof. A. K. Sachan	M/s S. K. Dwivedi, Karwi	Design of 200KL OHT	8,000.00	Eight thousand only
128	Prof. A. K. Sachan	M/s Viddut Kumar Jain, Lucknow	Design of 100KL & 550KL OHT	20,000.00	Twenty thousand only
129	Prof. A. K. Sachan	M/s Rajeev Gupta, Bharua Sumerpur	Design of 25KL & 100KL OHT	15,000.00	Fifteen thousand only
130	Dr. Kumar Venkatesh	Executive Engineer, CD-1, P.W.D., Allahabad	Geotechnical Investigation	96,900.00	Ninety six thousand nine hundred only
131	Prof. R. P. Tiwari	The Unit Incharge, UPRNN Limited, Kuashambi Unit, Allahabad	Third party evaluation and quality check of District Jail, Allahabad	1,226,668.00	Twelve thousand twenty six thousand six hundred sixty eight only
132	Prof. R. P. Tiwari	M/s Passvant Energy and Environment GmbH, Darbhanga Colony, Allahabad	Geotechnical Investigation for lifting station	54,720.00	Fifty four thousand seven hundred twenty only
133	Prof. R. P. Tiwari	The Project Manager, C&DS Unit-33, U.P. Jal Nigam, Allahabad	Geotechnical Investigation at Hight Court, Allahabad	115,710.00	One lakh fifteen thousand seven hundred ten only
134	Prof. R. C. Vaishya	The Dy. Registrar (N), Hight Court, Allahabad	Testing of waste water sample	5,618.00	Five thousand six hundred eighteen only
135	Dr. N. R. Rawal	M/s Rudra Navnirman Pvt. Ltd., Civil Lines, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
136	Dr. Rakesh Kumar	M/s Jag Rattan Daan Singh & Co., Allahabad	Testing of cube	5,700.00	Five thousand seven hundred only

137	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Testing of soil	100,320.00	One lakh three hundred twenty only
138	Prof. K. K. Shukla	M/s C. K. Enterprises, Beerapur, Kamal Nagar, Allahabad	Proof checking of water tank design	17,100.00	Fifteen thousand one hundred only
139	Dr. N. R. Rawal	Office of the General Manager, Ganga Pollution Control Unit, U.P. Jal Nigam, Allahabad	Testing of water sample	99,180.00	Ninety nine thousand one hundred eighty only
140	Dr. Rakesh Kumar	Shri Ram Naresh Mishra, Baldauganj, Chitrakoot	Mix design of concrete	39,900.00	Thirty nine thousand nine hundred only
141	Dr. Rakesh Kumar	M/s U.E.M. India Pvt. Ltd., Sector-125 Noida	Testing of Steel, Cement, Bricks and coarse aggregate	72,390.00	Seventy two thousand three hundred ninety only
142	Prof. R. P. Tiwari	The Chief Executive Officer, Cantonment Board, Allahabad	Geotechnical Investigation for building at Allahabad	151,686.00	One lakh fifty one thousand six hundred eighty six only
143	Prof. R. P. Tiwari	The Executive Engineer, Abhav Khand, U.P. Jal Nigam, Mirzapur	Geotechnical exploration for OHTs at Mirzapur	330,600.00	Three lakh thirty thousand six hundred only
144	Dr. Rakesh Kumar	The Executive Officer, Nagar Panchayat Pratapgarh Cirty, Pratapgarh	Testing of brick and interlocking tiles	72,390.00	Seventy two thousand three hundred ninety only
145	Dr. Rakesh Kumar	M/s Citizen Housing & Developing Co-operative Society Ltd., Cvil Lines, Allahabad	Testing of concrete cube	5,700.00	Five thousand seven hundred only
146	Prof. A. K. Sachan	M/s Rajeev Gupta, Allahabad	Vetting of design of structural	38,000.00	Thirty eight thousand only
147	Prof. A. K. Sachan	M/s Om Prakash Singh, Janura-Faizabad	Design of OHT 250 KL and 275 KL	24,000.00	Twenty four thousand only
148	Prof. A. K. Sachan	The Executive Engineer, CD-1, PWD, Allahabad	Design of store building for Govt. Press	627,000.00	Six lakh twenty seven thousand only
149	Prof. A. K. Sachan	M/s K.K. Soni, Karwi	Structural design of 150KL tank	9,000.00	Nine thousand only
150	Prof. K. K. Shukla	M/s ACP Tollways Pvt. Ltd., Vibhuti Khand, Gomti Nagar, Lucknow	Proof cheking of ROB at Ch. 94+050	57,000.00	Fifty seven thousand only
151	Dr. A. R. Paul	Office of the Executive Engineer, Construction Division, U.P. Jal Nigam, Kaushambi	Testing of PVC Pipe	82,080.00	Eighty two thousand eighty only
152	Dr. Rakesh Kumar	The Executive Engineer, Construction Division, U.P. Jal Nigam, Kausambi	Testing of concrete cube	5,700.00	Five thousand seven hundred only

153	Dr. Rakesh Kumar	The Executive Officer, Nagar Panchayat Pratapgarh Cirty, Pratapgarh	Testing of brick	41,610.00	Forty one thousand six hundred ten only
154	Dr. Rakesh Kumar	Project Manager, U.P.P.C.L., Shakti Nagar Colony, Bareilly	Study and comment of a drawing	34,200.00	Thirty four thousand two hundred only
155	Dr. Rakesh Kumar	Project Manager, U.P.P.C.L., Shakti Nagar Colony, Bareilly	Testing of steel	18,240.00	Eighteen thousand two hundred forty only
156	Dr. Rakesh Kumar	M/s Modern Engineers Infratech Pvt. Ltd., Agra	Testing of brick and coarse aggregate	10,830.00	Ten thousand eight hundred thirty only
157	Dr. Rakesh Kumar	The Executive Officer, Nagar Panchayat Pratapgarh Cirty, Pratapgarh	Testing of interlocking block	4,560.00	Four thousand five hundred sixty
158	Dr. Rakesh Kumar	Indian Institute of Geomagnetism, Allahabad	Testing of cement & sand	12,540.00	Twelve thousand five hundred forty only
159	Dr. Rakesh Kumar	M/s SMS Infrastructure Limited, Corporate Office - 20 IT Park, Parsodi, Nagpur	Testing of steel & cube	33,060.00	Thirty three thousand sixty only
160	Prof. R. P. Tiwari	The Executive Engineer, Noida Central Division, C.P.W.D., I.P. Bhawan, New Delhi	Stability test for GO's mess at CISF Ghaziabad	285,000.00	Two lakh eighty five thousand only
161	Prof. R. P. Tiwari	The Executive Engineer, Noida Central Division, C.P.W.D., I.P. Bhawan, New Delhi	Stability analysis of STQC building Noida	1,710,000.00	Seventeen lakh ten thousands only
162	Dr. Rakesh Kumar	M/s Jatin Buildtech Pvt. Ltd., Greater Noida	Testing of steel and concrete cube	20,520.00	Twenty thousand five hundred only
163	Dr. N. R. Rawal	M/s Pioneer Hi-bred Pvt. Ltd., Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
164	Dr. N. R. Rawal	M/s RITES Limited, Allahabad	Testing of water sample	6,840.00	Six thousand Eighty Four only
165	Dr. Rakesh Kumar	M/s Modern Engineers Infratech Pvt. Ltd., Agra	Testing of concrete cube	5,700.00	Five thousand seven hundred only
166	Dr. Rakesh Kumar	M/s Vasu Engitech Solution Pvt. Ltd., Gomti Nagar, Lucknow	Third party inspection of building	22,800.00	Twenty two thousand eight hundred only
167	Dr. Rakesh Kumar	The Project Manager, Construction and design service, Unit-38, U.P. Jal Nigam, Robertsganj	Visible inspection of a school building	57,000.00	Fifty seven thousand only

168	Dr. Rakesh Kumar	The Executive Officer, Nagar Panchayat Pratapgarh Belha, Pratapgarh	Testing of interlocking tiles	18,810.00	Eighteen thousand eight hundred ten only
169	Dr. Rakesh Kumar	M/s M.G. Contractors Pvt. Ltd., Panchkula, Haryana	Testing of aggregate	50,160.00	Fifty thousand one hundred sixty only
170	Dr. Rakesh Kumar	M/s M.G. Contractors Pvt. Ltd., Panchkula, Haryana	Concrete mix design	79,800.00	Seventy nine thousand eight hundred only
171	Dr. Rakesh Kumar	M/s GIL - SIL JV, Allahabad	Concrete mix design	91,200.00	Ninety one thousand two hundred only
172	Dr. Shalinee Shukla	Mr. R. C. Dubey, Sr. Manager (Civil), NTPC Tanda, Ambedkar Nagar	Testing of material (WMM)	18,240.00	Eighteen thousand two hundred forty only
173	Dr. Rakesh Kumar	The Executive Engineer, U.P. Samaj Kalyan Nirman Nigam Ltd., Cantt Bareilly	Third party inspection of building	254,710.00	Two lakh fifty four thousand seven hundred ten only
174	Dr. Varun Singh	Executive Engineer, CD-2, P.W.D., Pratapgarh	Job mix design of GSB material	9,120.00	Nine thousand one hundred twenty only
175	Dr. Varun Singh	Executive Engineer, CD-2, P.W.D., Pratapgarh	Job mix design of WMM material	20,520.00	Twenty thousand five hundred twenty only
176	Prof. A. K. Sachan	M/s Manik Chand & Sons, Kanpur	Design of 400KL OHT	15,000.00	Fifteen thousand only
177	Prof. A. K. Sachan	M/s Abdul Zakir, Lalitpur	Design of 500KL OHT	48,000.00	Forty thousand eight hundred only
178	Prof. S. K. Duggal	M/s Classic Enterprises, Arya Nagar, Kanpur	Vetting of structural design for tool plaza	176,700.00	One lakh seventy six thousand seven hundred only
179	Prof. A. K. Sachan	M/s S. K. Dwivedi, Karwi	Design of 700KL OHT	16,000.00	Sixteen thousand only
180	Dr. N. R. Rawal	M/s RITES LIMITED, MUNPL Meja	Testing of water sample	20,520.00	Twenty thousand five hundred twenty only
181	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd., Noida	Testing of cement and concrete cube	11,400.00	Eleven thousand four hundred only
182	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd., Noida	Testing of concrete cube	5,700.00	Five thousand seven hundred only
183	Dr. Rakesh Kumar	M/s SMS Infrastructure Ltd., 20 IT Park, Parsodi, Nagpur	Testing of steel & cube	29,640.00	Twenty nine thousand six hundred forty only
184	Dr. Rakesh Kumar	M/s SMS Infrastructure Ltd., 20 IT Park, Parsodi, Nagpur	Testing of steel & aggregate	88,920.00	Eighty eight thousand nine hundred twenty only

185	Dr. Rakesh Kumar	M/s Maa Lalita Entertainment & Developers Pvt. Ltd., Allahabad	Mixdesign of concrete	85,500.00	Eighty five thousand five hundred only
186	Dr. Rakesh Kumar	The Additional Project Manager, Lohia Hospital Unit, Vibhuti Khand, Gomti Nagar, Lucknow	Testing of brick, cement, sand, stone grit and steel	165,870.00	One lakh sixty five thousand eight hundred seventy only
187	Dr. Rakesh Kumar	The Additional Project Manager, Unit-10A, Plot No. 7/7A, Vibhuti Khand, Gomti Nagar, Lucknow	Testing of brick, cement, sand, stone grit and steel	165,870.00	One lakh sixty five thousand eight hundred seventy only
188	Prof. A. K. Sachan	M/s S. K. Gupta, Banda	Design of 150 KL OHT	8,000.00	Eight thousand only
189	Prof. A. K. Sachan	M/s Diksha Construction, Allahabad	Design of 1300 KL OHT	25,000.00	Twenty five thousand only
190	Prof. A. K. Sachan	M/s Divya Enterprises, Kanpur	Design of 400KL 15 M staging	15,000.00	Fifteen thousand only
191	Prof. A. K. Sachan	M/s Chhote Lal Yadav, Kanpur	Design of 550KL 20 M staging	16,000.00	Sixteen thousand only
192	Dr. Rakesh Kumar	The District Magistrate, Allahabad	Testing of mortar	22,800.00	Twenty two thousand eight hundred only
193	Dr. Rakesh Kumar	M/s Gannon Dunkerley & Co. Ltd., B-228 Okhla Industrial Area, Phase-1, New Delhi	Mix design of concrete	148,200.00	One lakh forty eight thousand two hundred only
194	Dr. Rakesh Kumar	M/s Citizen Housing & Development Co-operative Society Ltd, Civil Lines, Allahabad	Testing of concrete cube	5,700.00	Five thousand seven hundred only
195	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Soil Testing	100,320.00	One lakh three hundred twenty only
196	Dr. Kumar Venkatesh	M/s Deohara Hans Baba Trust, Vindhyachal, Mirjapur	Soil Testing	7,980.00	Seven thousand nine hundred eighty only
197	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd., Noida	Testing of concrete cube	5,700.00	Five thousand seven hundred only
198	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd., Noida	Testing of concrete cube	5,700.00	Five thousand seven hundred only
199	Prof. A. K. Sachan	M/s Kamla Prasad Gupta, Karwi	Design of 750KL 18M Tank	17,000.00	Seventeen thousand only

200	Prof. A. K. Sachan	M/s R. K. Engineers Sales Pvt. Ltd., Lucknow	Design of 500, 450, 400 & 550KL OHT	62,000.00	Sixty two thousand only
201	Prof. R. P. Tiwari	The Upper Project Manager, Allahabad Unit, UPRNN, Allahabad	Geotechnical Investigation and SBC for Badminton Hall	178,980.00	One lakh seventy eight thousand nine hundred eighty only
202	Dr. Rakesh Kumar	Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Saifai Unit, Etawah	Third party inspection of building in sports complex	79,800.00	Seventy nine thousand eight hundred only
203	Dr. Ramesh Pandey	Mr. S. K. Pandey, Manager (Civil), IFFCO Phulpur	Tensile, Bend & Rebend Test	18,240.00	Eighteen thousand two hundred forty only
204	Dr. Rakesh Kumar	Chief Executive Officer, Cantonment Board, Allahabad	Testing of bricks	6,270.00	Six thousand two hundred seventy only
205	Dr. Rakesh Kumar	M/s Fedders Lloyd Corporation Ltd., P.G.C.I.L., Civil Lines, Allahabad	Testing of concrete cube	5,700.00	Five thousand seven hundred only
206	Dr. Shalinee Shukla	M/s M.G. Contractors P. Ltd., M.G. House 1721, Sector-4, Panchkula, Haryana	Testing of GSB Material	9,120.00	Nine thousand one hundred twenty only
207	Dr. Varun Singh	Executive Engineer, Nirman Khan-2, P.W.D., Pratapgarh	Mix design of B.M.	22,800.00	Twenty two thousand eight hundred only
208	Dr. N. R. Rawal	M/s IVRCL Ltd., MUNPL, Allahabad	Testing of water sample	13,680.00	Thirteen thousand six hundred eighty only
209	Dr. N. R. Rawal	M/s Jaihind Project Ltd., IOCL, Allahabad	Testing of water sample	7,695.00	Seven thousand six hundred ninety five only
210	Dr. N. R. Rawal	M/s FANS a.s., M.T.P.P., Kohdar, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
211	Prof. A. K. Sachan	M/s Manik Chand & Sons, Kanpur	Design of 450KL and 600KL OHT	33,000.00	Thirty three thousand only
212	Prof. A. K. Sachan	M/s Gannon Dunkerly & Co. Ltd., New Delhi	Removal of observation in vetted design	10,000.00	Ten thousand only
213	Dr. Rakesh Kumar	M/s Gannon Dunkerly & Co. Ltd., New Delhi	Mix design of M25 & M30 concrete	74,100.00	Seventy four thousand one hundred only
214	Prof. A. K. Sachan	M/s Diksha Construction, Kareli, Allahabad	Vetting of 200KL OHT	8,000.00	Eight thousand only
215	Dr. Rakesh Kumar	M/s Narayan Infraheight Pvt. Ltd., 794/A/1, Sohbatyabagh, Allahabad	Testing of concrete cube	5,700.00	Five thousand seven hundred only

216	Dr. Shalinee Shukla	M/s Raj Construction, Chhapar, Lambhuwaa, Sultanpur	Job mix for WMM	20,520.00	Twenty thousand five hundred twenty only
217	Dr. Shalinee Shukla	M/s J.P. Enterprises, 750/3 Civil Lines, Sultanpur	Job mix for WMM	20,520.00	Twenty thousand five hundred only
218	Dr. Shalinee Shukla	M/s Power Grid Corporation of India Limited, Civil Lines, Allahabad	Testing of coarse aggregate	29,640.00	Twenty nine thousand six hundred forty only
219	Prof. A. K. Sachan	M/s Vinod Kumar (Contractor), Kanpur	Design of 300KL & 125KL CWR	20,000.00	Twenty thousand only
220	Prof. A. K. Sachan	M/s Sunil Kumar Gaur, Fatehpur	Design of 50KL & 75KL OHT	14,000.00	Fourteen thousand only
221	Prof. A. K. Sachan	M/s Sunil Babu Gupta, Banda	Design of 80KL CWRPH	7,000.00	Seven thousand only
222	Prof. A. K. Sachan	M/s Sunil Babu Gupta, Banda	Design of 140KL CWR	7,000.00	Seven thousand only
223	Dr. Kumar Venkatesh	Dy. Manager (TL-Const), P.G.C.I.L., Allahabad	Soil Testing	13,680.00	Thirteen thousand six hundred eighty only
224	Dr. Kumar Venkatesh	M/s SMS Infrastructure Limited, 20 IT Park, Parsodi, Nagpur	Soil Testing	7,980.00	Seven thousand nine hundred eighty only
225	Dr. A. R. Paul	Asstt. Divisional Engineer (H.Q.), N.C.R. Tundla	Hydro Statically Test	9,576.00	Nine thousand five hundred seventy six only
226	Dr. Ajaya Bharti	Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Saifai Unit, Etawah	Quality check of material	142,500.00	One lakh forty two thousand five hundred only
227	Dr. S. J. Pawar	Asstt. Divisional Engineer (H.Q.), N.C.R. Tundla	Tensile test of G.I. Pipe 50 MM dia	5,700.00	Five thousand seven hundred only
228	Dr. Shalinee Shukla	ADEN (Line) Agra, I.D.H., Agra	Ballast Testing	7,980.00	Seven thousand nine hundred eighty only
229	Dr. A.K. Upadhyay	Asstt. Divisional Engineer (H.Q.)-1, N.C.R. Allahabad	Tensile test of M.S. Sheet	5,700.00	Five thousand seven hundred only
230	Dr. N. R. Rawal	M/s SMS Infrastructure Ltd., C/o RITES Ltd, Civil Lines, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
231	Dr. N. R. Rawal	M/s Techno Electric Ltd., C/o MUNPL, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
232	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Soil Testing	100,320.00	One lakh three hundred twenty only

233	Prof. S. K. Duggal	M/s Jyoti Consultants, C-93, Sector-K, Aliganj, Lucknow	Vetting of structural drawing of building of 5.0 LLPD Dairy Plant	45,600.00	Forty five thousand six hundred only
234	Dr. Rakesh Kumar	Er. Madan Kumar AE (Civil) M.E.S., Bamrauli, Allahabad	Testing of Steel	27,360.00	Twenty seven thousand three hundred sixty only
235	Dr. Rakesh Kumar	M/s Alstom T&D Indian Limited, PGCL, KVSS Sarangapur, Allahabad	Testing of concrete cube	6,840.00	Six thousand eight hundred forty only
236	Dr. Rakesh Kumar	M/s Alstom T&D Indian Limited, PGCL, KVSS Sarangapur, Allahabad	Testing of cement	9,120.00	Nine thousand one hundred twenty only
237	Dr. Rakesh Kumar	M/s SMS Infrastructure Ltd., 20 I.T. Park, Parsodi, Nagpur	Testing of steel & cement	18,240.00	Eighteen thousand two hundred forty only
238	Dr. Rakesh Kumar	M/s SMS Infrastructure Ltd., 20 I.T. Park, Parsodi, Nagpur	Testing of steel	57,000.00	Fifty seven thousand only
239	Dr. Rakesh Kumar	M/s Asha Construction, C-1451/3, Indra Nagar, Lucknow	Mix design of M25 grade concrete	28,500.00	Twenty eight thousand five hundred only
240	Dr. Varun Singh	ADEN (LINE) N.C.R., IDH, Agra	Testing of ballast material	7,980.00	Seven thousand nine hundred eighty only
241	Dr. Shalinee Shukla	M/s R. A. & Sons, 28B/100D/1, Allahpur, Allahabad	WMM job mix design	20,520.00	Twenty thousand five hundred twenty only
242	Dr. Rakesh Kumar	The Executive Engineer, N.C.R., 235 G-Block, Subedarganj, Allahabad	Mix design of concrete	68,400.00	Sixty eight thousand four hundred only
243	Dr. Rakesh Kumar	M/s Nandi Agro Initiative Pvt. Ltd., 287 Bahadurganj, Allahabad	Testing of cement brick	6,298.00	Six thousand two hundred ninety eight only
244	Dr. Rakesh Kumar	The Executive Engineer, Construction Division-1, P.W.D., Allahabad	Testing of brick, cement, sand, stone, ballast	89,883.00	Eighty nine thousand eight hundred eighty three only
245	Dr. Rakesh Kumar	The Executive Engineer, Construction Division-2, P.W.D., Pratapgarh	Mix design of concrete	108,775.00	One lakh eight thousand seven hundred seventy five only
246	Dr. Rakesh Kumar	The Executive Engineer, U.P.S.C.I.D. Corporation Ltd., Mirzapur	Testing of mortar	34,350.00	Thirty four thousand Three hundred fifty only
247	Dr. Rakesh Kumar	M/s NTPC Limited, Firoz Gandhi Unchahar Thermal Power Project, Unchahar, Raebareilly	Testing of brick	128,813.00	One lakh twenty eight thousand eight hundred thirteen only
248	Dr. Rakesh Kumar	Project Manager, Construction & Design Services Unit-46, U.P.	Comments on suggestion given by structural engineer	22,900.00	Twenty two thousand nine hundred only

		Jal Nigam, Baghpat	related to school building		
249	Dr. Rakesh Kumar	Mr. Amar Nath, City Engineer (Zone-2) Nagar Nigam, Allahabad	Testing of cement and brick	29,198.00	Twenty nine thousand one hundred ninety eight only
250	Dr. Rakesh Kumar	Mr. S.D. Sharma, Lt. Col, QM for CO 327 MED Regt., PIN-926327	Structural stability of vintage building	22,900.00	Twenty two thousand nine hundred only
251	Prof. A.K. Sachan	M/s Shripal Singh, Allahabad	Structural design of 200KL 12M staging OHT	12,595.00	Twelve thousand Five hundred ninety five only
252	Prof. A.K. Sachan	M/s Ram Naresh, Allahabad	Structural design of 100KL 14M staging OHT	10,305.00	Ten thousand three hundred five only
253	Prof. R. P. Singh	M/s Ramesh Singh Construction, Cholaipur, Varanasi	Hydrolik design of 0.5 MLD WTP	45,800.00	Forty five thousand eight hundred only
254	Dr. N. R. Rawal	M/s GDCL, C/o Meja Urja Nigam P. Ltd., MUNPL, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
255	Dr. A. R. Paul	Executive Engineer, Nirman Khand, U.P. Jal Nigam, Allahabad	Testing of P.V.C. Pipe	82,440.00	Eighty two thousand four hundred forty only
256	Dr. N. R. Rawal	M/s Bridge And Roof Co. (India) Ltd., M.T.P.P., Kohdar, Allahabad	Testing of water sample	6,840.00	Six thousand eight hundred forty only
257	Dr. Rakesh Kumar	M/s Citizen Housing & Developing Co-operative Society Ltd., Civil Lines, Allahabad	Testing of cube	5,725.00	Five thousand seven hundred twenty five only
258	Dr. Rakesh Kumar	The Asst. Divisional Engineer, N.C.R., Chitrakoot Dham, Karwai	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
259	Dr. Rakesh Kumar	M/s Godrej & Boyce Mfg. Co. Ltd., Pratapgarh	Testing of cube	5,725.00	Five thousand seven hundred twenty five only
260	Dr. Rakesh Kumar	M/s KNI Ltd., Allahabad	Testing of kerb stone	6,298.00	Six thousand two hundred ninety eight only
261	Dr. Kumar Venkatesh	Asstt. Divisional Engineer, N.C.R., Fatehpur	Soil Testing	6,870.00	Sixt thousand eight hundred seventy only
262	Dr. Kumar Venkatesh	Sr. General Manager, IFFCO Phulpur Unit, Allahabad	Seismic spectrum analysis	286,250.00	Two lakh eighty six thousand two hundred fifty only
263	Dr. Rakesh Kumar	M/s Sunil Kumar Gaur, 263 Civil Lines, Fatehpur	Vetting of design of OHT	13,992.00	Thirteen thousand nine hundred ninety two only

264	Dr. Rakesh Kumar	The Executive Engineer, U.P. Avas and Vikas Parishad, Construction Division-35, Teliarganj, Allahabad	Testing of Steel	36,640.00	Thirty six thousand six hundred forty only
265	Dr. Kumar Venkatesh	Joint General Manager (Electrical), IFFCO Phulpur Allahabad	Soil Resistivity	57,250.00	Fifty seven thousand two hundred fifty only
266	Dr. Kumar Venkatesh	Chief Manager (TL-Const), PGCIL, Allahabad	Soil Testing	13,680.00	Thirteen thousand six hundred eighty only
267	Dr. Kumar Venkatesh	Executive Engineer, P.W.D., Chitrakoot	Soil Testing	75,240.00	Seventy five thousand two hundred forty only
268	Dr. Kumar Venkatesh	Dy. CPM, Engg. DFCCIL, ALD (W)	Soil testing and bearing capacity	469,450.00	Four lakh sixty nine thousand four hundred fifty only
269	Prof. A. K. Sachan	M/s Tribhuvan Singh Gautam and Siddhant Gautam, Banda	Design of 300 KL OHT	13,740.00	Thirteen thousand seven hundred forty only
270	Prof. A. K. Sachan	M/s Ramesh Construction, Dharshauna, Cholarpur, Varanasi	Design of 0.5 MLD WTP and 1000 KL CWR	68,700.00	Sixty eight thousand seven hundred only
271	Prof. A. K. Sachan	M/s K. B. Gupta, Banda	Design of intake well and foot bridge	51,525.00	Fifty one thousand five hundred twenty five only
272	Prof. A. K. Sachan	M/s A. K. Associate, Allahabad	Design of 50KL and 200KL OHT	18,320.00	Eighteen thousand three hundred twenty only
273	Dr. Rakesh Kumar	The Project Manager, U.P. Jal Nigam, Lucknow	Third party inspection of hanger-2 at C.C. Singh Airport Lucknow	34,350.00	Thirty four thousand Three hundred fifty only
274	Dr. Rakesh Kumar	The Executive Engineer, 10th Division, U.P. Jal Nigam, Gorakhpur	Mix design of concrete	34,350.00	Thirty four thousand Three hundred fifty only
275	Dr. Rakesh Kumar	The Project Manager, U.P.S.C. & I.D. Corporation Ltd., New Mehandauri, Allahabad	Testing of brick and cement	17,748.00	Seventeen thousand seven hundred forty eight only
276	Dr. Rakesh Kumar	The Godrej & Boycd Mfg. Co. Ltd., Pratapgarh	Testing of concrete cube	6,870.00	Six hundred eight hundred seventy only
277	Dr. Rakesh Kumar	M/s Maa Lalita Entertainment & Developers Private Limited, Allahabad	Testing of cube	5,725.00	Five thousand seven hundred twenty five only
278	Dr. Rakesh Kumar	M/s Maa Lalita Entertainment & Developers Private Limited, Allahabad	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only

279	Dr. Rakesh Kumar	M/s Vinayakkripa Realtors P. Ltd., Old Katra, Allahabad	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
280	Dr. Rakesh Kumar	M/s Vinayakkripa Realtors P. Ltd., Old Katra, Allahabad	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
281	Dr. Rakesh Kumar	Chief Executive Officer, Cantonment Board, Allahabad	Testing of brick	6,298.00	Six thousand two hundred ninety eight only
282	Dr. N. R. Rawal	Mr. V. K. Sharma, National Building Construction Corporation Limited, New Delhi	Testing of water sample	6,870.00	Six thousand eight hundred seventy only
283	Dr. Rakesh Kumar	The Project Manager, U.P.R.N.N., Saifai Unit, Saifai	Testing of brick, cement, sand and stone grit	384,720.00	Three lakh eighty four thousand seven hundred twenty only
284	Dr. Rakesh Kumar	The Project Manager, U.P.R.N.N., Saifai Unit, Saifai	Mix design of concrete	223,275.00	Two lakh twenty three thousand two hundred seventy five only
285	Dr. Rakesh Kumar	The Unit Incharge, U.P.R.N.N., Saifai Unit, Saifai	Chemical testing of mortar	68,700.00	Sixty eight thousand seven hundred only
286	Dr. Rakesh Kumar	M/s Tata Projects Ltd., Allahabad	Testing of concrete cube	9,160.00	Nine thousand one hundred sixty only
287	Dr. Rakesh Kumar	M/s Vasu Engitech Solutions Pvt. Ltd., Gomti Nagar, Lucknow	Third party inspection of building	22,900.00	Twenty two thousand nine hundred only
288	Dr. Rakesh Kumar	M/s Godrej & Boyce Mfg. Co. Ltd., Pratapgarh	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
289	Dr. Rakesh Kumar	The Project Manager, U.P.S.C. & I.D. Corporation Ltd., New Mehandauri, Allahabad	Testing of mortar	22,900.00	Twenty two thousand nine hundred only
290	Dr. Rakesh Kumar	M/s GDCL Allahabad	Testing of brick	5,725.00	Five thousand seven hundred twenty five only
291	Dr. Rakesh Kumar	The Executive Engineer, Kanhar Construction Division-3, Pipari, Sonebhadra	Testing of coarse and fine aggregate	100,760.00	One lakh seven thousand sixty only
292	Dr. Rakesh Kumar	Mr. Akash Verma, M/s RITES LIMITED, Allahabad	Testing of Steel	119,080.00	One lakh nineteen thousand eighty only
293	Dr. Rakesh Kumar	The Project Manager, U.P.R.N.N., Saifai Unit, Saifai	Testing of cement, sand, steel and coarse aggregate	171,750.00	One lakh seventy one thousand seven hundred fifty only
294	Dr. Rakesh Kumar	The Project Manager, U.P.R.N.N., Saifai Unit, Saifai	Mix design of concrete	343,500.00	Three lakh forty three thousand five hundred only

295	Dr. Rakesh Kumar	M/s U.E.M. India Pvt. Ltd., Sector-125, Noida	Testing of coarse and fine aggregate	61,830.00	Sixty one thousand eight hundred thirty only
296	Dr. Rakesh Kumar	M/s Tata Projects Ltd., Allahabad	Testing of concrete cube	9,160.00	Nine thousand one hundred sixty only
297	Dr. Rakesh Kumar	Er. V. K. Sharma, Dy. G.M. (Engg.), NBCC Ltd., Allahabad	Testing of cube	13,740.00	Thirteen thousand seven hundred forty only
298	Dr. Rakesh Kumar	M/s Vinayakkripa Realtors P. Ltd., Old Katra, Allahabad	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
299	Dr. Rakesh Kumar	M/s Vinayakkripa Realtors P. Ltd., Old Katra, Allahabad	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
300	Dr. Rakesh Kumar	M/s Tata Projects Ltd., Allahabad	Testing of fine aggregate	32,060.00	Thirty two thousand sixty only
301	Prof. A. K. Sachan	M/s Om Prakash Singh, Faizabad	Design of 300 KL & 350 KL OHT	26,564.00	Twenty six thousand five hundred sixty four only
302	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Soil Testing	100,760.00	One lakh seven hundred sixty only
303	Dr. Kumar Venkatesh	M/s SMS Infrastructure Ltd., 20 IT Park, Parsodi, Nagpur	Soil Testing	8,015.00	Eight hundred fifteen only
304	Dr. Rakesh Kumar	M/s Tata Projects Ltd., Allahabad	Testing of coarse aggregate	36,640.00	Thirty six thousand six hundred forty only
305	Dr. A. R. Paul	The Project Manager, Office of the General Manager, Ganga Pollution Control Unit, U.P. Jal Nigam, Alld.	Pipe Testing	26,793.00	Twenty six thousand seven hundred ninety three only
306	Dr. R. M. Singh	Executive Engineer, Saryu Nahar Khand-7, Bahraich	Concurrent evaluation of the AIBP Project	352,660.00	Three lakh fifty two thousand six hundred sixty only
307	Dr. Rakesh Kumar	The Project Manager, Office of the General Manager, Ganga Pollution Control Unit, U.P. Jal Nigam, Alld.	Testing of brick, coarse sand and stone grit	64,693.00	Sixty four thousand six hundred ninety three only
308	Dr. Rakesh Kumar	M/s Fedders Lloyds Corporation Ltd., Power Grid Corporation Ltd., Indira Bhawan, Civil Lines, Alld.	Testing of steel	54,960.00	Fifty four thousand nine hundred sixty only
309	Dr. Rakesh Kumar	The Project Manager, C&DS Unit-33, U.P. Jal Nigam, Kausambi	Testing of sand, aggregate and steel	32,060.00	Thirty two thousand sixty only

310	Dr. Rakesh Kumar	The Project Manager, C&DS Unit-33, U.P. Jal Nigam, Kausambi	Testing of sand, aggregate and brick	17,748.00	Seventeen thousand seven hundred forty eight only
311	Dr. Rakesh Kumar	The Godrej & Boyce Mfg. Co. Ltd., Pratapgarh	Testing of concrete cube	6,870.00	Six hundred eight hundred seventy only
312	Dr. Rakesh Kumar	The Godrej & Boyce Mfg. Co. Ltd., Pratapgarh	Testing of concrete cube	6,870.00	Six hundred eight hundred seventy only
313	Dr. Rakesh Kumar	M/s Bee-Hive Infrastructures Pvt. Ltd., Civil Lines, Allahabad	Testing of fly ash brick	8,588.00	Eight thousand five hundred eighty eight only
314	Dr. Kumar Venkatesh	M/s Techno Electric & Engineers, Meja TPP, Allahabad	Soil Testing	100,760.00	One lakh seven thousand sixty only
315	Dr. Kumar Venkatesh	M/s Gannon Dunkerley & Co. Ltd., MUNPL, Allahabad	Soil Testing	6,298.00	Six thousand two hundred ninety eight only
316	Dr. Shalinee Shukla	Executive Engineer, Nirman Khand-2, P.W.D., Pratapgarh	Job mix of SDBC-25	22,900.00	Twenty two thousand nine hundred only
317	Dr. N. R. Rawal	M/s Lall Construction Co., AA-105, Shalimar Bagh, Delhi	Testing of water sample	13,740.00	Thirteen thousand seven hundred forty only
318	Prof. R. P. Singh	Er. Rakesh Kumar Bansal, Executive Engineer Office, U.P. Jal Nigam Sonebhadra	Site visit	45,800.00	Forty five thousand eight hundred only
319	Dr. Rakesh Kumar	Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Saifai Unit, Etawah	Third party inspection of different building in Saifai	160,300.00	One lakh sixty thousand three hundred only
320	Dr. Rakesh Kumar	M/s Alstom T&D India Ltd., BTB Station, Post - Vindhaya Nagar, Singaurali	Testing of cement, fine aggregate, stone grit & steel	123,088.00	One lakh twenty three thousand eighty eight only
321	Dr. Rakesh Kumar	M/s Tata Project Limited, 241/17C, Hasting Road, Ashok Nagar, Allahabad	Testing of concrete cube	27,480.00	Twenty seven thousand four hundred eighty only
322	Dr. Rakesh Kumar	M/s Tata Project Limited, 241/17C, Hasting Road, Ashok Nagar, Allahabad	Testing of concrete cube	18,320.00	Eighteen thousand three hundred twenty only\
323	Dr. Rakesh Kumar	M/s Citizen Housing & Development Co- operative Society Ltd, Sahyog Bhawan, Civil Lines, Allahabad	Testing of concrete cube	5,725.00	Five thousand seven hundred twenty five only
324	Dr. Abhishek Kumar	Asstt. Divil. Engineer / H.Q.-1, N.C.R., Allahabad	Mass of zinc coating	6,870.00	Six thousand eight hundred seventy only

325	Dr. S. J. Pawar	Dy. Chief Engineer / Const., N.C.R., Allahabad	Testing of steel bar, tensile and bend rebend	96,753.00	Ninety six thousand seven hundred fifty three only
326	Dr. N. R. Rawal	Sr. Manager (FQA), Meja Thermal Power Plant, Kohdar, Allahabad	Testing of water sample	6,870.00	Six thousand eight hundred seventy only
327	Dr. Shalinee Shukla	Executive Engineer, Nirman Khand-3, P.W.D., Allahabad	Job mix of GSB material	9,160.00	Nine thousand one hundred sixty only
328	Prof. A. K. Sachan	M/s A. K. Associate, Allahabad	Vetting of desing of 200 and 50 KL OHT	14,000.00	Fourteen thousand only
329	Prof. A. K. Sachan	M/s Suneel Babu Gupta, Banda	Vetting of desing of 100 and 250 KL OHT	14,000.00	Fourteen thousand only
330	Dr. Rakesh Kumar	M/s NTPC Limited, Feroz Gandhi Unchahar Thermal Power Project, Raebareilly	Testing of brick	42,938.00	Forty two thousand nine hundred thirty eight only
331	Dr. Kumar Venkatesh	Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Allahabad	Field test and bearing capacity of soil	85,875.00	Eighty five thousand eight hundred seventy five only
332	Dr. Kumar Venkatesh	Asstt. Divil. Engineer / H.Q.-1, N.C.R., Allahabad	Bearing capacity of soil	123,660.00	One lakh twenty three thousand six hundred sixty only
333	Dr. H. K. Pandey	M/s Hindalco Industries Limited, Renusagar	Hydrogeology of the area to access the impact on surface	56,882.00	Fifty six thousand eight hundred eighty two only
334	Dr. Rakesh Kumar	M/s Tata Project Limited, Allahabad	Testing of coarse and fine aggregate	56,105.00	Fifty six thousand one hundred five only
335	Dr. N. R. Rawal	Executive Engineer, Research and Planning, Jal Sansthan, Mirjapur	Tesating of water sample	11,450.00	Eleven thousand four hundred fifty only
336	Dr. N. R. Rawal	M/s SMS Infrastructure Ltd., RITES Ltd, Civil Lines, Allahabad	Testing of water sample	6,870.00	Sixty thousand eight hundred seventy only
337	Dr. Rakesh Kumar	M/s Vasu Engitech Solution Pvt. Ltd., Vineet Khand Gomti Nagar, Lucknow	Third Party Inspection of Building	22,900.00	Twenty two thousand nine hundred only
338	Dr. S. J. Pawar	M/s Office of the Dy. Chief Engineer Construction N.C. Railway, Allahabad	Channel (250x280) Tensile and Bend Test	8,588.00	Eight thousand five hundred eighty eight only
339	Prof. R. P. Tiwari	M/s Office of the Dy. Chief Engineer Con/III/HZME, East Central Railway, Hazaribagh	Slope stability analysis	229,000.00	Two lakh twenty nine thousand only

340	Dr. Kumar Venkatesh	M/s Techno Electric & Engineer MEJA TPP, Allahabad	Soil Testing	50,380.00	Fifty thousand three hundred eighty only
341	Prof. R. P. Tiwari	M/s The Executive Engineer UPSIDC Ltd., Allahabad	Soil Investigation	160,300.00	One lakh sixty thousand three hundred only
342	Dr. Goutam Ghosh	M/s Vinayakkripa Realtors (P) Ltd, Allahabad	Compressive strength of M-25 cubes	5,725.00	Five thousand seven hundred twenty five only
343	Dr. Goutam Ghosh	M/s Vinayakkripa Realtors (P) Ltd, Allahabad	Compressive strength of M-25 cubes	5,725.00	Five thousand seven hundred twenty five only
344	Dr. Rakesh Kumar	The Godrej & Boyee, Mfg Com. Ltd. Pratapgarh	Compressive strength of M-25 cubes	5,725.00	Five thousand seven hundred twenty five only
345	Dr. Rakesh Kumar	The Godrej & Boyee, Mfg Com. Ltd. Pratapgarh	Compressive strength of concrete cubes	9,160.00	Nine thousand one hundred sixty only
346	Dr. Rakesh Kumar	M/s Maa Lalita Entertainment & Developers & Pvt. Limited, Allahabad	Compressive strength of cubes test	5,725.00	Five thousand seven hundred twenty five only
347	Dr. Rakesh Kumar	The Project Manager, Ganga Pollution Control Unit Up. Jal Nigam ,Allahabad	Testing of material	132,820.00	One lakh thirty two thousand eight hundred twenty only
348	Dr. N. R. Rawal	Mr. V.P. Singh, Dy. Manager (FQA), MTPP, Kodharghat, Allahabad	Testing of water sample	13,740.00	Thirteen thousand seven hundred forty only
349	Dr. Rakesh Kumar	The Project Manager, SMS Infrastructure Ltd., Kodharghat, Meja, Allahabad	Testing of steel	91,600.00	Ninety one thousand six hundred only
350	Dr. Rakesh Kumar	M/s IVRCL, Allahabad	Mix Design of M-20Grade concrete	22,900.00	Twenty two thousand nine hundred only
351	Dr. Priyaranjan Pal	M/s Gannon Dunkerley & Co. Ltd., Okhala Delhi	Mix Design of M-20Grade concrete	28,625.00	Twenty eight thousand six hundred twenty five only
352	Dr. Kumar Venkatesh	M/s M.G. Contractor, (P) Ltd., Allahabad	Soil Testing	9,160.00	Nine thousand one hundred sixty only
353	Prof. A.K. Sachan	M/s OP Gupta Contractors Pvt. Ltd, Agra	Design of 225 OHT	25,000.00	Twenty five thousand only
354	Prof. R.P. Singh	Senior Geologist, Ground Water, Deptt., Mirzapur	Testing of water sample	372,125.00	Three lakh seventy two thousand one hundred twenty five only

355	Dr. N. R. Rawal	M/s RITES Ltd. Office of the CPM, 63-D/Sona Vihar Colony, Civil Lines, Allahabad	Testing of water sample	20,610.00	Twenty thousand six hundred ten only
356	Dr. Rakesh Kumar	M/s MG Contractors Pvt. Ltd., Meja, Allahabad	Testing of Cement	9,160.00	Nine thousand one hundred six only
357	Dr. Rakesh Kumar	The Project Manager UPA Construction Unit, Allahabad	Brick compressive strength and water absorption	15,458.00	Fifteen thousand four hundred fifty eight only
358	Dr. Rakesh Kumar	The Project Manager, UPPCL, Mirzapur, Pili Kothi Construction, Mirzapur	Testing of cube & Plaster	13,740.00	Thirteen thousand seven hundred forty only
359	Dr. Rakesh Kumar	The Project Manager, UPPCL, Mirzapur, Pili Kothi Construction, Mirzapur	Testing cubes	13,740.00	Thirteen thousand seven hundred forty only
360	Dr. Rakesh Kumar	The Project Manager, UPPCL, Mirzapur, Pili Kothi Construction, Mirzapur	Testing of cube & Plaster	13,740.00	Thirteen thousand seven hundred forty only
361	Dr. Rakesh Kumar	M/s Tata Project Ltd, 241/17C Hasting Road, Ashok Nagar, Allahabad	Testing of cubes	13,740.00	Thirteen thousand seven hundred forty only
362	Dr. Rakesh Kumar	M/s M.G. Contractor, (P) Ltd., Allahabad	Testing of steel	210,680.00	Two lakh ten thousand six hundred eighty only
363	Dr. Rakesh Kumar	The Project Manager, U.P. Rajkiya Nirman Nigam, Milk Technology Campus, Etawah	Illrd party Investigation for quality control	103,050.00	One lakh three thousand fifty only
364	Dr. Kumar Venkatesh	M/s Kamal & Associate Pvt. Ltd. Engg. & Contractors, New Delhi	Design of soil support system	45,800.00	Forty five thousand eight hundred only
365	Dr. Rakesh Kumar	The Project Manager, SMS Infrastructure Ltd., Kodharghat, Meja, Allahabad	testing of sand	16,030.00	Sixteen thousand thirty only
366	Dr. Rakesh Kumar	M/s Fedders Lioyd Corp Ltd, Allahabad	Testing of cubes	11,450.00	Eleven thousand four hundred fifty only
367	Dr. Rakesh Kumar	The Project Manager, U.P. Rajkiya Nirman Nigam, Safai Unit-1, Etawah	Testing of plaster & masonry mortar	11,450.00	Eleven thousand four hundred fifty only
368	Dr. Kumar Venkatesh	Executive Engineer, PMGSY, PIU, Gramin Abhyantran Vibhag Banda	Soil Testing	192,360.00	One lakh ninety two thousand three hundred sixty only

369	Dr. R.P. Tiwari	Dy. Chief Engineer/Const. N.C. Railway, Allahabad	Testing of Bend and Rebend	105,340.00	One lakh five thousand three hundred forty only
370	Dr. Rakesh Kumar	The Project Manager, U.P. Rajkiya Nirman Nigam, Safai Unit-1, Etawah	Testing of plaster & masonry mortar	22,900.00	Twenty two thousand nine hundred only
371	Dr. Rakesh Kumar	M/ Tata Project Ltd., Ashok Nagar, Allahabad	Testing of course aggregate	18,320.00	Eighteen thousand three hundred twenty only
372	Dr. Rakesh Kumar	M/ Tata Project Ltd., Ashok Nagar, Allahabad	Testing of concrete cubes at 28 days	9,160.00	Nine thousand one hundred sixty only
373	Dr. Rakesh Kumar	Executive Engineer, UP State Construction and Infrastructure Development Corp Ltd. Station Road, Rai Bareilly	Third Party Inspection	85,875.00	Eighty five thousand eight hundred seventy five only
374	Dr. Rakesh Kumar	The Project Manager, UPSC & I D.Cor Ltd. Station Road Raibareilly	Testing of material	127,668.00	One lakh twenty seven thousand six hundred sixty eight only
375	Dr. S. J. Pawar	Assistant Divisional Engineer, H.Q.-II, N.C.R. Allahabad	Tensile and hardness test	17,175.00	Seventeen thousand one hundred seventy five only
376	Dr. V. Patel	Senior Section Engineer (Work) N.C.R., Chuna	Tesile Test	5,725.00	Five thousand seven hundred twenty five only
377	Dr. Rakesh Kumar	Vinayakkripa Realtors (P) Ltd. Old Katra, Allahabad	compressive Strength of cubes	5,725.00	Five thousand seven hundred twenty five only
378	Dr. Rakesh Kumar	Vinayakkripa Realtors (P) Ltd. Old Katra, Allahabad	Testing of concrete cubes	5,725.00	Five thousand seven hundred twenty five only
379	Dr. Rakesh Kumar	M/s Maa Lalita Entertainment & Developers & Pvt. Limited, Allahabad	Testing of concrete cubes	5,725.00	Five thousand seven hundred twenty five only
380	Prof. A.K. Sachan	M/s OP Gupta Contractors Pvt. Ltd, Agra	Vetting of 2500 and 1700 KL OHT	30,000.00	Thirty thousand only
381	Dr. Rakesh Kumar	Er. V.K. Sharma, Dy G.M. (Engg.), NBBB Ltd. Alld.	Testing of cubes	5,725.00	Five thousand seven hundred twenty five only
382	Dr. Rakesh Kumar	The Executive Engineer, PWD, CD-1, Allahabad	Testing dome of High Court	68,700.00	Sixty eight thousand seven hundred only
383	Dr. Rakesh Kumar	M/ Tata Project Ltd., Ashok Nagar, Allahabad	Testing o concrete cubes at 28 days	5,725.00	Five thousand seven hundred twenty five only

384	Prof. A.K. Sachan	M/s Sadan Construction Sadan Shah Civil Lines Allahabad	Design of 125 KL CWRPH	8,000.00	Eight thousand only
385	Dr. Rakesh Kumar	The Project Manager, Construction and Design Services Unit- 46. UP Jal Nigam Baghpat	Visual Inspection of the school Building	45,800.00	Forty five thousand eight hundred only
386	Dr. Kumar Venkatesh	Project Manager, GPCU, UP Jal Nigam, Allahabad	Silt content for sludge sample	5,153.00	Five thousand one hundred fifty three only
387	Dr. Rakesh Kumar	Nagar Engineer, Nagar Nigam, Allahabad	Tesing of Material	28,625.00	Twenty eight thousand six hundred twenty five only
388	Dr. Rakesh Kumar	M/s Alstom T&D India Limited Noida	Compressive Strength of concrete cubes	6,870.00	Six thousand eight hundred seventy only
389	Dr. Rakesh Kumar	The Assistant Divisional Engineer, Northen Railway, Prayag, Allahabad	Mix design of concrete with OPC	80,150.00	Eighty thousand one hundred fifty only
390	Dr. Shaline Shukla	M/s Railtech Infraventure Pvt. Ltd. Old Bairahana, Alld.	Ballast Testingt	10,305.00	Ten thousand three hundred five only
391	Dr. Shaline Shukla	M/s Railtech Infraventure Pvt. Ltd. Old Bairahana, Alld.	Ballast Testingt	10,305.00	Ten thousand three hundred five only
392	Dr. Shaline Shukla	M/s Railtech Infraventure Pvt. Ltd. Old Bairahana, Alld.	Ballast Testingt	10,305.00	Ten thousand three hundred five only
393	Dr. Rakesh Kumar	M/s Alstom T&D India Limited Noida	Compressive strength of M-25 concrete cubes	5,725.00	Five thousand seven hundred twenty five only
394	Dr. Rakesh Kumar	The Project Manager, U.P. Rajkiya Nirman Nigam, Safai Unit-1, Etawah	Third Party Inspection	137,400.00	One lakh thirty seven thousand four hundred only
395	Dr. Rakesh Kumar	Project Manager, UP Projects Corporation, Mehandauri, Allahabad	Third Party Inspection	332,050.00	Three lakh thirty two thousand fifty only
396	Dr. Rakesh Kumar	The Executive Engineer, Illrd Nirman Khand Chand Nagar Rousa, Gazipur	Mix design of M-30 grade	34,350.00	Thirty four thousand Three hundred fifty only
397	Dr. Rakesh Kumar	The Project Manager, UPPCL, Construction Unit-1 50, Seth Sukhoomal Road Sitapur	Third Party Inspection	80,150.00	Eighty thousand fifty only
398	Dr. Rakesh Kumar	The Project Manager, UPPCL, Construction Unit-1 50, Seth	Third Party Inspection	51,525.00	Fifty one thousand five hundred twenty five only

399	Dr. Rakesh Kumar	Sukhoomal Road Sitapur The Project Manager, UPPCL, Construction Unit-1 50, Seth Sukhoomal Road Sitapur	Third Party Inspection	206,100.00	Two lakh six thousand one hundred only
400	Dr. Rakesh Kumar	The Executive Engineer, Construction Division-2, PWD, Hamirpur	Mix design of PQC & DLC	85,875.00	Eighty five thousand eight hundred seventy five only
401	Dr. Ramesh Pandey	Senior Section Engineer (Work) Station N.C.R., Allahabad	Tensile and hardness test	17,175.00	Seventeen thousand one hundred seventy five only
Total				26,337,876.00	



World Environment Day (June 5, 2015).



Orientation Program-Deeksharambha (July 27, 2015)



Personality Grooming Activity (Aug 8-10, 2015)



Personality Grooming Activity (Aug 8-10, 2015)



RasthriyaAvishkarAbhiyan (Aug 14, 2015)



15 August 2015



15 August 2015



15 August 2015



Swagat (August 22, 2015)



Spic Mecay (Sept 7, 2015)



Spic Mecay (Sept 7, 2015)



2nd October 2015



2nd October 2015



Vigilance Week (October 26-31, 2015)



EktaDiwas (Oct 31, 2015)



EktaDiwas (Oct 31, 2015)



Alumni Convention (Nov 7-8, 2015)



Shilanyas of Hostels boys & girls (Nov 8, 2015)



Constitution Day (Nov 26, 2015)



Hindi Workshop (Dec 12, 2015)



Annual Athletic Meet (Jan 23, 2016)



Annual Athletic Meet (Jan 23, 2016)



26 January 2016



MatribhasaDiwas (March 3, 2016)



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
इलाहाबाद-211 004

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Allahabad - 211 004