



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD



वार्षिक प्रतिवेदन  
ANNUAL REPORT  
2012-2013





**ANNUAL REPORT AND AUDIT REPORT  
WITH  
AUDITED STATEMENT OF ACCOUNT  
2012-13**



**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
ALLAHABAD – 211004**

# Contents

Chapter	Particulars	Page No.
<b>1</b>	<b>INTRODUCTION</b>	<b>1-3</b>
	1.1 Vision	2
	1.2 Mission	2
	1.3 Goals	2
<b>2</b>	<b>THE INSTITUTE</b>	<b>5-10</b>
	2.1 Historical Background	6
	2.2 Location	6
	2.3 Campus	6
	2.4 Administration	7
	2.5 Academic Programmes	7
	2.6 Admission Procedure	7
	2.7 Students	7
	2.8 Examination and Evaluation	7
	2.9 Hostels	8
	2.10 Extra-curricular Activities	8
	2.11 Training and Placement	9
	2.12 Notable Achievements	10
<b>3</b>	<b>GENERAL FACILITIES AND SERVICES</b>	<b>13-21</b>
	3.1 Computer Centre	14
	3.2 Mechanical Workshops	14
	3.3 Laboratories	14
	3.4 Centre for Interdisciplinary Research (CIR)	17
	3.5 Central Library	17

Chapter	Particulars		Page No.
	3.6	School for non-formal and Continuing Education (SNFCE)	... 18
	3.7	Institute Health Care Centre	... 19
	3.8	Vehicle Section	... 20
	3.9	Women Grievance cell	... 21
	3.10	Alumni	... 21
<b>4</b>	<b>ADMINISTRATIVE BODIES</b>		<b>23-27</b>
	4.1	Board of Governors	... 24
	4.2	Finance Committee	... 24
	4.3	Building and Works Committee	... 25
	4.4	Senate	... 26
<b>5</b>	<b>THE STAFF</b>		<b>29-55</b>
	5.1	Academic Staff	... 30
	5.2	Administrative Officers	... 37
	5.3	Technical Staff	... 37
	5.4	Ministerial Staff	... 39
	5.5	Supporting Staff	... 41
	5.6	New Recruitments	... 43
<b>6</b>	<b>ACADEMIC PROGRAMMES</b>		<b>57-59</b>
	6.1	Bachelor of Technology (B.Tech.)	... 58
	6.2	Master of Technology (M. Tech.)	... 58
	6.3	Master of Business Administration (MBA)	... 59
	6.4	Master of Computer Applications (MCA)	... 59
	6.5	Master of Science (M.Sc.)	... 59
	6.6	Master of Social Work (MSW)	... 59
	6.7	Doctor of Programme (Ph.D)	... 59

Chapter	Particulars	Page No.
	6.8 New Courses Started ..	59
<b>7</b>	<b>STUDENTS' DETAILS</b>	<b>61-66</b>
	7.1 Intake ...	62
	7.2 Course-wise Enrolment ...	62
	7.3 Admission Statistics ...	64
	7.4 Student Strength ...	64
	7.5 Performance in Examination ...	64
	7.6 Gold Medals ...	65
<b>8</b>	<b>RESEARCH AND DEVELOPMENT ACTIVITIES</b>	<b>69-73</b>
	8.1 Research and Consultancy (R&C) ...	70
	8.2 Research Projects ...	70
	8.3 Consultancy Projects ...	70
	8.4 Sponsored Research Projects Completed ...	70
	8.5 Institute-Industry Interaction ...	73
<b>9</b>	<b>CONCESSIONS FOR SC/ST/OBC &amp; PHYSICALLY CHALLENGED STUDENTS/ STAFF</b>	<b>75-77</b>
	9.1 Concessions Provided for Students ...	76
	9.2 Concessions Provided for Staff ...	77
<b>10</b>	<b>FACULTY ACHIEVEMENTS</b>	<b>79-152</b>
	10.1 Department of Applied Mechanics ...	80
	10.2 Department of Biotechnology ...	88
	10.3 Department of Civil Engineering ...	94
	10.4 Department of Chemical Engineering ...	100
	10.5 Department of Chemistry ...	102
	10.6 Department of Computer Science & Engineering ...	106
	10.7 Department of Electrical Engineering ...	113
	10.8 Department of Electronics & Comm. Engineering ...	121

<b>Chapter</b>	<b>Particulars</b>	<b>Page No.</b>
	10.9 Department of Humanities & Social Sciences	... 128
	10.10 Department of Mathematics	... 130
	10.11 Department of Mechanical Engineering	... 136
	10.12 Department of Physics	... 146
	10.13 School of Management Studies	... 148
	10.14 GIS Cell	... 152
<b>11</b>	<b>ACCOUNT</b>	<b>... 155-273</b>
	11.1 Financial and Account Details	... 159
	11.1 Annual Accounts: 2012-13	165
<b>12</b>	<b>ANNEXURES</b>	<b>275-340</b>
	Anenxure-1. NIT Council	... 277
	Anenxure-2. Board of Governors	... 278
	Anenxure-3. Finance Committee	... 279
	Anenxure-4. Building and Works Committee	... 280
	Anenxure-5. Senate	... 281
	Anenxure-6. Campus Placements	... 282
	Anenxure-7. Externally Funded Research Project	... 304
	Anenxure-8. Details of testing & consultancy	311





# 1

## INTRODUCTION

Vision **1.1**

Mission **1.2**

Goals **1.3**



# 1. 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. 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.

## 1.3 Goals

To initiate collaborative research programs in the following emerging areas with strong user (industry/society) linkages:

- **Advanced Technologies:** MEMs, Sensor Networks, Productivity Analysis, Mechatronics, Industrial Knowledge Management Systems, Computational Fluid Dynamics
- **Communication:** 4G Wireless & Mobile Networks, Signal Processing.
- **Education Technology:** Ontology and Annotation Engineering, Meta Search Engine,
- **Behavioural Mining:** Community Supported Knowledge Management.
- **Energy Engineering:** Bio Fuels, Solar Cells, Hybrid Renewal Energy Systems, Virtual Instrumentation, Distributed Energy System, Energy Audit
- **Environment:** Urban and Industrial Waste Disposal, Climate Change Technologies.
- **Exploration Technology:** Remote Sensing and Resource Planning, Geotechnical Exploration.

- **Global Business:** Strategic Alliances, Intellectual Property Rights (IPR), Logistics, Forex Management, Socio- economic Policy Planning.
- **Health Care:** Bio Mechanics, Genomics and Proteomics, Rehabilitation Devices, Bio-informatics, Chem-informatics.
- **Housing:** Health Monitoring and Rehabilitation of Structures, Smart and Energy Efficient Structures, Green Buildings.
- **IT & Services:** E-Governance, Web Service, Social Networks, Web-3, Multimedia Technology, Digital Right Management Systems.
- **Manufacturing:** Nano –fabrication, Robotics.
- **Materials Technology:** Composite, Smart, Multi functional and Nano-materials Synthesis and Characterization.
- **Strategic & Computing Technology:** VLSI, Embedded Real Time Systems, Grid & Cloud Computing, P2P Evolutionary Computing, Information Security.
- **Technology for Local and Regional Development:** Conventional Employment Opportunities, Rural Urban Migration Social Entrepreneurship, Public Private Partnership (PPP).
- **Transportation:** Rapid Surface Transportation.
- **Water Resources Management Technology:** Rural Water Treatment, Ground Water Management, Rain Water Harvesting.

To establish Centre of Excellence for the following:

- Academic Quality Monitoring and Control
- Advanced Materials Research
- Certification of Bio – Medical implants
- Health Monitoring and Rehabilitation of Structures
- Energy Audit and Loss Minimization
- Environmental Audit and Impact Assessment
- Urban and Industrial Waste Disposal
- Virtual Instrumentation
- Next Generation Communication Networks
- Competence in Service Sector
- Software Quality Certification

To establish Centre for following areas to address Institute and Society needs.

- Promoting social awareness about national problems and possible solutions
- International Collaboration
- Faculty Orientation and Development
- Skill Development for Rural Artisans and unskilled workers
- Innovation and Entrepreneurship Development
- Social Audit of Development Programs

To Start Following Academic Programmes:

- M.Tech: Hydro-power Irrigation Engineering, Transportation Engineering, Construction Engineering

Management, Energy system, Instrumentation & Signal Processing, Robotics & Automation, Nano- Technology.

- B.Tech: Mechatronics, Material Science & Engineering, Environment Engineering,
- Integrated MBA, Executive MBA
- Certificate Program: Management of Engineering Litigation
- Joint thesis and research projects with industry participation.
- Institutional Assistantships to promote PG and Doctoral Programmes
- External registration for doctoral programmes for working professionals



# 2

## THE INSTITUTE

- Historical Background **2.1**
- Location **2.2**
- Campus **2.3**
- Administration **2.4**
- Academic Programmes **2.5**
- Admission Procedure **2.6**
- Students **2.7**
- Examination and Evaluation **2.8**
- Hostels **2.9**
- Extra-curricular Activities **2.10**
- Training and Placement **2.11**
- Notable Achievements **2.12**

## 2. The Institute

### 2.1 Historical Background

Motilal Nehru National Institute of Technology Allahabad, Allahabad (MNNIT Allahabad) is an Institute with total commitment to quality and excellence in academic pursuits. It was established as one of the seventeen Regional Engineering Colleges of India in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh, and was an associated college of University of Allahabad, which is the third oldest university in India. For a short duration of two years (2000-2002), the Institute was affiliated to U.P. Technical University. With over 41 years of experience and achievements in the field of technical education, having traversed a long way, on June 26, 2002 MNREC was transformed into National Institute of Technology and Deemed University fully funded by Government of India. With the enactment of National Institutes of Technology Act-2007(29 of 2007), the Institute has been granted the status of institution of national importance w.e.f. 15.08.2007.

The Institute had begun with offering Bachelor Degree Programmes in Civil, Electrical and Mechanical Engineering. It was the first in the country to start an undergraduate programme in Computer Science & Engineering in 1976-77. Subsequently, in the year 1982-83 undergraduate programmes in Electronics Engineering and Production & Industrial Engineering and in the year 2000-01 Information technology were started. Further, in the year 2006-2007, two more undergraduate programmes in Chemical Engineering and Biotechnology were added.

The Mechanical Engineering Department introduced the first Master's Programme of the Institute in the year 1966. In all other Engineering Departments, Master's Programmes were introduced in the 1970-71. To add a new dimension to it the Institute established School of Management Studies in 1996, which offers a two-year / four semester post graduate degree programme in Management (MBA).

The Institute at present offers nine B.Tech, twenty five Masters Degree Programmes consisting of twenty-one M.Tech, MCA, MBA, M.Sc. (Mathematics and Scientific Computing), and M.S.W. programmes. Further some of the departments offer part time M.Tech in different areas of specialization for working professionals in and around Allahabad. Besides these, candidates are registered for the Ph.D. degree programme also. The Institute has been recognized by the Government of India as one of the centres for the Quality Improvement Programme for M.Tech. and Ph.D.

The Institute has a very progressive policy towards extending all possible facilities to its faculty members to

acquire higher degrees and receive advanced training. As a result, majority of the faculty members possess Ph.D. degrees. The entire campus is networked with National Knowledge Network (NKN) 1Gbps leases line and BSNL 50 Mbps lease line.

In the year 1972, the Institute initiated a self-employment project and established an industrial estate with 68 sheds with the objective of encouraging entrepreneurs and creating additional employment avenues.

The Institute was selected as a lead institution in the Design theme under Indo-UK REC Project (1994-99). Under this scheme a Design Centre was established. The Institute has been selected as a Lead Institution under World Bank funded Government of India Project on Technical Education Quality Improvement Programme (TEQIP) (2002-2007), and TEQIP phase 2 (2011-2014).

### 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.

The maximum and minimum temperature of the city ranges between 47°C and 4°C respectively. However, the normal temperature in summer ranges from 25°C to 47°C and in winter from 4°C to 20°C.

### 2.3 Campus

The Institute is spread over in 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:

1. Academic and Administrative Building, Banks, Sports field, Tennis Courts and Gymnasium, Hostel for P.G. Students and Multipurpose Hall.
2. Hostels for male students, Student Activity Centre and Industrial Estate.
3. Residential Area for faculty and staff, Executive Development Centre, Girl's hostel, International hostel and Dispensary.

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

The main building was inaugurated by another illustrious son of India, 2<sup>nd</sup> Prime Minister late Sri Lal Bahadur Shastri on 18<sup>th</sup> April, 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 Air Port.

## 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 /her 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 Masters Programmes (twenty-one M.Tech, MCA, MBA, M.Sc. and M.S.W.). It also offers doctoral programmes in all the disciplines of Engineering, Sciences, Management, Humanities and Social Sciences.

## 2.6 Admission Procedure

**B Tech.** - Admissions to B. Tech. programme are made on the basis of the rank in All India Engineering Entrance Examination (AIEEE) conducted by Central Board of Secondary Education (CBSE) and counseling conducted by the Central Counselling Board (CCB). Admissions are also made through Direct Admission to Students Aboard (DASA), ICCR, MEA etc. scheme quota.

**M.Tech.** - Admissions to the regular M. Tech. programme are made only on the basis of the GATE Score through Centralised Counselling 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 counseling conducted by the Institute. Further, admission 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) score and the GD/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.

**M.S.W.** - 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 the personal interview.

## 2.7 Students

The Institute intake in nine B. Tech. programmes is 814, whereas that for M. Tech. is 531, for MCA and MBA is 93 each and for M.Sc. and M.S.W. is 23 each. In addition around 40 students are admitted to Ph. D. programmes in different departments. Students from countries such as Sri Lanka, Nepal, Bangladesh, Mauritius, Malaysia, Iran, Yemen, Iraq, Palestine, Syria, Saudi Arabia and Thailand also join the Institute 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 as either full time or part time (off campus) candidates.

## 2.8 Examination and Evaluation

The examination process is a continuous, learning-oriented and transparent. Students' performance is evaluated on the basis of two midterm and one endterm examination for each course, along with teacher's assessment, which is based on attendance, submission of assignments and class participation. The Institute follows a grading system with nine 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.

Ninth Convocation of the Institute was held on 25-12-2012 in which a total 1177 degrees were conferred including 34 Ph.Ds. President of India Shri Pranab Mukherjee was the Chief Guest and delivered the convocation address.

## 2.9 Hostels

The Institute is a fully residential institution. At present, there are seven boys' hostels which are named after Purushottam Das Tandon, Madan Mohan Malviya, Bal Gangadhar Tilak, Sardar Vallabh Bhai Patel, Ravindra Nath Tagore, Sir C.V. Raman and Swami Vivekananda. Besides these boys hostels, one hostel 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 Incharge Boys' & Girls' Hostel and Wardens-I/Wardens-II.

## 2.10 Extra-Curricular Activities

The Institute provides ample avenues for the development and nurturing 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 games and outdoor games. Students are also encouraged and facilitated to take part in similar events in other institutions.

### Student Activity Centre (SAC)

The centre provides ample avenues for the development and nurturing of creative and other talents in the students. All the activities are managed by students under the guidance of President SAC and a team of Faculty In-Charge for various events. The prime activities are coordinated through following bodies.

### 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 the students in organizing and managing their functions. Gymkhana provides facilities for out-door games like Athletics, Cricket, Foot-ball, Hockey, Badminton, Basketball, Base-ball, Lawn-Tennis, Squash, Yoga-Exercise and Volley-ball 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

Students' club is divided into ten main sections. (a) Literary (b) Astronomy (c) Photography (d) Robotics (e) Modelling (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 2012-2013

Student Activity Centre, Motilal Nehru National Institute of Technology conducted not only number of curricular and extra-curricular activities for its students but also encouraged participation in various inter-college festivals and sport events.

Starting with "Avishkar" (7<sup>th</sup> to 9<sup>th</sup> November 2012), the annual technical festival of the Institute, the students are given undaunted opportunities to harness their skills and move forth with the entire creativeness they have. The aim of this festival was to instil in students the spirit of team work and the importance of hard work. Avishkar consisted of many events that include quiz, mock placement rounds, puzzles, abstract submissions, presentations, designing, and many others. The events for the second and third year students were branch specific but were open to all the first year students irrespective of their branch. The opening of Avishkar was marked by a panel talk known as 'GnoTalks' wherein great personalities and intellectual minds are invited to share their experience, knowledge and opinions with the students. An inter-college festival, Avishkar also brings about the opportunity to interact with the participants of other institutes and share technical knowledge at their own respective grades. The closing ceremony calls for a spectacular laser show. More than fifty events were held during the three day college festival in which students not only gain experience about different forms of tests, they gain knowledge as well and are able to carry themselves with as much confidence as they deserve.

The best aspect of the Student Activity Centre is that it creates an atmosphere where students realize the importance of sports is as much as the academics. The institute's sports festival "Josh and J. Lal" (28<sup>th</sup> February to 6<sup>th</sup> March 2013) brings about the sportsman spirit among the students. Many events including basketball, throw ball, cricket, football, volleyball, lawn tennis, kabbadi, kho kho and various indoor sports such as badminton, table tennis, carom, chess and various gym activities along with athletics



were conducted. Students from various colleges participate and compete amongst each other.

Apart from academics and sports, the Institute has always been keen upon harnessing the creative and lively aspect of cultural events among the students. "Culrav" (12<sup>th</sup> to 15<sup>th</sup> March), the annual cultural festival of the Institute brings about days of refreshment, where students take a break from books and give in their best towards their hobbies. From different forms of singing to different forms of dances, from literary events to treasure hunts and from fashion show to celebrity night, Culrav depicts the passion in students towards their *forte* in extra-curriculars. Famous people from various fields were invited to judge the competitions of their respective areas. 'Kavya Sndhya' saw an honoured presence of great personalities on stage. And the celebrity night witnessed the presence of *Give Me Some Sunshine* fame Suraj Jaggan. Students from across the nation participate in various events and a close inter-college bonding is established. Culrav, for MNNIT and its students is a time filled with lively spirits and enthusiasm as never before.

Not only the events that are held in college, but those to which the Institute gets invited are too taken with great enthusiasm. The preparations and training made compulsory, the faculty is closely involved in encouraging students to participate in different colleges. The best students are selected and taken in for various competitions. Be it "Antaragni" of IIT Kanpur, or "Springfest" of IIT Kharagpur, many students participated and won many events.

Students from MNNIT participated in various Dramatics and literary events at IIT Kharagpur's cultural fest named 'Spring-Fest'. IIT-KGP witnessed an active participation from our side in events of Nukkad(Dramatics), quizzing, journalism, debating and advertising of which MNNIT won in events of journalism, debating and advertisement.

Apart from the cultural and technical festivals, sports are also an essential participating area for the students of the institute.

The Inter-NIT Sports meet held at NIT Surathkal saw participation from 11 students including 4 girls. For the first time, MNNIT bagged away gold medals at the sports meet and one of the student won the title of Best Champion Athlete among Women. And the legacy of participation and winning continued with "Spardha" held at IIT-BHU where medals were won by the various participating teams of our institute.

The consortium of extracurricular talent does not stop with these various festivals. The institute has strived time and again to take all steps necessary to develop personalities

and groom each student into a unique being who can identify their worth themselves and are able to cope up with the pressures of society and competitions among fellow mates. For this, Students' Activity Centre has organized various personality development workshops and seminar, inviting some eminent personalities like Swami Nikhilatmanand, Swami Suvyakta Narsimha Das and Shri Ravi Raj ji. Philosophies of Swami Vivekanand are the central theme in these seminars for motivating students towards excellence. Spiritualism is inculcated in students, boosting up their morale and helping them fight and win in every walk of life.

Indian culture and art forms took centre-stage at MNNIT Allahabad as Society for Promotion of Indian Classical Music and Culture Amongst Youth (SPIC MACAY) began another chapter in its VIRASAT 2012 series. The stamped in dates for the event were 18th-22nd of April 2012. It's worth mentioning that for the first time in the history of all NITs SPIC Macay is organizing Virasat. The students were given an unmatched opportunity to rediscover the "kalakars" in them through various workshops in Vocals by Ustad Abdul Rashid Khan, Kathak by Sh. Rajendar Gangani, Calligraphy by Sh. Anees Siddiqui and Dhrupad by Prof. Ritwik Sanyal. They performed on the final day of Virasat amidst great connoisseurs of Indian art and music.

Over these five days the students were exposed to the very best of Indian heritage with maestros like Pt. Hariprasad Chaurasiya ji, Dr. Malabika Mitra, Vidushi Kavita Dwibedi, Pt. Bhajan Sapori, Vidushi Purnima Choudhuri, Pt. Debu Chaudhary, Vidushi Shruti Sadolikar, Pt. Ram Kumar Mishra, Pt. Rajendra Gangnani, Pt. Ritik Sanyal, Pt. Vishwa Mohan Bhatt, Ustaad Abdul Rashid Khan and many others. It provided the students an excellent opportunity to explore their culture and heritage through lectures, demonstrations, informal discussions, and seminars and inspire themselves through an elevating experience.

## 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 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 151 companies visit the Institute

during the year – 2012-13 for Campus Selection, including M.N.Cs., Public Sector, Defence and leading Private Sector Companies.

This year one of our student Ms. Priyanka Sehgal from Master of Computer Application (MCA) got a record offer of Rs. 57 Lakhs. (CTC) from Google Inc.

Besides this, the Department also arranges summer training Programme for students of B.Tech. 6<sup>th</sup> Semester and MBA 2<sup>nd</sup> Semester.

The following table gives the statistics of placement for the passing out batch 2012-13.

### For B.Tech. Courses.

Courses	No. of Eligible candidates	No. of selected students	No. of jobs offered	%age of placement
B.Tech. Biotechnology	15	8	9	53.33
B.Tech. Chemical Engg.	34	24	31	70.59
B.Tech. Civil Engineering	65	48	61	73.85
B.Tech. Comp.Sc. &Engg.	130	114	130	87.69
B.Tech. Electronics &CommnEngg.	118	90	128	76.27
B.Tech. Electrical Engg.	60	49	71	81.67
B.Tech. Information Technology	72	56	66	77.78
B.Tech. Mechanical Engg.	92	79	106	85.87
B.Tech. Production & Ind. Engg.	32	24	34	70.59
<b>Total</b>	618	492	636	79.61

### For M.Tech and other P.G. Programme

Courses	No. of Eligible students	No. of students selected	No. of jobs offered	%age of placement
MCA	70	56	75	80
MBA	77	21	24	27.27
M.Tech.(Over All)	368	150	173	41.55
MSC	9	-	0	-
MSW	6	1	1	16.66
<b>Total</b>	530	228	273	43.01

List of placed students is given in Annexure 6

## 2.12 Notable Achievements

The year has been highly fruitful in terms of academic achievements. The faculty members visited various countries as invited faculty and to attend international conferences. A total of 299 research papers were published in International Journals. 10 books were published by faculty during the year. Number of faculty members have received

national and international honours and awards. 24 Faculty member were invited to deliver talks and lectures. 40 research projects are undergoing in various departments. Large number of faculty attended conferences, workshops and seminars. A large number of guest lectures were organised for the benefit of students, from scholars of international repute.



*Virasat*





# 3

## GENERAL FACILITIES AND SERVICES

Computer Centre **3.1**

Mechanical Workshops **3.2**

Laboratories **3.3**

Centre for Interdisciplinary Research (CIR) **3.4**

Central Library **3.5**

School for Non-Formal and **3.6**

Continuing Education (SNFCE)

Institute Health Care Centre **3.7**

Vehicle Section **3.8**

Women Grievance Cell **3.9**

Alumni **3.10**

## 3. 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 Centre has acquired about 24 workstations in low, medium and high-end performance range with the latest software. These machines are networked on Institute Intranet with ten high end servers besides state of the art SUN Fire Server. There are fourteen mid end and low end servers also. The entire computing facilities of the campus of the institute are networked through optical fibre at a backbone band width of 1050 Gbps to share the resources. The Computer Centre is connected to Internet through 50 Mbps BSNL lease line and 1 Gbps NKN (provided by Railtel) lease line.

### 3.2 Mechanical Workshops

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 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> Semester of Mechanical and Production Engineering have to study 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 also fabricated and manufactured related to Ph. D. Mechanical Workshop provides facilities to all the departments of the Institute.

### 3.3 Laboratories

Department	Name of the lab
Applied Mechanics	<ol style="list-style-type: none"> <li>1. Engineering Mechanics</li> <li>2. Strength of Material</li> <li>3. Material Science</li> <li>4. Structural Analysis</li> <li>5. Compressible Flow</li> <li>6. Fluid Mechanics and Hydraulics</li> <li>7. Biomedical Engineering</li> <li>8. DST-FIST Computational (PG)</li> <li>9. Computational (PG)</li> <li>10. Robotics</li> </ol>
Biotechnology	<ol style="list-style-type: none"> <li>1. Microbiology/ Microbial Technology</li> <li>2. Biochemistry/ Biophysics and Structural Biology</li> <li>3. Animal Biotechnology/ Plant Biotechnology</li> <li>4. Molecular Biology/ Immunology, Genetic Engineering</li> <li>5. Bioprocess and Plant Design/ Biochemical Engineering</li> <li>6. Bioinformatics</li> </ol>

Department	Name of the lab
Civil Engineering	<ol style="list-style-type: none"> <li>1. Transportation Engineering</li> <li>2. Survey</li> <li>3. Environmental Engineering</li> <li>4. Structural Testing</li> <li>5. Computer Aided Design (CAD)</li> <li>5. Geotechnical Engineering</li> </ol>
Computer Science and Engineering	<ol style="list-style-type: none"> <li>1. Information Security</li> <li>2. Vision</li> <li>3. Laboratory for Post Graduate</li> <li>4. Computer System</li> <li>5. Computer Programming</li> <li>6. Software Testing</li> <li>7. SOA/ Distributed Computing</li> </ol>
Electrical Engineering	<ol style="list-style-type: none"> <li>1. Control</li> <li>2. Research</li> <li>3. Design &amp; Fabrication</li> <li>4. Virtual Instrumentation</li> <li>5. Design Fabrication</li> <li>6. Electrical Measurement</li> <li>7. Computer and Simulation</li> <li>8. Power Electronics</li> <li>9. Electrical Machines</li> </ol>
Electronics Engineering	<ol style="list-style-type: none"> <li>1. Basic Electronics</li> <li>2. Advanced Electronics</li> <li>3. VLSI</li> <li>4. Computer Architecture</li> <li>5. Communication</li> <li>6. Project and PCB</li> <li>7. Microwave</li> <li>8. PARAM</li> </ol>

Department	Name of the lab
Mechanical Engineering	<ol style="list-style-type: none"> <li>1. Refrigeration &amp; NC</li> <li>2. I.C. Engines</li> <li>3. Steam Power Engineering</li> <li>4. Automobile Engineering</li> <li>5. Instrumentation</li> <li>6. Machine Element</li> <li>7. Heat and Mass Transfer</li> <li>8. CAM</li> <li>9. Foundry and Plastic</li> <li>10. Metrology</li> <li>11. Machine Tool and Advanced Machine</li> <li>12. EDM</li> <li>13. CAD</li> <li>14. Drawing Office</li> <li>15. Computational Research</li> <li>16. PDM</li> <li>17. Mechatronics</li> </ol>
Chemical Engineering	<ol style="list-style-type: none"> <li>1. Fluid Particle Mechanics and Mechanical Operation</li> <li>2. Process Dynamics and Control</li> <li>3. Chemical Reaction and Engineering</li> <li>4. Mass Transfer</li> <li>5. Chemical Technology</li> <li>6. Environmental Process Monitoring and Control</li> <li>7. Computer Aided Design (CAD)</li> </ol>
Chemistry	<ol style="list-style-type: none"> <li>1. Undergraduate Chemistry</li> </ol>
Physics	<ol style="list-style-type: none"> <li>1. Undergraduate Physics</li> </ol>
HSS	<ol style="list-style-type: none"> <li>1. Language</li> </ol>
SMS	<ol style="list-style-type: none"> <li>1. Digital Management</li> <li>2. Behaviour Dynamics</li> </ol>
GIS Cell	GIS



### 3.4 Centre for Interdisciplinary Research (CIR)

The Centre for Interdisciplinary Research (CIR) was established in 2012 by Prof. P. Chakrabarti Director, MNNIT Allahabad, with his vision for the rapid developments in the field of Science and Technology research, CIR has been established in the institute to strive hard and to keep pace with current cutting edge research.

One of the primary objectives of MNNIT is to provide best research and analytical facilities, in the institute for its entire undergraduate, postgraduate, research scholars and faculty. With this vision the CIR is being successfully operating in the institute and is serving students from all over the county. The functioning of CIR is being coordinated by a core committee and a technical committee nominated by the Director of the institute. The CIR has been established with the following vision:

1. To provide central instrumentation facilities to students and faculties for carrying out characterization and measurements studies for their research.
2. To provide the state-of-art facility for the young scientists to carry out their research work smoothly and simultaneously to promote patents in the field of technology.
3. To encourage research projects aimed at the development of new devices, techniques and tools.
4. To organize short-term courses/workshops on the use and application of various instruments and techniques for undergraduates, postgraduates, research students and faculties.

### 3.5 Central Library

An area of about **2455.49 sqm.** has been occupied by the present Library building. It contains a Reading Hall 388 sq.m in which **100** readers can be accommodated at a time, a Stack-room of 470.42 sq.m having a collection of about 95,101 approx books. 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 159 periodicals are being subscribed annually at a cost of **Rs. 1,75,21344-00** approx. also having a sitting capacity of **40** readers at a time.

#### Membership

The membership of the Central Library is open to students, teachers and the other administrative and technical officer and staff of the institute. The present membership is about 4950.

#### Working Hours

The Library working hours are from 9.00 am to 12.00 midnight. The circulation section remains open between 09-30 am to 08-30 pm on week days. On Saturdays / Sundays will remain open during 10-30 am to 1-45 pm. A total to 39,875 approx books were transacted during the year.

#### Collection as on 31-3-2013

Bound periodicals	15,331
Books and other reading material	95,101
<b>Total</b>	<b>1,10,432</b>

#### Additional during the year

Book and other reading material	761
<b>Total</b>	<b>761</b>

#### Journals

During the current year the library subscribed 133 journals (International-100 + National-33 ).

#### News Paper and Magazine

Newspaper and Magazine corner is located in the First floor of Library. The Library subscribes 12 newspapers (05 Hindi + 07 English) and 10 popular magazines on different topics.

#### Internet Access Facility

The Central Library provides 25 internet connections to its user and majority of students frequently use on-line journals 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, 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.

#### Online Public Access Catalogue (OPAC)

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

## Library Subscribe the following e-Resources also.

Sl.No.	e-Resources
1.	Science Direct Back files ( Year 1995 and onwards ) Engineering and Technology
2.	Lecturer Notes on Computer Science from Springer
3.	CMIE
4.	Emerald extra 175
5.	International Journal of Control
6.	ASTM Standard
7.	Journals of Nanoelectronics and Optoelectronics
8.	Journal of Vacuum Science and Technology

## Online Journals

The following online journals are available from INDEST –AICTE consortium.

Sl.No.	Full-Text Database
1.	ACM Digital Library
2.	ASCE Journals
3.	ASME Journals
4.	Elsevier Science Direct
5.	IEEE/IEE Electronic Library online (IEL)
6.	Indian standards (Intranet version)
7.	Springer Verlags Link
8.	Nature

## 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 Students by making textbooks available to them from the Book bank for largest duration. About 3528 students were benefited by this scheme and 9645 books were issued during the year.

## SC/ST Book bank

Under centrally sponsored scheme for SC/ST students a total of 80 student of U.G. courses were benefited by this scheme and 480 books issued to them. Under this scheme no rent is charged from the SC/ST students.

## 3.6 School for Non-Formal and Continuing Education(SNFCE)

The Institute offers the opportunity to working engineers in and around Allahabad employed with Industries, Govt. Departments, and Educational Institutions & 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 improvement

of qualifications of the working professionals and faculty members of the government/Private technical Institute. The classes for these courses were organised in the evening. The M.Tech. Courses available are listed in the guide under the head of academic activities.

The actual number of courses for the particular session to be offered shall be announced through the news papers along with the other details of application.

It is a self supporting unit within the Institute and participates in organising of seminars, conferences, symposia etc. This unit also organises short term courses. Training programs are also being offered 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 programs as well as executive development programs 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.

M.Tech (Part-Time) programmes are run under the school for Non Formal and Continuing Education (SNFCE). These programmes are of 03 years/06 semester duration out of which 02 years are for course work and one year for Thesis/Dissertation/Projects. These courses are offered to working professionals who are working in and around Allahabad city. 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.

### 3.7 Institute Health Care Centre

It is an outpatient Health Centre catering to the medical needs of students and staff & their dependents. It is managed by the software developed at the institute.

This year an in-house pathology laboratory is developed and physiotherapy unit is upgraded.

#### Timing of Health Centre is

All working days of institute: From 8.00 am to 8.00 p.m.

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

### Facilities available are

Consultation & Dispensing of medicines to students, staff & their dependents.

- Special facilities of E.C.G., sugar testing by Glucometer
- Services of Dental surgeon, Orthopedic surgeon, Ophthalmic surgeon, Skin specialists, Gynecologist are available on different days.
- Homeopathic medicines also being provided under consultation of Homeopathic consultant.
- Physiotherapist is also available for all type of physiotherapy.
- Organization of different camps and talks for benefit and awareness of masses for diseases like Hepatitis, AIDS, Asthma; Diabetes and Arthritis.

Presently all the works at dispensary are carried out by following staff:

### Medical Officer I/C

Dr. Shailendra Kumar Mishra

#### • Part Time General Doctors

Dr. K. K. Dwivedi	-	Modern Medicine
Dr. Anish Bhatnagar	-	Modern Medicine
Dr. K. K. Singh	-	Homeopathic Medicine
Dr. Sunil Kumar Singh	-	Modern Medicine
Dr. Sadhana Dwivedi	-	Lady doctor Modern Medicine
Dr. Sirley Paulson	-	Lady doctor Modern Medicine
Dr. Sanjay Baranwal	-	Ayurvedic Medicine
Dr. Ranjana Tiwari	-	Ayurvedic Medicine
Dr. P. Upadhyay	-	Dentist
Dr. Ashish Agarwal	-	Dentist

#### • Part Time Specialist Doctors

Dr. Geeta Shukla	-	Cardiologist
Dr. A. Hashmat	-	Orthopedic Surgeon
Dr. Nishant Nigam	-	Skin specialist
Dr. S.K. Agarwal	-	E.N.T Surgeon
Dr. Sadhana Pandey	-	Gynecologists

- **Physiotherapy**

Physiotherapy is conducted under supervision of physiotherapist Mr. Chadhari Mohd Sohab and Mr. Vijay Mauraya.

- **Compounders**

Three compounders are managing complete dispensing of medicines & assisting specialist' doctors, during dispensary hours.

- **Dressers**

Two dressers are there to help in dressing injections and miscellaneous work of Dispensary during dispensary hours.

- **Nurse**

Two Nurses are there to help Gynaecologist and for miscellaneous work.

Besides the regular work, health care centre organized Health Workshop on August 14-15, 2012 and blood donation camp on August 15, 2012

availing this facility and requisition slip is provided on the Intranet of the Institute.

- Ambulance facility is free of cost to student and for staff and faculty members it is on subsidized rate of Rs. 5.00/km.

### Bus Service For Students

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

- Institute (MP Hall) to Civil Lines via Anand Bhawan →Balsan Crossing→ Medical College Crossing →Indira Bhawan Crossing →Patthar Girija Ghar (Stone Church, Civil Lines).
- Return by following 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	11.00AM	12.30PM
2	02.30PM	03.30PM
3	05.00PM	07.30PM
4	08.30PM	09.30PM

For Monday to Friday

Trip No.	From Institute	From Civil Lines
1	06.00PM	07.00PM
2	07.30PM	08.00PM
3	08.30PM	09.30PM

**Stoppage:** Ganga gate, Crossing for Prayag Station, Anand Bhawan, Medical College Crossing, P.D. Tondon Park Crossing, Indira Bhawan Crossing, Stone Church Crossing.

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

### Human Resource

Three full time drivers are there in vehicle section. For rest services manpower is hired through Manpower Providing Agency.

## 3.8 Vehicle Section

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

Car 3

MUV

BUS (52 Seater) 2

BUS (32 Seater)

Ambulance

### Facilities Provided

- Bus facility is provided to the students from Institute to Civil Lines on all week days.
- Buses are also provided for educational tour of students.
- Bus facility is provided to wards of staff and faculty remembers to some select schools on select routes on subsidized rates.
- Vehicles are also provided for any official visit provided approved by the competent authority. Requisition slip is provided on Intranet of the Institute.
- Vehicle is also provided to staff and faculty members for picking and dropping to Railway station, Bus stand and Airport on payment basis. The guidelines for

### 3.9 Women Grievance Cell

Women Grievance Cell has been constituted in accordance to the guidelines issued by Government of India to consider complains related to any sexual discrimination/ harassment of women in the institute.

### 3.10 Alumni

Institute alumni have been bringing laurels to the nation on various forums. Many of its alumni have headed the public sector giants in the country. Magsaysay Award winner Shri

Deep Joshi is also an alumnus of MNNIT Allahabad. The industry too has well received the products of the Institute by offering attractive packages; the recruiters include, multinational giants like Facebook, Amazon, Oracle, Microsoft, Indian corporate houses and public sector Navratnas like GAIL, Coal India, IOC.

Alumni Convention - 2012 was held on November 03-04, 2012. Two Executive Committee Meetings and a Press Conference were also organized this year.



# 4

## ADMINISTRATIVE BODIES

Board of Governors **4.1**

Finance Committee **4.2**

Building and Works Committee **4.3**

Senate **4.4**



## 4. Administrative Bodies

### 4.1 Board of Governors

**Constitution of the Board of Governors as per Section 11 NIT Act 2007**

(29 of 2007)

#### The Chairperson to be Nominated by the Visitor

1. **Dr. V.K. Saraswat** *Chairman*  
Scientific Adviser to Defence Minister  
& Secretary, Department of Defence R & D, DRDO  
New Delhi.

#### The Director, ex-officio

2. **Prof. P. Chakrabarti** *Member*  
Director  
Motilal Nehru National Institute of Technology  
Allahabad

**Two persons not below the rank Joint Secretary to the India to nominated by the Central Government from amongst person of Technical education and finance :**

3. **The Additional Secretary (Technical Education)** *Member*  
Government of India  
Ministry of Human Resource Development  
New Delhi
4. **The Financial Advisor** *Member*  
Integrated Finance Division  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
New Delhi

#### Two persons nominated by the Government of U.P.

5. **Director** *Member*  
Harcourt Butler Technological Institute  
Kanpur
6. **Director** *Member*  
Kamla Nehru Institute of Technology  
Sultanpur

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

7. **Prof. Ashutosh Sharma** *Member*  
Professor,  
Department of Chemical Engineering  
Indian Institute of Technology  
Kanpur
8. **Dr. T.S. Rama Devi** *Member*  
Group Director  
I.S.R.O. Martial System Unit  
IISU Complex, Vathiyoarkava  
P.O. Thiruvanthapuram

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

9. **Dr. S.K. Agarwal** *Member*  
Professor,  
Department of Mechanical Engineering  
Motilal Nehru National Institute of Technology  
Allahabad
10. **Mr. Deepesh Tiwari** *Member*  
Assistant Professor  
Industry Institute Interaction Cell  
Motilal Nehru National Institute of Technology  
Allahabad

#### Registrar of the Institute as Ex-officio Secretary

11. **Dr. Sarvesh K. Tiwari** *Secretary*  
Registrar  
Motilal Nehru National Institute of Technology  
Allahabad

**Three meetings of the Board of Governors were held during the year 2012-13**

### 4.2 Finance Committee

**Constitution of the Finance Committee as per Statutes 10 of the First Statutes of NITs**

#### The Chairperson Board of Governors, ex-officio Chairman

1. **Dr. V.K. Saraswat** *Chairman*  
Scientific Adviser to Defence Minister  
& Secretary, Department of Defence R & D, DRDO  
New Delhi.



#### Director, Ex officio, member

2. **Prof. P. Chakrabarti** *Member*  
Director  
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

3. **The Joint Secretary (Technical Education)** *Member*  
Government of India  
Ministry of Human Resource Development  
New Delhi
4. **The Financial Advisor** *Member*  
Integrated Finance Division  
Ministry of Human Resource Development  
Government of India  
New Delhi

#### Two persons nominated by the Board amongst its members

5. **Prof. Ashutosh Sharma** *Member*  
Professor  
Department of Chemical Engineering  
Indian Institute of Technology  
Kanpur
6. **The Director** *Member*  
Harcourt Butler Technical Institute  
Kanpur

#### The Registrar, Ex-officio Member Secretary

7. **Dr. Sarvesh K. Tiwari** *Member Secretary*  
Registrar  
Motilal Nehru National Institute of Technology  
Allahabad

Three meetings of the Finance Committee were held during the year 2012-2013

## 4.3 Building and Works Committee

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

#### The Director, Ex-officio, the Chairman of the Committee

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

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

1. **The Director (NITs)** *Member*  
(Deptt. of Higher Education),  
Ministry of Human Resource Development  
New Delhi

#### One member nominated by the Board of Governors

2. **The Superintending Engineer** *Member*  
Indian Institute of Technology  
Kanpur

#### Dean (Planning and Development) or similar position

3. **Prof. R.K. Srivastava** *Member*  
Dean (Planning & Development)  
Motilal Nehru National Institute of Technology  
Allahabad

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

4. **The Executive Engineer (Civil)** *Member*  
Allahabad Central Division  
CPWD, Allahabad
5. **The Executive Engineer (Electrical)** *Member*  
Allahabad Central Division  
CPWD, Allahabad

#### Registrar, ex-officio Member Secretary

6. **Dr. Sarvesh K. Tiwari** *Member Secretary*  
Registrar  
Motilal Nehru National Institute of Technology  
Allahabad
7. **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 2012-2013

## 4.4 Senate

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

**The Director, ex-officio, who shall be the Chairman of the Senate**

1. Prof. P. Chakrabarti, Director *Chairman*

**The Deputy Director, Ex-officio**

1. Deputy Director (Vacant) *Member*

**The Professors appointed or recognised as such by the Institute for the purpose of imparting instructions in the Institute**

1. Dr. B.D. Chaudhary, Professor, CSED *Member*
2. Dr. S.K. Agrawal, Professor, MED *Member*
3. Dr. Satya Sheel, Professor, EED *Member*
4. Dr. A.K. Misra, Professor, CSED *Member*
5. Dr. I.K. Bhat, Professor, AMD *Member*  
[On Leave]
6. Dr. R.K. Srivastava, Professor, CED *Member*
7. Dr. S. C. Prasad, Professor, CED *Member*
8. Dr. Rakesh Mathur, Professor, AMD *Member*
9. Dr. P.K. Mishra, Professor, MED *Member*
10. Dr. Sudarshan Tiwari, Professor, ECED *Member*  
[On Leave]
11. Dr. S. K. Duggal, Professor, CED *Member*
12. Dr. K. M. Gupta, Professor, AMD *Member*
13. Dr. P.R. Agrawal, Professor, SMS *Member*
14. Dr. Nirjhar Roy, Professor, MED *Member*
15. Dr. Vineeta Agarwal, Professor, EED *Member*
16. Dr. Dinesh Chandra, Professor, EED *Member*
17. Dr. R. K. Srivastava, Professor, MED *Member*
18. Dr. Peetam Singh, Professor, *Member*  
Mathematics
19. Dr. Rajeev Tripathi, Professor, ECED *Member*
20. Dr. M.M. Gore, Professor, CSED *Member*
21. Dr. K.K. Shukla, Professor, AMD *Member*
22. Dr. Rakesh Narian, Professor, MED *Member*
23. Dr. Anuj Jain, Professor, AMD *Member*
24. Dr. N.D. Pandey, Professor, Chemistry *Member*
25. Dr. Suneeta Agarwal, Professor, CSED *Member*
26. Dr. Geetika, Professor, SMS *Member*
27. Dr. R.P. Tiwari, Professor, CED *Member*
28. Dr. R.K. Singh, Professor, EED *Member*
29. Dr. Haranath Kar, Professor, ECED *Member*
30. Dr. Vinod Yadava, Professor, MED *Member*
31. Dr. P.K. Dutta, Professor, Chemistry *Member*
32. Dr. Anil Kumar Sachan, Professor, CED *Member*
33. Dr. P.P. Sahay, Professor, Physics *Member*
34. Dr. M.D. Singh, Professor, MED *Member*
35. Dr. A.K.Singh, Professor, CED *Member*
36. Dr. R. D. Gupta, Professor, CED *Member*
37. Dr. A. D. Bhatt, Professor, MED *Member*
38. Dr. Sanjay Chaubey, Professor, Physics *Member*
39. Dr. Mahendra Kumar, Professor, *Member*  
Physics
40. Dr. R. K. Tripathi, Professor, EED *Member*
41. Dr. R. S. Yadav, Professor, CSED *Member*
42. Dr. V. K. Srivastava, Professor, ECED *Member*
43. Dr. R. C. Vaishya, Professor, CED *Member*
44. Dr. Ram Pal Singh, Professor, CED *Member*
45. Dr. Niroj Banerjee, Professor, HSS *Member*
46. Dr. H. S .Goyal, Professor, MED *Member*
47. Dr. VijayaBhdauria, Professor, ECED *Member*
48. Dr. NeerajTyagi, Professor, CSED *Member*
49. Dr. Ravi Prakash, Professor, MED *Member*
50. Dr. Amit Dhawan, Professor, ECED. *Member*
51. Dr. Shubhi Purwar, Professor, EED *Member*
52. Dr. Shiv Dutt Kumar, Professor, *Member*  
Mathematics
53. Dr. S.S. Narvi, Professor, Chemistry *Member*
54. Dr. K. N. Pandey, Professor, MED *Member*
55. Dr. R. K. Nagaria, Professor, ECED *Member*
56. Dr. P.K. Mehta, Professor, CED *Member*

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** *Member*

Professor 'H'  
Department of Physics  
Harish-Chandra Research Institute  
Chhatnag Road, Jhansi  
Allahabad

**2. Prof. S. N. Singh** *Member*

Professor  
Department of Electrical Engineering  
Indian Institute of Technology Kanpur  
Kanpur

**3. Prof. Partha Basu** *Member*

Professor  
Department of Humanities & Social Sciences  
Indian Institute of Technology Kharagpur  
Kharagpur

**Registrar, Secretary of the Senate [Section 18(2) of the NIT Act]**

**1. Dr. Sarvesh K. Tiwari,** *Secretary*

Registrar  
Motilal Nehru National Institute of Technology  
Allahabad

**Four meetings of the Senate were held during the year 2012-2013**



# 5

## THE STAFF

Academic Staff **5.1**

Administrative Officers **5.2**

Technical Staff **5.3**

Ministerial Staff **5.4**

Supporting Staff **5.5**

New Recruitments **5.6**

# 5. The Staff

## 5.1 Academic Staff

### Head of Institution

Prof. P. Chakarbarti *Director*

#### List of Professors

Sl. No.	Name	Department	Remarks
1.	Dr. B.D. Chaudhary	CSED	
2.	Dr. S.K. Agrawal	MED	
3.	Dr. Satya Sheel	EED	(Retired on 31.08.2012)
4.	Dr. A.K. Misra	CSED	
5.	Dr. I.K. Bhat <b>[On Leave]</b>	AMD	(on deputation leave for 5 years)
6.	Dr. R.K. Srivastava	CED	
7.	Dr. S. C. Prasad	CED	(Retired on 31.01.2013)
8.	Dr. Rakesh Mathur	AMD	
9.	Dr. P.K. Mishra	MED	
10.	Dr. Sudarshan Tiwari <b>[On Leave]</b>	ECED	(on deputation leave for 5 years)
11.	Dr. S. K. Duggal	CED	
12.	Dr. K. M. Gupta,	AMD	
13.	Dr. P.R. Agrawal	SMS	
14.	Dr. Nirjhar Roy	MED	
15.	Dr. Vineeta Agarwal	EED	
16.	Dr. Dinesh Chandra	EED	
17.	Dr. R. K. Srivastava	MED	
18.	Dr. Peetam Singh	Mathematics	
19.	Dr. Rajeev Tripathi	ECED	
20.	Dr. M.M. Gore	CSED	
21.	Dr. K.K. Shukla	AMD	
22.	Dr. Rakesh Narian	MED	
23.	Dr. Anuj Jain	AMD	
24.	Dr. N.D. Pandey	Chemistry	
25.	Dr. Suneeta Agarwal	CSED	
26.	Dr. Geetika	SMS	
27.	Dr. R.P. Tiwari	CED	
28.	Dr. R.K.Singh	EED	
29.	Dr. Haranath Kar	ECED	
30.	Dr. Vinod Yadava	MED	
31.	Dr. P.K. Dutta	Chemistry	
32.	Dr. Anil Kumar Sachan	CED	

Sl. No.	Name	Department	Remarks
33.	Dr. P.P. Sahay	Physics	
34.	Dr. M.D. Singh	MED	
35.	Dr. A.K. Singh	CED	
36.	Dr. R. D. Gupta	CED	
37.	Dr. A. D. Bhatt	MED	
38.	Dr. Sanjay Chaubey	Physics	
39.	Dr. Mahendra Kumar	Physics	
40.	Dr. R. K. Tripathi	EED	
41.	Dr. R. S. Yadav	CSED	
42.	Dr. V. K. Srivastava	ECED	
43.	Dr. R. C. Vaishya	CED	
44.	Dr. Ram Pal Singh	CED	
45.	Dr. Niroj Banerjee	HSS	
46.	Dr. H.S. Goyal	MED	
47.	Dr. Vijaya Bhauria	ECED	
48.	Dr. Neeraj Tyagi	CSED	
49.	Dr. Ravi Prakash	MED	
50.	Dr. Amit Dhawan	ECED.	
51.	Dr. ShubhiPurwar	EED	
52.	Dr. Shiv Dutt Kumar	Mathematics	
53.	Dr. S.S. Narvi	Chemistry	
54.	Dr. K. N. Pandey	MED	
55.	Dr. R. K. Nagaria	ECED	
56.	Dr. P.K. Mehta	CED	

### List of Associate Professors

Sl. No.	Name	Department	Remarks
1.	Sri. Y. K . Gupta	CED	
2.	Dr. S. K. Poddar	MED	
3.	Sri Anirudh Narain	EED	
4.	Dr. L K Mishra	CED	
5.	Dr. Mukul Shukla	MED	
6.	Dr. Paulson Samuel	EED	
7.	Dr. Sanjeev Sinha	MED	(VRS w.e.f. 09.10.2012)
8.	Dr. S N Pandey	Physics	
9.	Dr. Tanuj Nandan	SMS	
10.	Dr. Pankaj Srivastav	Mathematics	
11.	Sri Rajesh Tripathi	CSED	
12.	Dr. Asheesh Kumar Singh	EED	

Sl. No.	Name	Department	Remarks
13.	Dr. Rajesh Gupta	EED	
14.	Dr. Ganesh Pd. Sahu	SMS	
15.	Dr. Rakesh Kumar	CED	
16.	Dr. Manoj Kumar	Mathematics	
17.	Dr. D. S. Kushawaha	CSED	
18.	Dr. Sadhana Sachan	Chemical	
19.	Dr. G. K. Mehrotra	Chemistry	
20.	Dr. Rajeev Srivastava	MED	
21.	Dr. Raj Mohan Singh	CED	
22.	Dr. Nand Kishor	EED	
23.	Dr. Shivesh Sharma	Biotechnology	
24.	Mr. Deepaish Tiwari	III Cell	
25.	Dr. Avanish Kumar Dubey	MED	
26.	Dr. Vijay Shankar Tripathi	ECED	
27.	Dr. Ram Awadh Mishra	ECED	
28.	Dr. Ambalika Sinha	HSS	
29.	Dr. Arvind Agrawal	Physics	
30.	Dr. Ravi Prakash Tiwari	AMD	
31.	Dr. Anil Kumar Singh	CSED	
32.	Sri Manoj Wairiya	CSED	
33.	Sri D.K. Yadav	CSED	
34.	Dr. S.J. Pawar	AMD	
35.	Mrs. Richa Negi	EED	
36.	Dr. M.K. Khurana	MED	
37.	Dr. S. N. Pandey	Mathematics	
38.	Dr. Anjana Pandey	Biotechnology	

### List of Assistant Professors

Sl. No.	Name	Department	Remarks
1.	Dr. Audhesh Narain	MED	
2.	Dr. Samir Saraswati	MED	
3.	Mrs. Vandana Agrawal	MED	
4.	Dr. Tripti Singh	SMS	
5.	Dr. Rajesh K. Shastri	HSS	
6.	Mr. Asim Mukharjee	ECED	
7.	Dr. Sumedha Chakma	CED	
8.	Dr. Kumar Venkatesh	CED	



Sl. No.	Name	Department	Remarks
9.	Dr. Mayank Pandey	CSED	
10.	Dr. Ramesh Pandey	AMD	
11.	Dr. Mukesh Kumar	Mathematics	
12.	Dr. S. Bholanath Mishra	MED	
13.	Dr. Sangeeta Negi	Biotechnology	
14.	Dr. Vishnu Agarwal	Biotechnology	
15.	Dr. Nand Kumar Singh	Biotechnology	
16.	Dr. Hemant Kumar Pandey	CED	
17.	Dr. Sushil Kumar	Chemical Engg.	
18.	Sri Anoj Kumar	CSED	
19.	Mr. Arvind Kumar	ECED	
20.	Mr. Sandeep K. Harit	CSED	
21.	Sri Rajeev Gupta	ECED	
22.	Dr. Gautam Ghosh	CED	
23.	Dr. V. Krishna Rao	ECED	
24.	Dr. Sahadev Padhye	Mathematics	
25.	Dr. Mohd Siraj Alam	Chemical Engg.	
26.	Dr. Tamal Ghosh	Chemistry	
27.	Dr. Venketeshwara Rao Koma	MED	
28.	Dr. Akshoy Ranjan Paul	AMD	
29.	Mr. Abhishek Kumar	AMD	
30.	Dr. Pitam Singh	Mathematics	
31.	Mr. Nitin Singh	EED	
32.	Dr. Ashutosh Pandey	Chemistry	
33.	Dr. Naresh Kumar	Physics	
34.	Dr. S.R. Mohanty	EED	
35.	Dr. Priya Ranjan Pal	CED	
36.	Dr. Nek Ram Rawal	CED	
37.	Dr. Animesh Kumar Ojha	Physics	
38.	Dr. Praveen Kumar Agrawal	MED	
39.	Dr. Jyotsana Sinha	HSS	
40.	Dr. Ravindra Tripathi	HSS	
41.	Dr. Piyali Ghosh	SMS	
42.	Dr. Vibhuti Tripathi	SMS	
43.	Dr. Rabindra Kumar Patel	MED	
44.	Dr. Dharmendra K. Shukla	MED	
45.	Dr. Manisha Sachan	Biotechnology	
46.	Dr. Seema Nara	Biotechnology	

Sl. No.	Name	Department	Remarks
47.	Dr. Shalinee Shukla	CED	
48.	Dr. Varun Singh	CED	
49.	Dr. Rama Shankar	CED	
50.	Dr. Basant Kumar	ECED	
51.	Dr. Anindya Bhar	AMD	
52.	Dr. Ankur Gaur	Chemical Engg.	
53.	Dr. Ashutosh Mani	Biotechnology	
54.	Dr. ArunPrakash	ECED	
55.	Dr. Radha Rani Mewaram	Biotechnology	
56.	Dr. Ambak Kumar Rai	Biotechnology	
57.	Dr. Shweta Tripathi	ECED	
58.	Dr. Pragya Shandilya	MED	
59.	Dr. Gorakh Nath	Mathematics	
60.	Dr. Yogendra Kumar Prajapati	ECED	
61.	Dr. Rahul Dev	MED	
62.	Dr. Buddakkagari Vasu	Mathematics	
63.	Dr. Harinder Singh	Chemical Engg.	
64.	Dr. Sameer Srivastava	Biotechnology	
65.	Dr. Sanjay Kumar	Biotechnology	
66.	Dr. Pramod Kumar Yadav	Mathematics	
67.	Dr. Jagadish Chandra Mohanta	MED	
68.	Dr. Ashish Nivrittinath Sawarkar	Chemical Engg.	
69.	Dr. Kumar Pallav	CED	
70.	Dr. V. Murari	AMD	
71.	Dr. Surabhi Tiwari	Mathematics	
72.	Dr. Debolina Basu	CED	
73.	Dr. Manish Gupta	MED	
74.	Dr. Manish Tiwari	ECED	
75.	Dr. Vachan Singh Meena	Biotechnology	
76.	Dr. Karuppanan P.	ECED	

### List of Assistant Professors (On Contract)

Sl. No.	Name	Department	Remarks
1.	Mr. Ajaya Bharti	AMD	
2.	Mr. Ashutosh K. Upadhaya	AMD	
3.	Ms. Ritu Arya	Chemical	
4.	Ms. Sarika Kalra	EED	
5.	Mr. Krishna Kumar Mishra	CSED	
6.	Mr. Sanjeev Rai	ECED	
7.	Mr. Ranvijay	CSED	

Sl. No.	Name	Department	Remarks
8.	Mr. Navneet Kumar Singh	EED	
9.	Ms. Sonam Agarwal	GIS	
10.	Mr. Vadthiya Narendar	ECED	
11.	Mr. Anupam Rawat	CED	
12.	Mr. Rupesh Kumar Dewang	CSED	
13.	Ms. Santi Kumari Behera	CSED	
14.	Mr. Manoj Kumar Gupta	MED	
15.	Mr. Ramji Dwivedi	GIS	
16.	Mr. Deepak Kumar	EED	
17.	Mr. Vijay Kumar	CED	
18.	Ms. Pragya Dwivedi	CSED	
19.	Mr. Sunil Kumar Gupta	MED	
20.	Mr. Jitendra Narayan Gangwar	MED	
21.	Mr. Divya Kumar	CSED	
22.	Mr. Dushyant Kumar Singh	CSED	
23.	Mr. Manohar Yadav	GIS	
24.	Mr. Vishwajeet Pratap Singh	CED	
25.	Mr. Dinesh Singh	CSED	
26.	Mr. Mohammad Kaifi	ECED	
27.	Mr. Kuldir Singh Bhati	MED	
28.	Mr. Shashank Srivastava	CSED	
29.	Ms. Shashwati Banerjea	CSED	
30.	Mr. Shabih-Ul-Hasan	Chemical Engg.	
31.	Mr. Bireswar Paul	MED	
32.	Mr. Suantak Kamsonlian	Chemical Engg.	
33.	Ms. Rajitha B.	CSED	
34.	Mr. Niraj Kumar Choudhary	EED	
35.	Mr. M. Venkatesh Naik	EED	
36.	Mr. Vivek Kumar Patel	AMD	
37.	Mr. Bhore Skylab Pavalas	MED	
38.	Mr. Santosh Kumar Gupta	ECED	
39.	Mr. Binayaka Nahak	MED	

### List of Head of Departments

Sl.No.	Name	Department	Remarks
1.	Prof. K. K. Shukla	Applied Mechanics	
2.	(i) Prof. A. D. Bhatt	Biotechnology	upto 16.10.2012
	(ii) Dr. Shivesh Sharma	Biotechnology	w.e.f. 17.10.2012

Sl.No.	Name	Department	Remarks
3.	(i) Prof. N. D. Pandey	Chemistry	upto 08.04.2012
	(ii) Prof. P. K. Dutta	Chemistry	w.e.f. 09.04.2012
4.	(i) Prof. N. D. Pandey	Chemical Engineering	upto 16.10.2012
	(ii) Prof. V. K. Srivastava	Chemical Engineering	w.e.f. 17.10.2012
5.	(i) Prof. M. M. Gore	Computer Science & Engineering	Upto 30.06.2012
	(ii) Prof. Suneeta Agarwal	Computer Science & Engineering	w.e.f. 01.07.2012
6.	Prof. R. P. Tiwari	Civil Engineering	
7.	Prof. R. K. Singh	Electrical Engineering	
8.	Prof. Rajeev Tripathi	Electronics & Communication Engineering	
9.	(i) Prof. Sudarshan Tiwari	Chairman, GIS Cell	upto 23.07.2012
	(ii) Prof. Rajeev Tripathi	Chairman, GIS Cell	From 24.07.2013 to 31.07.2012
	(iii) Prof. A. K. Singh	Chairman, GIS Cell	w.e.f. 01.08.2012
10.	(i) Prof. S. K. Agrawal	Humanities & Social Sciences	upto 22.08.2012
	(ii) Prof. H. N. Kar	Humanities & Social Sciences	From 23.08.2012 to 22.02.2013
	(iii) Prof. R. C. Vaishya	Humanities & Social Sciences	w.e.f. 23.02.2013
11.	Prof. Nirjhar Roy	Mechanical Engineering	
12.	Prof. Shiv Dutt Kumar	Mathematics	
13.	(i) Prof. P. P. Sahay	Physics	upto 08.04.2012
	(ii) Prof. Mahendra Kumar	Physics	From 09.04.2012 to 04.11.2012
	(iii) Prof. Sanjay Chaubey	Physics	w.e.f. 05.11.2012
14.	Prof. P. R. Agrawal	School of Management Studies	

### List of Deans

Sl.No.	Name	Department	Remarks
1.	Prof. S. K. Duggal	Dean [Academic]	
2.	Prof. R. K. Srivastava	Dean [Planning & Development]	
3.	(i) Prof. Anuj Jain	Dean [Research & Consultancy]	upto 14.12.2012
	(ii) Prof. Vinoda Yadava	Dean [Research & Consultancy]	w.e.f. 15.12.2012
4.	(i) Prof. A. K. Mishra	Dean [Faculty Welfare]	upto 31.08.2012
	(ii) Prof. P. K. Mishra	Dean [Faculty Welfare]	w.e.f. 01.09.2012
5.	(i) Prof. Vinod Yadava	Dean [Student Welfare]	upto 24.10.2012
	(ii) Prof. M. M. Gore	Dean [Student Welfare]	w.e.f. 25.10.2012
6.	(i) Prof. Sudarshan Tiwari	Dean [Resource Generation & International Affairs]	upto 23.07.2012
	(ii) Prof. Rajeev Tripathi	Dean [Resource Generation & International Affairs]	From 24.07.2012 to 31.07.2012
	(iii) Prof. Dinesh Chandra	Dean [Resource Generation & International Affairs]	w.e.f. 01.08.2012

## 5.2 Administrative Officers

Sl.No.	Name	Designation
1.	Dr. Sarvesh K. Tiwari	Registrar (Oftg.) / Dy. Registrar (Academic)
2.	Shri Uma Shankar	Dy. Registrar (Accounts)
3.	Shri Abhai Kumar Srivastava	Executive Engineer
4.	Shri Arvind Kumar Singh	Engineer (Electrical Maint.)
5.	Shri Raghvendra Singh	SAS Officer
6.	Shri S.P. Verma	SAS Officer
7.	Shri Prabhat Ranjan	Senior Technical Officer <b>[On Leave]</b>
8.	Shri Abhay Singh	Programmer
9.	Shri Sateyendra Sharma	Programmer (Resigned on 22.05.2012)
10.	Shri S.K. Srivastava	Foreman
11.	Shri Satanand Yadav	Foreman
12.	Shri S.K. Tiwari	Dy. Librarian
13.	Shri Ritesh Sahu	Dy. Librarian

## 5.3 Technical Staff

Sl.No.	Name	Designation	Remarks
1.	Shri Trivikram	Technical Assistant (SG-II)	
2.	Shri D.K. Dwivedi	Technical Assistant (SG-II)	
3.	Shri Shri Kant.	Technical Assistant (SG-II)	
4.	Shri Jeet Lal Yadav	Technical Assistant (SG-II)	
5.	Shri A.K. Agrawal	Technical Assistant (SG-II)	
6.	Dr. S.C. Pathak	Technical Assistant (SG-II)	
7.	Shri Rajendra Pd.	Technical Assistant (SG-I)	
8.	Shri S.K. Sen	Sr. Technical Assistant	
9.	Shri Harish Chandra	Sr. Technical Assistant	
10.	Shri Arjun Singh	Sr. Technical Assistant	
11.	Shri S.N. Chaturvedi	Sr. Technical Assistant	
12.	Shri Pankaj Sikka	Sr. Technical Assistant	
13.	Shri Rama Shanker	Sr. Technician	
14.	Shri K.N. Singh	Assistant Engineer	
15.	Shri Sanjay Singh	J.E. (Civil M)	
16.	Shri R.C. Verma	J.E. (Elect. M)	(Retired on 30.06.2012)
17.	Smt. Anju Jha	Technical Assistant	
18.	Shri Manoj Singh Bonal	Technical Assistant	
19.	Shri Ashutosh Kr. Gupta	Technical Assistant	
20.	Smt. Sangeeta Rani	Technical Assistant	

Sl.No.	Name	Designation	Remarks
21.	Shri Chedi Lal Patel	Technical Assistant	
22.	Shri Gyanandra Singh	Technician (SG-I)	
23.	Shri Shri Kant Tiwari	Technician (SG-I)	
24.	Shri S.L. Sharma	Technician (SG-I)	
25.	Shri Om Prakash	Technician (SG-I)	
26.	Shri Altaf B. Azhar	Technician (SG-I)	
27.	Shri R.P. Pandey	Technician (SG-I)	
28.	Shri Hari Lal	Technician (SG-I)	
29.	Shri Hari Bhajan	Technician (SG-I)	
30.	Shri Nanku Lal	Technician (SG-I)	
31.	Shri Shree Lal	Technician (SG-I)	(Retired on 31.12.2012)
32.	Shri Vishwa Nath	Technician (SG-I)	(Retired on 31.12.2012)
33.	Shri Satya N. Singh	Technician (SG-I)	
34.	Shri Ranjeet Singh	Technician (SG-I)	
35.	Shri Afzal Ahmad	Technician (SG-I)	
36.	Shri R.K. Sharma	Technician (SG-I)	
37.	Shri Ram Naresh	Technician (SG-I) [Driver]	
38.	Shri Man Singh	Technician (SG-II)	
39.	Shri Badri Prasad	Technician (SG-II)	
40.	Shri Kanhya Lal	Technician (SG-II)	
41.	Shri Gopal Ram	Technician (SG-II)	
42.	Shri Ram Chandra II	Technician (SG-II)	
43.	Shri Radhey Shyam	Technician (SG-II)	
44.	Shri Ram Shiromani	Technician (SG-II)	
45.	Shri Brij Lal	Technician (SG-II)	
46.	Shri Lal Das	Technician (SG-II)	
47.	Shri Algoo Prasad	Technician (SG-II)	
48.	Shri Bharat Lal	Technician (SG-II)	
49.	Shri Ram Ji	Technician (SG-II)	
50.	Shri Keshav Kumar	Technician (SG-II)	
51.	Shri R. C. Pal, Technician	Technician (SG-II) [Driver]	
52.	Shri Diwakar Tiwari	Technician (SG-II) [Driver]	
53.	Shri Om Prakash Parashar	Technician (SG-II)	
54.	Shri Anurudh Bahadur	Sr. Technician	
55.	Shri Kamla Prasad	Sr. Technician	
56.	Shri Vikramditya	Mech 'B'	(Retired on 30.04.2012)
57.	Shri Lal Bahadur Maurya	Sr. Technician	
58.	Shri Moti Lal	Sr. Technician	
59.	Shri Rakesh Gupta	Sr. Technician	
60.	Shri Uma Shanker	Sr. Technician	

Sl.No.	Name	Designation	Remarks
61.	Shri Manoj Kr.Tripathi	Sr. Technician	
62.	Shri Hari Shanker	Sr. Technician	
63.	Shri Lal Bahadur Yadav	Sr. Technician	
64.	Shri Nand Lal Pal	Sr. Technician	
65.	Shri Ram Sajiwan	Sr. Technician	
66.	Shri Shiv Murat Yadav	Sr. Technician	
67.	Shri Ram Bahadur Yadav	Sr. Technician	
68.	Shri. D.N. Pandey	Sr. Technician	
69.	Shri Satya Narain Singh	Sr. Technician	
70.	Shri Brijesh Kumar	Sr. Technician	
71.	Shri Maqsood	Sr. Technician	
72.	Shri Bhola	Sr. Technician	
73.	Shri Ram Lakhan	Sr. Technician	
74.	Shri G.S. Maurya	Pharmacist (SG-II)	
75.	Shri Vinod Kr. Mishra	Sr. Pharmacist	
76.	Shri Ranjeet Kr. Nirbhai	Sr. Pharmacist	

## 5.4 Ministerial Staff

Sl.No.	Name	Designation	Remarks
1.	Shri Ram Nagina Pandey	Asstt. Accountant	(Retired on 31.07.2012)
2.	Shri D.P. Pant	Superintendent (SG-II)	
3.	Shri Husnain Ahmad	Superintendent (SG-II)	
4.	Shri K.K. Shukla	Superintendent (SG-II)	
5.	Shri A.B. Singh	Superintendent (SG-II)	
6.	Shri D.N. Tiwari	Superintendent (SG-II)	
7.	Shri T.N. Tripathi	Superintendent (SG-II)	
8.	Shri Siva Kant Mishra	Sr. Superintendent	
9.	Shri B.L. Yadav	Sr. Superintendent	
10.	Shri B.D. Tripathi	Sr. Superintendent	
11.	Shri Abdul Shamim	Sr. Superintendent	
12.	Shri R.K. Pandey	Sr. Superintendent	
13.	Shri M.C. Singh	Sr. Superintendent	
14.	Shri Ram Naresh	Sr. Superintendent	
15.	Shri Ganga Prasad	Sr. Superintendent	
16.	Shri S.A. Farooqui	Sr. Superintendent	
17.	Shri Banwari Lal	Superintendent	
18.	Shri H.I. Malik	Superintendent	
19.	Shri Girja Shankar	Superintendent	
20.	Shri V.K. Gaur	Superintendent	

Sl.No.	Name	Designation	Remarks
21.	Shri N.K. Prajapati	Superintendent	
22.	Shri Sangam L. Kushwaha	Superintendent	
23.	Shri Viveka Nand	Superintendent	
24.	Shri Tribhwan N. Tripathi	Superintendent	
25.	Shri Babban Singh	Superintendent	
26.	Shri Amar Singh Yadav	Superintendent	
27.	Shri S.K. Gaur	Superintendent	
28.	Shri Y.P. Tripathi	Assistant (SG-I)	
29.	Shri Ram Adhar	Assistant (SG-I)	
30.	Shri Shahid Irfan	Assistant (SG-I)	
31.	Shri Ram Acharj Yadav	Assistant (SG-I)	
32.	Shri Zia Uddin	Assistant (SG-I)	
33.	Shri Shyam Babu	Assistant (SG-I)	
34.	Shri S.K. Srivastava	Assistant (SG-I)	
35.	Shri Shyam Lal Yadav	Assistant (SG-I)	
36.	Shri Anil Kumar	Assistant (SG-I)	
37.	Shri Mewalal	Assistant (SG-I)	
38.	Shri Chandrabhan	Assistant (SG-I)	
39.	Shri Shiv karan Patel	Assistant (SG-I)	
40.	Shri Amrit Lal	Assistant (SG-I)	
41.	Shri Subhas Ram	Assistant (SG-I)	
42.	Shri Ram Kumar Verma	Assistant (SG-I)	
43.	Shri Sanjay Yadav	Assistant (SG-II)	
44.	Shri A.V.Pathak	Sr. Assistant	
45.	Shri Vijai Pal	Sr. Assistant	
46.	Shri Mohd.Saqib	Sr. Assistant	
47.	Shri Bechan Ram	Sr. Assistant	
48.	Shri Sangam Lal	Sr. Assistant	
49.	Shri Anant Kr.Tiwari	Sr. Assistant	
50.	Smt. Veena Singh	Sr. Assistant	
51.	Smt Madhu Yadav	Sr. Assistant	
52.	Shri Chet Ram Bhartiya	Sr. Assistant	
53.	Shri Hublal	Caretaker	(Retired on 30.11.2012)
54.	Shri Vinod Kumar	Sr. Assistant	
55.	Shri Deepak Kumar	Sr. Assistant	
56.	Shri Nirmal Kr. Shukla	Sr. Secretary	
57.	Shri K.K. Dubey	Jr. Stenographer	(Retired on 30.06.2012)
58.	Shri Ram Baran	Secretary	



## 5.5 Supporting Staff

Sl.No.	Name	Designation	Remarks
1.	Shri T. N. Shukla	Attendant	
2.	Shri R. D. Shukla	Lab Bearer	(Retired on 31.07.2012)
3.	Shri Om Prakash Yadav	Attendant	
4.	Shri Sugreev Prasad	Attendant	(Retired on 18.02.2013)
5.	Shri S. R. Kushawaha	Attendant	
6.	Shri Riyaz Ahmad	Attendant	
7.	Shri. Tribhuvan Singh Yadav	Attendant	
8.	Shri Mahesh Kumar	Attendant	
9.	Shri Jeet Lal II	Attendant	
10.	Shri Gyan Chandra	Attendant	
11.	Shri Ram Nath	Attendant	
12.	Shri Paras Nath	Attendant	
13.	Shri S. N. Shukla	Attendant	
14.	Shri Naresh Chandra	Attendant	
15.	Shri Laxmi Kant	Attendant	
16.	Shri D. S. Mishra	Attendant	
17.	Shri K. P. Maurya	Attendant	
18.	Shri R. S. Pal	Attendant	
19.	Shri Ram Dulare	Attendant	
20.	Shri Jhalloo Lal	Attendant	
21.	Shri Amar Nath	Attendant	
22.	Shri Satya Narain	Attendant	
23.	Shri Sudhakar Tiwari	Attendant	
24.	Shri Raja Ram	Attendant	
25.	Shri Phool Chandra	Attendant	
26.	Shri Nankoo Ram	Attendant	
27.	Shri Amar Nath Patel	Attendant	
28.	Shri Om Prakash	Attendant	
29.	Shri Prem Chandra	Attendant	
30.	Shri Paras Nath Saroj	Attendant	
31.	Shri Jagdish Prasad	Attendant	
32.	Shri Devi Prasad	Driver	Expired on 16.08.2012
33.	Shri Rakesh Kr. Mishra	Attendant	
34.	Shri Masuriya Deen Maurya	Attendant	
35.	Shri Radhey Shyam	Attendant	
36.	Shri Rajendra Kumar	Attendant	
37.	Shri Parmanand	Attendant	

Sl.No.	Name	Designation	Remarks
38.	Shri Brijesh Kumar	Attendant	
39.	Shri Keshav	Attendant	
40.	Shri Ram Lal	Attendant	Expired on 30.04.2012
41.	Shri Ramesh	Attendant	
42.	Smt. Sheela	Attendant	
43.	Shri Sudesh	Attendant	Expired on 14.04.2012
44.	Shri Ram Dulare	Attendant	
45.	Shri Lallan	Attendant	
46.	Smt. Nirmala Devi	Attendant	
47.	Shri Ranjeet	Attendant	
48.	Smt. Bittan Devi	Attendant	
49.	Shri Shankar Lal	Attendant	
50.	Shri Anil	Attendant	
51.	Shri Suresh	Attendant	
52.	Shri Raju	Attendant	
53.	Shri Parkash	Attendant	
54.	Shri Kailash	Attendant	
55.	Shri Rajendra Pd	Attendant	
56.	Shri Pappu Lal	Attendant	
57.	Shri Rajesh	Attendant	
58.	Shri Mohan Lal	Attendant	
59.	Shri Banwari Lal	Attendant	
60.	Shri Mobeen Ahmad	Attendant	
61.	Shri Lallu	Attendant	
62.	Shri Sangam Lal Yadav	Attendant	
63.	Shri Brij Mohan Yadav	Attendant	
64.	Shri Ram Mani Yadav	Attendant	
65.	Shri Laloo	Attendant	
66.	Shri Harish Chandra Pal	Attendant	
67.	Shri Raj Narian Kashyap	Attendant	
68.	Smt Urmila Devi	Attendant	
69.	Smt. Raj Kali	Attendant	
70.	Shri Ram Nath pal	Attendant	
71.	Shri Jeet Lal Yadav	Attendant	
72.	Shri Jahli Singh	Attendant	
73.	Shri S.R. Singh	Attendant	
74.	Shri Druyadhan Lal	Attendant	
75.	Shri Nand Lal Prajapati	Attendant	
76.	Shri H.C. Maurya	Attendant	
77.	Shri Nand lal	Attendant	

Sl.No.	Name	Designation	Remarks
78.	Shri Monu Jeet Dayal	Attendant	
79.	Shri Ramakant pal	Attendant	
80.	Shri Hari Lal Yadav	Attendant	
81.	Shri Jagan Nath alies Lallu	Attendant	
82.	Shri Husala Pd	Attendant	
83.	Shri Shobh Nath Maurya	Attendant	
84.	Shri Jag Lal	Attendant	
85.	Shri Gulab Chandra	Attendant	
86.	Shri Pawan Kr. Mishra	Attendant	
87.	Smt. Geeta Devi	Attendant	
88.	Shri Ram Sanehi Maurya	Attendant	
89.	Smt. Kaushalya Devi	Attendant	
90.	Shri Om Parkash Yadav	Attendant	
91.	Shri Rajendra Pd.	Attendant	
92.	Shri Soraj	Attendant	
93.	Shri Shyam Lal Pal	Attendant	
94.	Shri Ram Jatan Mauriya	Attendant	

## 5.6 New Recruitments [Faculty]

Name : **Dr. V. Murari**  
Position : Assistant Professor  
Department : Applied Mechanics  
Qualification : B. E. [University of Madras], M. E. [Anna University], Ph. D. [IIT Kanpur]  
Area of specialization : Advanced Material and Structures (Composite Materials, Continuum Damage Modeling Soiled Mechanics)  
No. of publication : Journals : 02

---

Name : **Mr. Vivek Kumar Patel**  
Position : Assistant Professor [On Contract]  
Department : Applied Mechanics  
Qualification : B. Sc. [Dr. B. R. Ambedkar University, Agra], M. Tech. [MNNIT Allahabad], Ph. D. (Pursuing) [IIT Delhi]  
Area of specialization : Mechanical Engineering [Fluid Mechanics]  
No. of publication : Journals : 03

---

Name : **Dr. Anjana Pandey**  
Position : Associate Professor  
Department : Biotechnology  
Qualification : B. Sc. [BHU, Varanasi], M. Sc. [BHU, Varanasi], Ph. D. [BHU, Varanasi]  
Area of specialization : Environmental Biotechnology  
No. of publication : Journals : 31

---

Name : **Dr. Sangeeta Negi**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Sc. [Kumoan University], M. Sc. [GBPAUT, Pantnagar], Ph. D. [IIT Kharagpur]  
Area of specialization : Bioprocess and Product Development [Biochemical Engineering], Enzyme Technology, Environmental Biotechnology, Biochemistry  
No. of publication : Journals : 17

---

Name : **Dr. Vishnu Agarwal**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Sc. [University of Allahabad], M. Sc. [Himachal Pradesh University], Ph. D. [IIT Roorkee]  
Area of specialization : Microbiology, Biofilms  
No. of publication : Journals : 10

---

Name : **Dr. Nand Kumar Singh**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Sc. [CCSU, Meerut], M. Sc. [CCSU, Meerut], M. Phil [CCSU, Meerut], Ph. D. [IIT Roorkee]  
Area of specialization : Genetics  
No. of publication : Journals : 12

---

Name : **Dr. Ashutosh Mani**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Sc. [University of Gorakhpur], M. Sc. [University of Allahabad], D. Phil [University of Allahabad]  
Area of specialization : Bioinformatics  
No. of publication : Journals : 08

---

Name : **Dr. Radha Rani Mewaram**  
Position : Assistant Professor  
Department : Biotechnology

Qualification : B. Sc. [RTM Nagpur University], M. Sc. [RTM Nagpur University],  
Ph. D. [NEERI Nagpur]  
Area of specialization : Environmental Biotechnology & Microbiology  
No. of publication : Journals : 04

---

Name : **Dr. Ambak Kumar Rai**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Sc. [D.D.U. University Gorakhpur], M. Sc. [BHU, Varanasi],  
Ph. D. [AIIMS, New Delhi]  
Area of specialization : Immunology & Immunotechnology  
No. of publication : Journals : 10

---

Name : **Dr. Sameer Srivastava**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Sc. [BHU, Varanasi], M. Sc. [University of Goa, Goa], Ph. D. [University of Pune]  
Area of specialization : Genetics/ Molecular Biology  
No. of publication : Journals : 06

---

Name : **Dr. Sanjay Kumar**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Tech. [HBTI Kanpur], M. Tech. [IIT BHU Varanasi], Ph. D. [IIT Guwahati]  
Area of specialization : Biochemical Engineering  
No. of publication : Journals : 07

---

Name : **Dr. Vachan Singh Meena**  
Position : Assistant Professor  
Department : Biotechnology  
Qualification : B. Pharmacy [University of Rajasthan], M. Tech. [NIPER, Mohali],  
Ph. D. [NIPER, Mohali]  
Area of specialization : Pharmaceutical Biotechnology  
No. of publication : Journals : 07

---

Name : **Dr. Hemant Kumar Pandey** :  
Position : Assistant Professor  
Department : Civil Engineering  
Qualification : B. Sc. (Hons) [BHU Varanasi], M. Sc. [BHU Varanasi], Ph. D. [IMS, Dhanbad]  
Area of specialization : Geology & Hydrogeology  
No. of publication : Journals : 05

Name : **Dr. Kumar Pallav**  
Position : Assistant Professor  
Department : Civil Engineering  
Qualification : B. E. [Nagpur University, Nagpur], M. E. [RGPV, Bhopal], Ph. D. [IIT Guwahati]  
Area of specialization : Structural Engineering [Earthquake Engineering]  
No. of publication : Journals : 06

---

Name : **Dr. Deobilna Basu**  
Position : Assistant Professor  
Department : Civil Engineering  
Qualification : B. E. [Amrawati University], M. Tech. [MNNIT Allahabad], Ph. D. [IIT Bombay]  
Area of specialization : Civil Engineering/Environmental Engineering  
No. of publication : Journals : 06

---

Name : **Mr. Anupam Rawat**  
Position : Assistant Professor [On Contract]  
Department : Civil Engineering  
Qualification : B. Tech. [KNIT Sultanpur], M. Tech. [MNNIT Allahabad]  
Area of specialization : Structural Engineering  
No. of publication : Journals : Nil

---

Name : **Mr. Vijay Kumar**  
Position : Assistant Professor [On Contract]  
Department : Civil Engineering  
Qualification : B. Sc. Engg. [BabasahebBhimraoAmbedkar Bihar University, Muzaffarpur],  
M. Tech. [MNNIT Allahabad], Ph. D. (Pursuing)[MNNIT Allahabad]  
Area of specialization : Civil Engineering & Geotechnical Engineering  
No. of publication : Journals : Nil

---

Name : **Mr. Vishwajeet Pratap Singh**  
Position : Assistant Professor [On Contract]  
Department : Civil Engineering  
Qualification : B. Tech. [MMMEC, Gorakhpur], M. E. [IISc. Bangalore]  
Area of specialization : Geotechnical Engineering  
No. of publication : Journals : Nil

---

Name : **Dr. Sushil Kumar**  
Position : Assistant Professor  
Department : Chemical Engineering

Qualification : B. Tech. [HBTI Kanpur], M. Tech. [IIT Kanpur], Ph. D. [BITS Pilani]  
Area of specialization : Environmental Engineering/Mass Transfer & Process Intensification  
No. of publication : Journals : 18

---

Name : **Dr. Ankur Gaur**  
Position : Assistant Professor  
Department : Chemical Engineering  
Qualification : B. Sc. [MaharshiDayanand University, Rohtak], Ph. D. [Yonsei University, Korea]  
Area of specialization : Chemical Engineering  
No. of publication : Journals : 05

---

Name : **Dr. Harinder Singh** :  
Position : Assistant Professor  
Department : Chemical Engineering  
Qualification : B. E. [TIET, Patiala], M. Tech. [IIT Delhi], Ph. D. [GNDU Amritsar]  
Area of specialization : Process Engineering & Mass Transfer  
No. of publication : Journals : 06

---

Name : **Dr. Ashish Nivrittinath Sawarkar**  
Position : Assistant Professor  
Department : Chemical Engineering  
Qualification : B. Tech. [LIT, Nagpur], M. Tech. [LIT, Nagpur], Ph. D. [UDCT, Mumbai]  
Area of specialization : Petroleum Refining and Petrochemical Technology  
No. of publication : Journals : 04

---

Name : **Mr. Shabih-Ul-Hasan**  
Position : Assistant Professor [On Contract]  
Department : Chemical Engineering  
Qualification : B. Tech. [AMU, Aligarh], M. Tech. [AMU, Aligarh], Ph. D. (Pursuing) [IIT Bombay]  
Area of specialization : Chemical Engineering [Process Modeling & Simulation]  
No. of publication : Journals : 05

---

Name : **Mr. Suantak Kamsonlian**  
Position : Assistant Professor [On Contract]  
Department : Chemical Engineering  
Qualification : B. Tech. [University of Kerala, Kerala], M. Tech. [IIT Roorkee],  
Ph. D.(Pursuing) [IIT Roorkee]  
Area of specialization : Chemical Engineering, Heat & Mast Transfer, Environment Engineering  
No. of publication : Journals : 09

Name : **Mr. Ranvijay**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [Purvanchal University,Jaunpur], M. Tech. [MNNIT Allahabad],  
Ph. D. (Pursuing)[MNNIT Allahabad]  
Area of specialization : Computer Science & Engineering  
No. of publication : Journals : Nil

---

Name : **Mr. Rupesh Kumar Dewang**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. E. [Rajiv Gandhi ProudयोगikiVishwavidyalaya, Bhopal],  
M. Tech. [Rajiv Gandhi ProudयोगikiVishwavidyalaya, Bhopal]  
Area of specialization : Data Mining and Network Security, Adhoc Network  
No. of publication : Journals : 01

---

Name : **Ms. Santi Kumari Behera**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [BijuPatnaik University of Technology, Rourkela],M. Tech. [NIT Rourkela]  
Area of specialization : Computer Science & Engineering  
No. of publication : Journals : Nil

---

Name : **Ms. Pragya Dwivedi**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [CSAUAT, Kanpur], M. Tech. [JNU, New Delhi],  
Ph. D. (Pursuing) [JNU, New Delhi]  
Area of specialization : Computer Science [Machine Learning]  
No. of publication : Journals : Nil

---

Name : **Mr. Divya Kumar**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [ MNNIT Allahabad]  
Area of specialization : Computer Science  
No. of publication : Journals : Nil

---

Name : **Mr. Dushyant Kumar Singh**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering



Qualification : B. Tech. [AMU, Aligarh], M. Tech. [AMU, Aligarh], Ph. D. (Pursuing) [MNIT Jaipur]  
Area of specialization : Computer Science & Engineering  
No. of publication : Journals : Nil

---

Name : **Mr. Dinesh Singh**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [IIT Roorkee]  
Area of specialization : Digital Image Processing, Mobile Adhoc Network  
No. of publication : Journals : 02

---

Name : **Mr. Shashank Srivastava**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [IERT Allahabad], M. S. [IIIT Allahabad], Ph. D. (Pursuing) [IIIT Allahabad]  
Area of specialization : Computer Science & Engineering  
No. of publication : Journals : Nil

---

Name : **Ms. Shashwati Banerjea**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [IMS, Dhanbad]  
Area of specialization : Computer Applications, Computer Science & Engineering  
No. of publication : Journals : Nil

---

Name : **Mrs. Rajitha B.**  
Position : Assistant Professor [On Contract]  
Department : Computer Science & Engineering  
Qualification : B. Tech. [Jawaharlal Nehru Technological University, Andhra Pradesh], M. E. [Karunya University, Coimbatore, Tamil Nadu]  
Area of specialization : Service Oriented Architectures & Databases  
No. of publication : Journals : Nil

---

Name : **Dr. Shweta Tripathi**  
Position : Assistant Professor  
Department : Electronics & Communication Engineering  
Qualification : B. Tech. [Purvanchal University, Jaunpur], Ph. D. [IIT BHU Varanasi],  
Area of specialization : Microelectronics, Modeling & Simulation of Semiconductor Devices  
No. of publication : Journals : 05

Name : **Dr. Arun Prakash:**  
Position : Assistant Professor  
Department : Electronics & Communication Engineering  
Qualification : B. E. [MIT Moradabad], M. Tech. [UPTU, Lucknow], Ph. D. [MNNIT Allahabad]  
Area of specialization : Electronics & Communication Engineering, Wireless & Mobile Communication  
No. of publication : Journals : 05

---

Name : **Dr. Yogendra Kumar Prajapati**  
Position : Assistant Professor  
Department : Electronics & Communication Engineering  
Qualification : B. E. [BBDUET&RC, Bulandshahar], M. Tech. [BIET Jhansi], Ph. D. [G.B. Technical University, Lucknow]  
Area of specialization : Electronics & Communication Engineering, Optical Communication  
No. of publication : Journals : 07

---

Name : **Mr. Vadthiya Narendar**  
Position : Assistant Professor [On Contract]  
Department : Electronics & Communication Engineering  
Qualification : B. Tech. [JNTU, Hyderabad], M. Tech. [MNNIT Allahabad] , Ph. D. (Pursuing) [MNNIT Allahabad]  
Area of specialization : Microelectronics and VLSI Design, Digital Circuits  
No. of publication : Journals : 01

---

Name : **Mr. Karuppanan P.**  
Position : Assistant Professor [On Contract]  
Department : Electronics & Communication Engineering  
Qualification : B. E. [Madurai Kamaraj University, Madurai], M. E. [Anna University, Chennai], Ph. D.(Pursuing) [NIT Rourkela]  
Area of specialization : VLSI Design & Industrial Electronics  
No. of publication : Journals : 11

---

Name : **Mr. Mohammad Kaifi**  
Position : Assistant Professor [On Contract]  
Department : Electronics & Communication Engineering  
Qualification : B. Tech. [AMU, Aligarh], M. Tech. [AMU, Aligarh]  
Area of specialization : Electronics Circuits and System Design  
No. of publication : Journals : 01

Name : **Mr. Santosh Kumar Gupta**  
Position : Assistant Professor [On Contract]  
Department : Electronics & Communication Engineering  
Qualification : B. E. [HNB Garhwal University, Uttarakhand], M. Tech. [IIT Bombay],  
Ph. D.(Pursuing)[NIT Silchar]  
Area of specialization : Semiconductor Device Modeling  
No. of publication : Journals : 05

---

Name : **Mr. Navneet Kumar Singh**  
Position : Assistant Professor [On Contract]  
Department : Electrical Engineering  
Qualification : B. Sc. Engg. [DEI Dayalbagh, Agra], M. Tech. [DEI Dayalbagh, Agra], Ph. D. (Pursuing)  
[MNNIT Allahabad]  
Area of specialization : Power System  
No. of publication : Journals : 01

---

Name : **Mr. Deepak Kumar**  
Position : Assistant Professor  
Department : Electrical Engineering  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [IIT BHU, Varanasi],  
Ph. D.(Pursuing) [IIT BHU, Varanasi]  
Area of specialization : Control Systems and Electrical Engineering  
No. of publication : Journals : 05

---

Name : **Mr. Niraj Kumar Choudhary**  
Position : Assistant Professor [On Contract]  
Department : Electrical Engineering  
Qualification : B. Tech. [West Bengal University of Technology], M. E. [Bengal Engg. and  
Science University, Shibpur, West Bengal]  
Area of specialization : Power System, Electrical Machine  
No. of publication : Journals : Nil

---

Name : **Mr. M. Venkatesh Naik**  
Position : Assistant Professor [On Contract]  
Department : Electrical Engineering  
Qualification : B. Tech. [Sri Krishnadevaraya University, Anantapur], M. Tech. [NIT, Tiruchirapalliu]  
Area of specialization : Electrical Engineering, Power Systems  
No. of publication : Journals : Nil

Name : **Ms. Sonam Agarwal**  
Position : Assistant Professor [On Contract]  
Cell : GIS [Geographic Information System]  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [MNNIT Allahabad]  
Area of specialization : GIS & Remote Sensing [Major], Information Technology [Minor]  
No. of publication : Journals : Nil

---

Name : **Mr. Ramji Dwivedi**  
Position : Assistant Professor [On Contract]  
Cell : GIS [Geographic Information System]  
Qualification : B. Tech. [BIET Jhansi], M. Tech. [IIT Kanpur]  
Area of specialization : GIS Cell & GPS, Satellite Image Processing, SAR  
No. of publication : Journals : Nil

---

Name : **Mr. Manohar Yadav**  
Position : Assistant Professor [On Contract]  
Cell : GIS [Geographic Information System]  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [IIT Kanpur]  
Area of specialization : Applied for-LIDAR, Satellite Image Processing  
No. of publication : Journals : Nil

---

Name : **Dr. Gorakh Nath**  
Position : Assistant Professor  
Department : Mathematics  
Qualification : B. Sc. [D.D.U. Gorakhpur], M. Tech. [D.D.U. Gorakhpur], Ph. D. [D.D.U. Gorakhpur]  
Area of specialization : Computational Fluid Dynamics, Shock Waves  
No. of publication : Journals : 17

---

Name : **Dr. Buddakkagari Vasu**  
Position : Assistant Professor  
Department : Mathematics  
Qualification : B. Sc. [Sri Venkateswara University, Tirupati], M. Sc. [Sri Venkateswara University, Tirupati],  
Ph. D. [Sri Venkateswara University, Tirupati]  
Area of specialization : Fluid Dynamics  
No. of publication : Journals : 10

---

Name : **Dr. Pramod Kumar Yadav**  
Position : Assistant Professor  
Department : Mathematics

Qualification : B. Sc. [Purvanchal University, Jaunpur], M. Sc. [University of Allahabad],  
D. Phil [University of Allahabad]

Area of specialization : Fluid Mechanics & Differential Equation

No. of publication : Journals : 08

---

Name : **Dr. Surabhi Tiwari**

Position : Assistant Professor

Department : Mathematics

Qualification : B. Sc. [Ewing Christian College, Allahabad], M. Sc. [University of Allahabad], D. Phil  
[University of Allahabad]

Area of specialization : Major-General Topology; Minor-Numerical Analysis

No. of publication : Journals : 07

---

Name : **Dr. Samir Saraswati**

Position : Assistant Professor

Department : Mechanical Engineering

Qualification : B. E. [IIT Roorkee], M. E. [MNNIT Allahabad], Ph. D. [MNNIT Allahabad]

Area of specialization : Mechanical Engineering, Thermal (Engine Control)

No. of publication : Journals : 11

---

Name : **Dr. Praveen Kumar Agrawal**

Position : Assistant Professor

Department : Mechanical Engineering

Qualification : B. E. [MNREC Allahabad], M. Tech. [MNNIT Allahabad], Ph. D. [MNNIT Allahabad]

Area of specialization : Mechanical Engineering, Design, Nonlinear Control

No. of publication : Journals : 06

---

Name : **Dr. Pragya Shandilya**

Position : Assistant Professor

Department : Mechanical Engineering

Qualification : B. Tech. [C.C.S.U. Meerut], M. Tech. [G.B.P.U.A.T., Pant Nagar],  
Ph. D. [IIT Roorkee]

Area of specialization : Production Engineering & Manufacturing Engineering

No. of publication : Journals : 06

---

Name : **Dr. Rahul Dev**

Position : Assistant Professor

Department : Mechanical Engineering

Qualification : B. Tech. [I.E.T., Lucknow], M. Tech. [IIT Delhi], Ph. D. [IIT Delhi]  
Area of specialization : Solar Distillation, Energy Studies, Mechanical Engineering  
No. of publication : Journals : 07

---

Name : **Dr. Arun Kumar Rout**  
Position : Assistant Professor  
Department : Mechanical Engineering  
Qualification : B. E. [REC, Rourkela], M. Tech. [IIT Kharagpur],  
Ph. D. [KIIT University, Bhubaneswar]  
Area of specialization : Machine Design & Composite Materials  
No. of publication : Journals : 06

---

Name : **Dr. Jagadish Chandra Mohanta**  
Position : Assistant Professor  
Department : Mechanical Engineering  
Qualification : Diploma [ State Council of Technical Education & Training, Orissa], AMIE [The Institution  
of Engineers (India)], Ph. D. [NIT Rourkela]  
Area of specialization : Machine Design & Analysis, Mobil Robotics  
No. of publication : Journals : 10

---

Name : **Mr. Manoj Kumar Gupta**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [MMMEC, Gorakhpur]  
Area of specialization : Production Engineering, CIM  
No. of publication : Journals : 01

---

Name : **Mr. Sunil Kumar Gupta**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : Diploma [M.P. Polytechnic, Gorakhpur], AMIE [The Institution of Engineers (I)],  
M. Tech. [NIT Jamshedpur]  
Area of specialization : CIDM [Mechanical]  
No. of publication : Journals : Nil

---

Name : **Mr. Jitendra Narayan Gangwar**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. Tech. [UPTU, Lucknow], M. Tech. [IIT Kanpur], Ph. D. (Pursuing) [IIT Kanpur]  
Area of specialization : Fluid and Thermal Science  
No. of publication : Journals : 02

Name : **Mr. Kuldhir Singh Bhati**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. E. [University of Rajasthan, Rajasthan], M. Tech. [IIT Kanpur]  
Area of specialization : Fluids and Thermal Science  
No. of publication : Journals :

---

Name : **Mr. Bireswar Paul**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. E. [NIT Agartala], M. E. [Jadavpur University], Ph. D. (Pursuing) [Jadavpur University]  
Area of specialization : Thermal Engineering  
No. of publication : Journals : 04

---

Name : **Mr. Randhir Oraon**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. Sc.Engg. [VinobaBhave University, Hazaribag], M. Tech. [IIT Kharagpur]  
Area of specialization : Manufacturing Science & Engineering  
No. of publication : Journals:Nil

---

Name : **Mr. Bhore Skylab Pavalas**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. E. [Shivaji University, Kolhapur], M. E. [Shivaji University, Kolhapur], Ph. D. (Pursuing) [IIT Delhi]  
Area of specialization : Mechanical Design Engineering  
No. of publication : Journals : 03

---

Name : **Mr. BinayakaNahak**  
Position : Assistant Professor [On Contract]  
Department : Mechanical Engineering  
Qualification : B. Tech. [CET Bhubaneswar], M. Tech. [IIT BHU Varanasi], Ph. D. (Pursuing) [IIT BHU Varanasi]  
Area of specialization : Production Engineering [Mechanical Department]  
No. of publication : Journals : Nil

नवम् वार्षिक दीक्षान्त समारोह-२०१२  
दिसम्बर २५, २०१२  
**Ninth Annual Convocation - 2012**  
December 25, 2012





# 6

## ACADEMIC PROGRAMMES

Bachelor of Technology (B. Tech.) **6.1**

Master of Technology (M. Tech.) **6.2**

Master of Business Administration (MBA) **6.3**

Master of Computer Applications (MCA) **6.4**

Master of Science (M. Sc.) **6.5**

Master of Social Work (MSW) **6.6**

Doctoral Programme (Ph. D.) **6.7**

New Courses Started **6.8**

# 6. Academic Programmes

## 6.1 Bachelor of Technology (B.Tech.) Degree Courses (4 Years / 8 Semesters)

1. Biotechnology
2. Chemical Engineering
3. Civil Engineering
4. Computer Science & Engineering
5. Electrical Engineering
6. Electronics and Communication Engineering
7. Information Technology
8. Mechanical Engineering
9. Production & Industrial Engineering

## 6.2a Master of Technology (M.Tech.) Degree Course Regular (2 Years/ 4 Semesters)

### A. Applied Mechanics Department

1. M.Tech. Applied Mechanics
2. M.Tech. Biomedical Engineering
3. M.Tech. Fluids Engineering
4. M.Tech. Material Science and Engineering

### B. Biotechnology Department

1. M. Tech. Biotechnology

### C. Civil Engineering Department

1. M.Tech. Civil Engineering (Environmental Engineering)
2. M.Tech. Civil Engineering (Geo-Technical Engineering)
3. M.Tech. Civil Engineering (Structural Engineering)

### D. Computer Science and Engineering Department

1. M.Tech. Computer Science & Engineering
2. M.Tech. Software Engineering

3. M.Tech. Information Security

### E. Electrical Engineering Department

1. M.Tech. Electrical Engineering (Control & Instrumentation/Power Systems Engineering)
2. M.Tech. Electrical Engineering (Power Electronics & ASIC Design)

### F. Electronics and Communication Engineering Department

1. M.Tech. Electronics Engineering (Digital System)
2. M.Tech. Electronics Engineering (Microelectronics and VLSI Design)
3. M.Tech. Electronics Engineering (Communication System)

### G. Mechanical Engineering Department

1. M.Tech. Mechanical Engineering (Design)
2. M.Tech. Mechanical Engineering (Production Engineering)
3. M.Tech. Mechanical Engineering (Computer Aided Design and Manufacturing)
4. M.Tech. Mechanical Engineering (Product Design & Development)

### H. GIS Cell

1. M.Tech. (GIS and Remote Sensing)

## 6.2b Master of Technology (M.Tech.) Degree Course Part Time (3 Years/ 6 Semesters)

### A. Civil Engineering Department

1. M.Tech. Civil Engineering (Environmental Engineering)

### B. Computer Science and Engineering Department

1. M.Tech. Software Engineering

### C. Electrical Engineering Department

1. M.Tech. Electrical Engineering (Power Electronics & ASIC Design)

## **D. Mechanical Engineering Department**

1. M.Tech. Mechanical Engineering (Production Engineering)

## **6.3 Master of Business Administration (MBA) (2 years/ 4 Semesters)**

Offered by School of Management Studies. Following Specializations are offered:

1. Finance
2. Marketing
3. Human Resource
4. Systems
5. Productions and Operations
6. Engineering Management

## **6.4 Master of Computer Applications (MCA), (3 years/ 6 Semesters)**

Offered by Computer Science and Engineering Department

## **6.5 Master of Science (M.Sc.), (2 years/ 4 Semesters)**

M.Sc. in Mathematics and Scientific Computing Offered by Mathematics Department

## **6.6 Master of Social work (MSW), (2 years/ 4 Semesters)**

Offered by Humanities and Social Science Department

## **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, number of off-campus and non-stipendiary admission to these Doctoral programme are 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.

In Addition to regular academic programs, the institute organizes seminars, conferences, symposia and also extends expert consultancy to industries and institutions.

## **6.8 New Courses Started**

M.Tech. Electronics Engineering (Communication System).

**नवम् वार्षिक दीक्षान्त समारोह-20**  
दिसम्बर 25, 2012  
**Ninth Annual Convocation - 2012**  
December 25, 2012

मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
Motilal Nehru National Institute of Technology Allahabad



# 7

## STUDENTS' DETAILS

Intake **7.1**

Course-wise Enrolment **7.2**

Admission Statistics **7.3**

Student Strength **7.4**

Performance in Examination **7.5**

Gold Medals **7.6**



## 7. Students Details

### 7.1 Intake

Name of Programme	Branch	Intake
Bachelor of Technology	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
	<b>Total</b>	<b>814</b>
M.Tech.(all branches)		531
MCA		93
MBA		93
M.Sc.		23
MSW		23
Ph.D.(Including all branches)		20

### 7.2 Course-wise Enrolment

(A) (i) Courses-wise Enrolment with Sex, SC/ST break-up 2012-2013 In UG Programme

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
B.Tech.I Year	<b>814</b>	352	203	155	53	15	27	405	218	182
B.Tech.II Year	<b>814</b>	335	212	161	57	22	18	392	234	179
B.Tech. III Year	<b>814</b>	339	211	160	47	17	20	386	228	180
B.Tech. IV Year	<b>600</b>	347	117	130	68	11	21	415	128	151
<b>Total</b>		<b>1373</b>	<b>743</b>	<b>606</b>	<b>225</b>	<b>65</b>	<b>86</b>	<b>1598</b>	<b>808</b>	<b>692</b>

**(A) (ii) Additional Foreign Admission In UG Programme Through DASA, ICCR, ETC.**

S. No.	Programme	Males	Females	Total
1.	B.Tech. 1 <sup>st</sup> Year	80	13	93
2.	B.Tech. 2 <sup>nd</sup> Year	65	12	77
3.	B.Tech. 3 <sup>rd</sup> Year	71	19	90
4.	B.Tech. 4 <sup>th</sup> Year	58	17	75
	<b>Total</b>	<b>274</b>	<b>61</b>	<b>335</b>

**(B) Masters' Degree Programme**

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Tech. I Year	<b>531</b>	204	97	73	32	15	16	236	112	89
M.Tech. II Year	<b>506</b>	174	91	61	45	11	07	219	102	68
<b>Total</b>		<b>378</b>	<b>188</b>	<b>134</b>	<b>77</b>	<b>26</b>	<b>23</b>	<b>455</b>	<b>214</b>	<b>157</b>

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MCA I Year	<b>93</b>	23	15	20	24	10	01	47	25	21
MCA II Year	<b>93</b>	26	17	17	21	08	03	47	25	20
MCA III Year	<b>93</b>	27	19	11	14	03	04	41	22	15
<b>Total</b>		<b>76</b>	<b>51</b>	<b>48</b>	<b>59</b>	<b>21</b>	<b>8</b>	<b>135</b>	<b>72</b>	<b>56</b>

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MBA I Year	<b>93</b>	30	27	17	09	02	03	39	29	20
MBA II Year	<b>93</b>	32	24	11	15	03	02	47	27	13
<b>Total</b>		<b>62</b>	<b>51</b>	<b>28</b>	<b>24</b>	<b>5</b>	<b>5</b>	<b>86</b>	<b>56</b>	<b>33</b>

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Sc. I Year	<b>23</b>	02	00	01	04	00	00	06	00	01
M.Sc. II Year	<b>23</b>	03	00	00	08	01	01	11	01	01
<b>Total</b>		<b>05</b>	<b>00</b>	<b>01</b>	<b>12</b>	<b>01</b>	<b>01</b>	<b>17</b>	<b>01</b>	<b>02</b>

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MSW I Year	23	05	02	00	04	01	00	09	03	00
MSW II Year	23	03	02	01	03	02	00	06	04	01
<b>Total</b>		<b>08</b>	<b>04</b>	<b>01</b>	<b>07</b>	<b>03</b>	<b>00</b>	<b>15</b>	<b>07</b>	<b>01</b>

### 7.3 Admission Statistics for UG/PG/Ph.D. Programmes 2012-2013

Programme	Male	Female	Total
B.Tech.	2996	437	3433
M.Tech.	700	126	826
MCA	175	88	263
MBA	141	34	175
M.Sc.	06	14	20
MSW	13	10	23
Ph.D.	117	43	160
<b>Total</b>	<b>4148</b>	<b>752</b>	<b>4900</b>

### 7.4 Students' Strength

Courses	Actual student strength
B.Tech.	3433
M.Tech.	826
MCA	263
MBA	175
M.Sc.	20
MSW	23
Ph.D.	160
<b>Total</b>	<b>4565</b>

### 7.5 Performance in Examination

Courses	Appeared	Passed
B.Tech.	626	619
M.Tech.	400	375
MCA	66	66
MBA	65	63
M.Sc.	11	10
MSW	11	10
Ph.D.	34	34



## 7.6 Gold Medals

### 7.6.1 Gold Medals For Post Graduate Examination - 2012

Gold Medal awarded to **Pavankumar Tungala** Enrollment No. **2010AM11** for standing first at M.Tech. in Applied Mechanics, Final Examination 2012.

Gold Medal awarded to **Neha Saxena** Enrollment No. **2010BM21** for standing first at M.Tech. in Biomedical Engineering, Final Examination 2012.

Gold Medal awarded to **Vishnudas R** Enrollment No. **2010FE02** for standing first at M.Tech. in Fluids Engineering, Final Examination 2012.

Gold Medal awarded to **Rahul Agarwal** Enrollment No. **2010MT01** for standing first at M.Tech. in Material Science & Engineering, Final Examination 2012.

Gold Medal awarded to **Anuj Shukla** Enrollment No. **2010BT07** for standing first at M.Tech. in Bio-Technology Final Examination 2012.

Gold Medal awarded to **Smita Kaloni** Enrollment No. **2010ST02** for standing first at M.Tech. in Civil Engineering (Structural Engineering) Final Examination 2012.

Gold Medal awarded to **Amit Kumar Jha** Enrollment No. **2010EN07** for standing first at M.Tech. in Environmental Engineering Final Examination 2012.

Gold Medal awarded to **Sonali Shrivastava** Enrollment No. **2010GE05** for standing first at M.Tech. in Civil Engineering (Geo-Technology) Final Examination 2012.

Gold Medal awarded to **Shubhra Shivani** Enrollment No. **2010CS05** for standing first at M.Tech. in Computer Science & Engineering Final Examination 2012.

Gold Medal awarded to **Durgesh Bajpai** Enrollment No. **2010IS23** for standing first at M.Tech. in Information Security Final Examination 2012.

Gold Medal awarded to **Priyanka Goel** Enrollment No. **2010SW26** for standing first at M.Tech. in Software Engineering Final Examination 2012.

Gold Medal awarded **Vipin Chandra Pal** Enrollment No. **2010EE17** for standing first at M.Tech. in Electrical Engineering (Control & Instrumentation) Final Examination 2012.

Gold Medal awarded to **Nareshkumar Kummari** Enrollment No. **2010PE34** for standing first at M.Tech. in Electrical

Engineering (Power Electronics & ASIC Design) Final EXAMINATION 2012.

Gold Medal awarded to **Yerraguntla Shasi Kumar** Enrollment No. **2010PE23** for standing first at M.Tech. in Electrical Engineering (Power Electronics & ASIC Design) Final EXAMINATION 2012.

Gold Medal awarded to **Anuj Kumar Varshney** Enrollment No. **2010EL16** for standing first at M.Tech. in Electronics Engineering (Digital System) Final Examination 2012.

Gold Medal awarded to **Sumandeep Kaur** Enrollment No. **2010VL12** for standing first at M.Tech. in Microelectronics and VLSI Design Final Examination 2012.

Gold Medal awarded to **Swati Sachan** Enrollment No. **2010CC02** for standing first at M.Tech. in Mechanical Engineering (Computer Aided Design and Manufacturing ) Final Examination 2012.

Gold Medal awarded to **Sachin Gupta** Enrollment No. **2010DN23** for standing first at M.Tech. in Mechanical Engineering (Design) Final Examination 2012.

Gold Medal awarded to **Aazad Hussain A** Enrollment No. **2010PD07** for standing first at M.Tech. in Mechanical Engineering (Product Design and Development) Final Examination 2012.

Gold Medal awarded to **Dayanidhi Krishana Pathak** Enrollment No. **2010PR23** for standing first at M.Tech. in Mechanical Engineering (Production Engineering) Final Examination 2012.

Gold Medal awarded to **Alka Maurya** Enrollment No. **2010GI02** for standing first at M.Tech. in GIS and Remote Sensing Final Examination 2012.

Gold Medal awarded to **Dhiraj Kumar Gupta** Enrollment No. **2009CA53** for standing first at Master of Computer Applications Final Examination 2012.

Gold Medal awarded to **Anamika Singh** Enrollment No. **2010MB11** for standing first at Master of Business Administration Final Examination 2012.

Gold Medal awarded to **Anand Pratap Singh** Enrollment No. **2010MSC07** for standing first at Master of Science (Mathematics & Scientific Computing) Final Examination 2012.

Gold Medal awarded to **Atul Sharma** Enrollment No. **2010MW14** for standing first at Master of Social Work Final Examination 2012.

## 7.6.2 Gold Medals For Under Graduate Examination - 2012

Gold Medal awarded to **Sneha Saxena** Enrollment No. **20080022** for standing first at B.Tech. (Biotechnology) Final Examination 2012.

Gold Medal awarded to **Jitendra Kumar Chaurasiya** Enrollment No. **20088011** for standing first at B.Tech. (Civil Engineering) Final Examination 2012.

Gold Medal awarded to **Kanupriya Sharma** Enrollment No. **20087047** for standing first at B.Tech. (Chemical Engineering) Final Examination 2012.

Gold Medal awarded to **Ayush Ladia** Enrollment No. **20083012** for standing first at B.Tech. (Computer Science & Engineering) Final Examination 2012.

Gold Medal awarded to **Ratnesh Thakur** Enrollment No. **20088010** for standing first at B.Tech. (Information Technology) Final Examination 2012.

Gold Medal awarded to **Madhur Sarin** Enrollment No. **20088056** for standing first at B.Tech. (Electronics & Communication Engineering) Final Examination 2012.

Gold Medal awarded to **Rishi Rahul** Enrollment No. **20082008** for standing first at B.Tech. (Electrical Engineering) Final Examination 2012.

Gold Medal awarded to **Alok Agarwal** Enrollment No. **20081001** for standing first at B.Tech. (Mechanical Engineering) Final Examination 2012.

Gold Medal awarded to **Rishabh Jain** Enrollment No. **20086030** for standing first at B.Tech. (Production & Industrial Engineering) Final Examination 2012.

## 7.6.3 Institute Gold Medal

Institute Gold Medal awarded to **Alok Agarwal** Enrollment No. **20081001** of B.Tech. (Mechanical Engineering) for standing first amongst students of all branches of the Institute Final Examination 2012.

## 7.6.4 Gold Medals – 2012 For Under Graduate Perusing Examination

Gold Medal awarded to **Shobhit Srivastava** Enrollment No. **20098063** of B.Tech. (Computer Science & Engineering) for standing first at B.Tech. **Third Year** Examination 2012.

Gold Medal awarded to **Pakhi Agarwal** Enrollment No. **20104095** of B.Tech (Computer Science and Engineering) for standing first at B.Tech. **Second Year** Examination 2012.

Gold Medal awarded to **Nishank Gupta** Enrollment No. **20114008** of B.Tech (Computer Science and Engineering) for standing first at B.Tech. **First Year** Examination 2012.



## Convocation

# Centre for Interdisciplinary Research (CIR)



# 8

## RESEARCH AND DEVELOPMENT ACTIVITIES

Research and Consultancy (R&C) **8.1**

Research Projects **8.2**

Consultancy Projects **8.3**

Sponsored Research Projects Completed **8.4**

Institute-Industry Interaction **8.4**



# 8. Research and Development Activities

## 8.1 Research and Consultancy (R & C)

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 actively participating in research and development projects. Institute faculty provides variety of consultancy and testing services to various public and private industries, state and central government construction departments also. The Institute is well-endowed with high-quality equipment and advanced computing facilities. International collaboration with some leading universities and industries by the Institute provides an exciting platform for generating ideas and concepts which is required for meaningful research.

The R&C Cell has been established with the objective of promoting and fostering research, professional consultancy and related extension services. It monitors all research and consultancy activities undertaken by various departments of the Institute.

Some of the major initiatives of the Research and Consultancy Cell are:

1. Link between the Institute and funding agencies for sponsored research projects and, clients for consultancy and testing projects.
2. To facilitate identification, preparation and submission of research proposals to prospective funding agencies.
3. To inculcate research temperament among the young faculty members through institute funding.
4. To organize lectures by distinguished professionals from industry, research organisations and other academic institutes.

## 8.2 Research Projects

The Institute receives a large number of research projects from various organisations including DRDO, ISRO, DST, UPDST, CSIR, UGC and DIT Institutional Research has been further boosted by the Institute to new faculty members.

During the year 2012-13, the Institutes had received a total number of 290 testing and consultancy projects amounting to about Rs. 2.39 crore and new sanction of sponsored research project work of Rs. 2.3 crore.

List of externally funded research project is given in Annexure 7

## 8.3 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 U. P. Jal Nigam, P.W.D, U.P. Awas Vikas Parisad, Rites, N.C. Railway, ADA, G.B. Pant Institute, IFFCO, Power Grid Corporation Ltd. and total fee received was approx. 2.39 crore.

Detail of consultancy is given in Annexure 8

## 8.4 Sponsored Research Projects Completed

**Title of the Project:-**“Special Manpower Development Programme-II”

**Funding Agency:-** Department of Information Technology, New Delhi

**Name of the P.I. and Department:-** Prof. Rajeev Tripathi & Department of Electronics & Communication Engineering

**Date of Commencement:-** April-2005

**Date of Completion:-**31-03-2013

**Achievements:** - A state of art VLSI Design Laboratory equipped with contemporary Electronic Design Automation (EDA) Tools have been established. The Department (i) started M.Tech programme on “Microelectronics” & VLSI Design” (ii) introduced two compulsory courses in B.Tech Electronics & Communication Engineering in the area of VLSI (iii) introduced one compulsory course in B.Tech Electrical Engineering (iv) introduced four elective courses in the area of VLSI in other specialization of M.Tech programme (v) using the resources and facilitates developed through SMDP-II, four Ph.D’s have been awarded during last four years. Further eight Ph.D. Scholars are actively using the resources for their Ph.D. work.

The Department started active research activities leading to Ph.D. degree. Every year a five weeks Summer Training Programme on VLSI Design and related software’s is conducted for the students of other Engineering

Institutions. The department also organized Faculty development Programme of one week and two weeks for faculty members from other Engineering Institutions. The main objective of the project apart from development of VLSI Design Lab was to train manpower in the field of VLSI design which has been achieved.

**Title of the Project:** - "Study of magnetodielectric effect in BaTiO<sub>3</sub>/Fe<sub>3</sub>O<sub>4</sub> Core/shell nanostructures"

**Funding Agency:** - Department of Science & Technology, New Delhi

**Name of the P.I. and Department:** - Dr. Naresh Kumar & Department of Physics

**Date of Commencement:** - 12-08-2009

**Date of Completion:**-11-08-2012

**Achievements:** - To achieve this project the Core/shell nanoparticles of BaTiO<sub>3</sub>/Fe<sub>3</sub>O<sub>4</sub> have successfully been synthesized. The temperature dependent dielectric constant at selected frequencies have combined the characteristic of BaTiO<sub>3</sub> and Fe<sub>3</sub>O<sub>4</sub> as expected by the Maxwell-Garnett equation along with the metal-insulator Verwey transition (TV) of Fe<sub>3</sub>O<sub>4</sub> near 125K. Moreover, at 20K the application of external magnetic field of 1T has reduced the dielectric constant possibly due to strain mediated ferroelectric and ferromagnetic coupling between the core and the shell. A successful synthesis of BaTiO<sub>3</sub>/ZnFe<sub>2</sub>O<sub>4</sub> core/shell nanoparticles has been done via co-precipitation cum sonochemical approach and observed. A high frequency (1MHz), a change of 1.3% in dielectric constant under the influence of 1T external magnetic field has been observed in this core/shell system and might be interesting for possible applications. Observed ferroelectric and ferromagnetic responses in the core/shell nanoparticles of BaTiO<sub>3</sub>/ZnFe<sub>2</sub>O<sub>4</sub> and BaTiO<sub>3</sub> and Fe<sub>3</sub>O<sub>4</sub> may be useful for multifunctional devices. We believe that this work would be of interest to scientists working in the field of nanoscience, multiferroic materials and multifunctional devices etc. Two students are pursuing their Ph.D. work. Four research papers have been published in peer reviewed journals and one paper under review. One paper is published in reputed conference proceedings.

**Title of the Project:** - "Process Development for bioremediation of industrial grease and oil waste: creating a safe working and living environment for industrial worker"

**Funding Agency:** - Department of Science & Technology, New Delhi

**Name of the P.I. and Department:** - Dr. Sangeeta Negi & Department of Biotechnology

**Date of Commencement:** - 10-02-2010

**Date of Completion:**-09-02-2013

**Achievements:** - Achievements of this project are 05 microbial cultures isolated from grease contaminated soil, which can be used for bioremediation and enzymes production purposes. Purchased few equipments like BOD Incubator, DO meter, Data processor. JRF working under this project has completed his Ph.D. from department. Published 06 research papers related to the project. Filed one patent (under process). One workshop was conducted regarding 'Awareness about socioeconomic and health impact of industrial grease waste' at Electric Loco shed Allahabad.

**Title of the Project:** - "Preparation, characterization and biological activity of fluorescence based chitosan for biomedical applications"

**Funding Agency:** - University Grant Commission, New Delhi

**Name of the P.I. and Department:** - Prof. P.K. Dutta & Department of Chemistry

**Date of Commencement:** - 01-05-2009

**Date of Completion:**-31-10-2012

**Achievements:** - The research project was targeted to synthesize chitosan based fluorescent derivatives for the biomedical applications. Chitosan is poly-cationic biopolymer with high antimicrobial activity. It is composed of polymeric 1 → 4-linked 2-amino-2-deoxy-β-D-glucose. Because of its broad spectrum of antimicrobial activity, inherent biodegradability and biocompatibility, and easy to process, chitosan has been used in many applications. The research project was targeted to synthesize compounds having fluorescent chromophores such as 2,3-bis(5'-formyl pyrrol-2'-yl) quinoxaline and many more and their respective derivatives. The synthesized compound was characterized by Fourier Transform Infra Red spectroscopy, Carbon, Hydrogen and Nitrogen analysis, Nuclear Magnetic Resonance and Photoluminescence spectroscopy. The pure compound was then derivatized with chitosan in different ratio and the film was prepared by solution casting method. The film was characterized by FTIR, XRD, SEM, PL and antibacterial studies. The film shows excellent fluorescent activity which can be used for different biomedical applications. One Ph.D. awarded and two students are pursuing their Ph.D. work. Nine research papers have been published in peer reviewed journals. Four papers are published in reputed conference proceedings.

**Title of the Project:-** “Cure dependent material characterization of composite prepregs: experimental part”

**Funding Agency:** - AR&DB, New Delhi

**Name of the P.I. and Department:** Dr. Dharmendra Kumar Shukla & Department of Mechanical Engineering.

**Date of Commencement:** - 01-02-2008

**Date of Completion:**-31-05-2012

**Achievements:** - The primary goal of the project is to determine the cure dependent properties (moduli of elasticity, viscoelastic properties, heat of reaction, glass transition temperature etc.) of the composite prepregs being used in the fabrication of primary structures in the Indian aerospace sector. This material property database (degree of cure and viscoelastic properties) of prepregs is used for accurate 3-d FEM modeling (residual stresses / warpage due to resin shrinkage etc.) of polymer composite components manufactured by autoclave process, which is being carried out at IIT Kanpur. Degree of cure for the composites prepregs was determined earlier. Multi-frequency (0.1 to 100 Hz) scan of dynamic mechanical properties in dual Cantilever mode was obtained. Time-Temp superposition (TTS) principle was applied on the data obtained to generate a Master Curve using shift factor and WLF equation was applied to determine Relaxation Modulus and Relaxation Times. This was given as input in ABAQUS UMAT to carry out modeling of autoclave manufacturing of composites. Two research papers have been published in peer reviewed journals.

**Title of the Project:** - “Investigation of chemical gas sensors based on low cost thin films of metal-oxide semiconductors”

**Funding Agency:** - Department & Science & Technology, New Delhi

**Name of the P.I. and Department:** - Prof. P.P. Sahay & Department of Physics

**Date of Commencement:** - 20-04-2009

**Date of Completion:**-19-04-2012

**Achievements:** - Chemical gas sensors based on spray-deposited ZnO and In<sub>2</sub>O<sub>3</sub> thin films have been investigated. ZnO nanoparticle thin films have been found to exhibit selective high response to propan-2-ol, followed by ethanol and methanol, respectively. This selectivity is more pronounced in the region of lower operating temperatures and concentrations. Among all the In-doped ZnO thin films investigated, the 1 at % In-doped film has been found to exhibit the maximum response 96.8% to 100 ppm of acetone in air at the operating temperature of 3000 C.

Even at a lower concentration of 25 ppm, the response to acetone in this film has been found to be more than 90% at 3000 C. Influence of Fe doping on the structural, optical and acetone sensing properties of the ZnO thin films has been studied. Acetone response of the film has been found to enhance on Fe doping and be maximum ( $\approx 72\%$ ) at 3000 C for 100 ppm concentration in the case of 1 at % Fe-doped film. Another important result achieved is that at 3000 C the In<sub>2</sub>O<sub>3</sub> film exhibits a very high response 99% to methanol vapour at a concentration of 40 ppm in air. One Ph.D. awarded and five research papers have been published in peer reviewed journals.

**Title of the Project:** - “Generation of improved photovoltaic devices for making efficient dye sensitized solar cells”

**Funding Agency:** - Department & Science & Technology, New Delhi

**Name of the P.I. and Department:** - Dr. Ashutosh Pandey & Department of Chemistry

**Date of Commencement:** - 28-08-2009

**Date of Completion:**-31-10-2012

**Achievements:** - Synthesis, characterization and applications of some novel organostannic dyes for DSSs was the objective of the project. New dyes were made out of multi step processes and characterized by elemental analyses, IR spectroscopy and multinuclear NMR spectroscopy. New type of TiO<sub>2</sub>-WO<sub>3</sub> admixed septum-based semiconductor photo-electrochemical (SC-SEP,PEC) solar cell for photo-electrochemical measurement and hydrogen production. The SC-SEP cell in the configuration of SCE/1 M NaOH/TiO<sub>2</sub>(ns)/Ti/H<sub>2</sub>SO<sub>4</sub>+K<sub>2</sub>SO<sub>4</sub>/PtCE, PtWE showed photo-voltage and photo-current of 0.72V and 8.6 mA/cm<sup>2</sup>, respectively, whereas the SC-SEP cell employing WO<sub>3</sub> admixed TiO<sub>2</sub>(ns) photoelectrode with the configuration: SCE/1 M NaOH/TiO<sub>2</sub>(ns)-WO<sub>3</sub>/Ti/H<sub>2</sub>SO<sub>4</sub>+K<sub>2</sub>SO<sub>4</sub>/PtCE, PtWE, showed photo-voltage and photo-current of 0.96V and 15.6 mA/cm<sup>2</sup>, respectively. The hydrogen gas evolution for the SC-SEP cell based on TiO<sub>3</sub>(ns)/Ti photo-electrode was found to be 8.2 l/h/m<sup>2</sup>, while the WO<sub>3</sub>-MODIFIED NS-TiO<sub>2</sub> exhibited a higher hydrogen gas evolution rate of 13.8 l/h/m<sup>2</sup>. The improved performance of new photo-electrode is due to improved spectral response of WO<sub>3</sub> for the hydrogen gas evolution kinetics. Nine papers have been published in peer reviewed journals.

**Title of the Project:** - “Design Simulation, Modeling and Mechanical Properties Characterization of CNT Nanocomposites”

**Funding Agency:** - Advanced Systems Laboratory (ASL), Hyderabad



**Name of the P.I. and Department:** - Prof. K.K. Shukla & Department of Applied Mechanics

**Date of Commencement:** - F.Y.2008- 2009

**Date of Completion:** - F.Y.2012-13

**Achievements:** - Simulation and modeling of CNT reinforced composites were carried out using Molecular Dynamics Simulation (Materials Studio software) and Finite Element Method (ANSYS). Mechanical properties of the CNT nano composites were obtained and the results were compared with the available literature. Experimental studies on the CNT reinforced composites were also carried out to evaluate their mechanical properties using Dynamic Mechanical Analyser and SEM with micro UTM. Materials Studio Software and SEM with mirco UTM (Kept in CIR and is being used as a Central Facility in CIR, MNNIT Allahabad) have been procured from this project grant.

Based on work carried the recommendations made are: (i) CNT should be neither too short nor too long. (ii) Aspect ratio of CNT should be preferably between 200-400. (iii) The elastic properties of the interphase between CNT and matrix should not be less than twice of the matrix. (iv) Functionalization of CNTs should be done carefully. One Ph.D. and six M.Tech thesis completed. Eight research papers have been published in peer reviewed journals.

## 8.5 Institute-Industry Interaction

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 the industries. The Cell establishes contact with the industries for getting industrial projects for undergraduate and postgraduate students and also gets R & D projects for the faculty members.

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. Similarly Institute invites Engineers and Scholars working in the industries and Institutions for delivering special lectures to the students and faculty.

The Institute Industry Interaction Cell makes constant efforts to develop a win-win relationship with the industries. The motive is to promote participation of industry not only in consultancy but also in the area of Curriculum Development.



# 9

## CONCESSIONS FOR SC/ST/OBC & PHYSICALLY CHALLENGED STUDENTS/ STAFF

Concessions Provided for Students **9.1**

Concessions Provided for Staff **9.2**



## 9. Concessions for SC/ST/OBC/Physically Challenged Students/ Staff

### 9.1 Concessions Provided for Students

Seats are reserved for SC/ST/OBC and handicapped students for the undergraduate and postgraduate courses as per Central Government norms. The Central government as well as state government also provides scholarships to SC/ST students. Detail of scholarships provided is given as under.

#### 9.1.1 Scholarship received from Central Government

Sl. No.	Category	Course and Year in which studying	No. of students received the scholarship
1	SC	B.Tech 1 <sup>st</sup> Year	9
2	SC	B.Tech 2 <sup>nd</sup> Year	8
3	SC	B.Tech 3 <sup>rd</sup> Year	4
4	SC	B.Tech 4 <sup>th</sup> Year	6
5	ST	B.Tech 1 <sup>st</sup> Year	5
6	ST	B.Tech 2 <sup>nd</sup> Year	4
7	ST	B.Tech 3 <sup>rd</sup> Year	1
8	ST	B.Tech 4 <sup>th</sup> Year	2

#### 9.1.2 Scholarship received from State Government

Sl. No.	Category	Course and Year in which studying	No. of students received the scholarship
1	SC	B.Tech 1 <sup>st</sup> Year	24
2	SC	B.Tech 2 <sup>nd</sup> Year	58
3	SC	B.Tech 3 <sup>rd</sup> Year	51
4	SC	B.Tech 4 <sup>th</sup> Year	29
5	SC	MCA 1 <sup>st</sup> Year	2
6	SC	MCA 2 <sup>nd</sup> Year	1
7	SC	MCA 3 <sup>rd</sup> Year	1
8	SC	MBA 1 <sup>st</sup> Year	4
9	SC	MBA 2 <sup>nd</sup> Year	3
10	ST	B.Tech 1 <sup>st</sup> Year	3
11	ST	B.Tech 2 <sup>nd</sup> Year	7
12	ST	B.Tech 3 <sup>rd</sup> Year	7
13	ST	B.Tech 4 <sup>th</sup> Year	1
14	OBC	B.Tech 1 <sup>st</sup> Year	57

Sl. No.	Category	Course and Year in which studying	No. of students received the scholarship
15	OBC	B.Tech 2 <sup>nd</sup> Year	97
16	OBC	B.Tech 3 <sup>rd</sup> Year	99
17	OBC	B.Tech 4 <sup>th</sup> Year	43
18	OBC	MCA 1 <sup>st</sup> Year	13
19	OBC	MCA 2 <sup>nd</sup> Year	3
20	OBC	MCA 3 <sup>rd</sup> Year	6
21	OBC	MBA 1 <sup>st</sup> Year	10
22	OBC	MBA 2 <sup>nd</sup> Year	9

## 9.2 Concessions Provided for Staff

Institute provides reservation in appointment of teaching and non-teaching staff as per MHRD / Govt. of India orders / guidelines issued from time to time.

In this year positions of faculty in the various departments were filled under the special drive recruitment for SC/ST and OBC categories including the backlog vacancies. Detail is given in the following table:

### 9.2.1 Faculty Recruitment in SC/ST and OBC Categories

Sl. No.	Category	No. of vacancies including Backlog	No of positions filled
1	SC	11 (Backlog- Nil)	09
2	ST	10 (Including 04 Backlog vacancies)	07
3	OBC	39 (Including 19 Backlog vacancies)	32



# 10

## FACULTY ACHIEVEMENTS

Department of Applied Mechanics **10.1**

Department of Biotechnology **10.2**

Department of Civil Engineering **10.3**

Department of Chemical Engineering **10.4**

Department of Chemistry **10.5**

Department of Computer Science & Engineering **10.6**

Department of Electrical Engineering **10.7**

Department of Electronics & Communication Engineering **10.8**

Department of Humanities & Social Sciences **10.9**

Department of Mathematics **10.10**

Department of Mechanical Engineering **10.11**

Department of Physics **10.12**

School of Management Studies **10.13**

GIS Cell **10.14**

# 10. Faculty Achievement

## 10.1 Department of Applied Mechanics

The Department of Applied Mechanics is established in 1964. The Department offers courses at undergraduate level on Solid Mechanics, Fluid Mechanics, Hydraulic

Machines, Structural Analysis, Material Science, Engineering Mechanics, Mechanics of Deformable Solids, Structures, Kinematics of Mechanics, Dynamics of Machines, Theory of plates & shells, Mechanical Vibration and Nano Technology.

The department runs four Post Graduate (M.Tech.) programmes (i) Applied Mechanics, (ii) Material Science & Engineering, (iii) Fluids Engineering, and (iv) Biomedical Engineering. The department also offers Ph.D programme in these areas.

### I. List of Ph.D Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Jeeoot Singh	Some Studies on linear and Nonlinear Analysis of Rectangular Plates Using RBF based Meshfree Method	Prof. K.K.Shukla & Prof. T.Nath

### II. List of M.Tech Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Sandeep Kumar Gupta	Development and Characterization of Rice Starch-Rubber Latex-Jute Fibre based Bio-Composite	Dr. K.M. Gupta and Prof. R.P.Tewari
2.	Pavan Kumar Tungala	Supersonic Flutter of Rectangular Composite Plates with Variable Fiber Spacing	Prof. K.K.Shukla
3.	Binay Kumar Pandey	Buckling Analysis of Axially Inhomogeneous Beams with Elastic Restraint	Prof. K.K.Shukla & Prof. A.K.Govil
4.	Saumya Shah	Thermal Buckling and Post buckling Behavior of CNT Reinforced Composite Laminated plate	Prof. K.K.Shukla
5.	Pankaj Upadhyay	Buckling Analysis of Laminated Composite Skew Plates With and Without Cutouts	Prof. K.K.Shukla & Er. A.K.Upadhyay
6.	Soni Kumari	Stress analysis for an infinite plate with circular holes	Prof. K.K.Shukla & Er. A.K. Upadhyay
7.	Rahul B. Patil	Static and Vibration analysis of Laminated Composite and Sandwich Plates	Prof. K.K.Shukla
8.	Sunil Kumar Singh	Effect of Air Inlet velocity on Separation Performance of Cyclone	Prof. Anuj Jain
9.	Omkar Prakash	CFD Analysis of Holdup in Cyclone	Prof. Anuj Jain



Sl. no.	Name of Student	Thesis title	Supervisor(s)
10.	Shilpi Roy	Computational Analysis of Drag Reduction on Hatchback Car using Vortex Generator	Prof. Anuj Jain
11.	Amit Kumar	Effects of Tumor on Flow Patterns in Realistic Human Airways Using Computational Fluid Dynamics Analysis	Prof. Anuj Jain, Prof. A.D. Bhatt
12.	Neha Saxena	Physiochemical and Biological Evaluation of Chitosan Alginate Gelatin Scaffold for Tissue Engineering Application	Prof. Anuj Jain, Prof. PK Dutta
13.	Ruchi	Characterisation and Segmentation of Brain Tumor Using CT Images	Prof. Anuj Jain, Dr. Sandeep Jaiswal
14.	Rahul Agarwal	Synthesis and Characterisation of Ce substituted Barium Hexaferrite for Microwave Application	Prof. Anuj Jain
15.	Rachna Sagar	Synthesis and Characterization of Chitosan-Metal Oxide Nanocomposite for Antimicrobial Drug Delivery	Prof. R.P.Tewari
16.	Neeraj Kumar Gupta	Synthesis and Characterization of Metal Oxide -Polymer Nanocomposite for Drug Delivery System	Prof. R.P.Tewari
17.	Jeevika	Anti-infective Coating Over Biomaterial	Prof. R.P.Tewari and Dr. N.K.Singh
18.	Nityanand Singh	Comparative Analysis of EMG of Lower Limb Muscles of Healthy and Polio Affected Persons	Prof. R.P.Tewari and Dr. S.Jaiswal
19.	Sarita	Comparative Study of Coating of Polyethylene Glycol, Cross Linked Polyethylene Glycol and Polyethylene glycol Chitosan Conjugate	Prof. R.P.Tewari
20.	Sanjeev Kumar Sachan	Digitization and Compression of ECG Records	Prof. R.P.Tewari and Dr. Basant Kumar (ECED)
21.	Karun Prakash	Image Registration and Quality Assessment of Registered Images	Prof. R.P.Tewari and Dr. Basant Kumar (ECED)
22.	Mukesh Kumar Singh	Analysis and Design of Femur Shaft Under Buckling Using CT Scan Data	Prof. R.P.Tewari and Dr. A.K.Govil
23.	Suman Shekhar	Preparation and Characterization of Poly Vinyl Alcohol Sodium Alginate Blend Gel for Wound Dressing	Prof. R.P.Tewari
24.	Anuj Kumar poonia	Synthesis and Characterization of Silica Nanoparticle for Control Drug Delivery	Prof. R.P.Tewari and Dr. Vishnu Agrawal
25.	Pradeep Kumar Singh	Acoustic Simulation and Sound Pressure Measurement in a Rectangular Room	Dr. S. J. Pawar
26.	Vinay Pathak	Studies on Flow Control over Humps using Acoustic and Piezoactuator	Dr. S. J. Pawar and Dr. A. R. Paul
27.	Ramakant Pandey	Unsteady Flow Simulation around a Square Cylinder using Upstream Rod	Dr. A.R. Paul
28.	Rangesh Pandey	Analysis of Unsteady Flow through a Throttle Valve of IC Engine during Transient Operation	A.R. Paul & Dr. S. Saraswati.

Sl. no.	Name of Student	Thesis title	Supervisor(s)
29.	Anurag Kulshrestha	Studies of Vortex Generator Jets on Flow Separation Control	Dr. A.R. Paul
30.	Ashish Mittal	Slotted Flow Separation Control over a NACA 2412 Airfoil	Dr. A.R. Paul
31.	Hemant Verma	Buckling and Free Vibration Analysis of a Composite Plate using Two Variable Refined Plate Theory	Dr. Ramesh Pandey
32.	Pradeep Kumar Mishra	Free Vibration and Static Analysis of Stiffened Plate	Dr. Ramesh Pandey
33.	Gaurav Verma	Analysis of Laminated Composite Plates using ABAQUS	Dr. Ramesh Pandey
34.	Shivana Gowda Chokka	A Study on Finite Element Analysis of Laminated Composite Stiffened Shell Structure	Dr. Anindya Bhar
35.	Arun Kumar Singh	Vibration Analysis of Reservoir Lock Gate Structures considering Fluid Structure Interaction	Dr. Anindya Bhar and Dr. P. R. Pal (CED)
36.	Upendra Kumar Yadav	Analysis of Laminated Stiffened Plates Using Finite Element Method: Some parametric Study	Dr. Anindya Bhar

### III. Publication in Journals *International*

1. K.M. Gupta, and Nishu Gupta, "Emerging Scope of Hybrid Solar Cells in Organic Photovoltaic Applications by Incorporating Nanomaterials," *International Journal of Advanced Materials Research*, vol.548, pp 143-146, 2012 (Impact Factor - not found).
2. K.M. Gupta, Pratibha Tiwari and Nishu Gupta, "Advanced Thermoelectric Materials in Electrical and Electronic Applications," *International Journal of Advanced Materials Research*, vol 685, pp 161-165, 2013 (Impact Factor - not found).
3. G.Bhardwaj, A.K.Upadhyay, R. Pandey and K.K. Shukla, "Non-linear Flexural and Dynamic Response of CNT Reinforced Laminated Composite Plates," *Composites*, 45, 89-100, February, 2013 (Impact Factor - not found).
4. A.K.Upadhyay and K.K.Shukla, "Large Deformation Flexural Behavior of Laminated Composite Skew Plates: An Analytical Approach," *Composite Structures*, 94, 3722-3735, 2012 (Impact Factor - not found).
5. Ramesh Pandey, A. K.Upadhyay, K.K.Shukla and Anuj Jain, "Nonlinear Dynamic Response of Elastically Supported Laminated Composite Plates," *J.Mechanics of Advanced Materials and Structures*, 19(6), 397-420, 2012 (Impact Factor - not found).
6. Jeeoot Singh and K.K.Shukla, "Nonlinear flexural analysis of functionally graded plates under different loadings using RBF based meshless method," *Engineering Analysis with Boundary Elements*, 36, 1819-1827, 2012 (Impact Factor - not found).
7. T.Ramesh, R.Prakash K.K.Shukla, "Life cycle approach in evaluating energy performance of residential buildings in Indian Context," *Energy and Buildings*, 54, 259-265, 2012 (Impact Factor - not found).
8. Jeeoot Singh and K.K.Shukla, "Nonlinear flexural analysis of laminated composite plates using RBF based meshless method," *Composite Structures*, 94, 1714-1720, 2012 (Impact Factor - not found).
9. T.Ramesh, R.Prakash and K.K.Shukla, "Life Cycle Energy Analysis of Residential Buildings with Different Envelopes and Climates in Indian Context," *J. Applied Energy*, 89(1), 193-202, 2012 (Impact Factor - not found).
10. Ashish Mishra, Amit Srivastava, Prof. R.P.Tewari and Rakesh Mathur, "EMG Analysis of Lower Limb Muscles for Developing Robotic Exoskeleton Orthotic Device," *Procedia Engineering*, Volume 41, Pages 32-36, 2012 (Impact Factor - not found).
11. Laxmi Upadhyaya, Jay Singh, Vishnu Agarwal and Ravi Prakash Tewari, "Biomedical Application of Carboxymethyl Chitosan," *Carbohydrate Polymers* Vol. 91 pp. 452-466, 2012 (Impact Factor - not found).
12. Chen-Hung Huang, S. J. Pawar, Zih-Jyun Hong, and Jin H. Huang, "Earbud-Type Earphone Modeling and Measurement by Head and Torso Simulator," *Acoustics* Issue 5, pp. 461-469, 2012 ((Impact Factor = 0.997).
13. Chun Chang, S. J. Pawar, Soar Weng, Y. C. Shiah, and Jin H. Huang, "Effect of Nonlinear Stiffness on the Total Harmonic Distortion and Sound Pressure Level of a Circular

- Miniature Loudspeaker-Experiments and Simulations," IEEE Transactions on Consumer Electronics, Vol. 58, No. 2, pp. 212-220, May 2012 ((Impact Factor = 1.087).
14. S. J. Pawar, Soar Weng, and Jin H. Huang, "Total Harmonic Distortion Improvement for Elliptical Miniature Loudspeaker Based on Suspension Stiffness Nonlinearity, " IEEE Transactions on Consumer Electronics , Vol. 58, No. 2, pp. 221-227, May 2012 ((Impact Factor = 1.087).
  15. Soar Weng, S. J. Pawar, and Jin H. Huang, "Magnetic Motor Nonlinearity Modifications for Total Harmonic Distortion Improvement of an Elliptical Microspeaker," IEEE Transactions on Magnetics, Vol. 48, No. 12, pp. 4811-4814, Dec. 2012 (Impact Factor = 1.363).
  16. Vivek Kumar Srivastav, Akshoy Ranjan Paul and Anuj Jain, "Computational Fluid Dynamics Study of Airflow and Particle Transport in Third to Sixth Generation Human Respiratory Tract, " International Journal of Emerging Multidisciplinary Fluid Sciences, vol. 3, no. 4, pp. 227-234, 2011-12 (Impact Factor - not found).
  17. Abhishek Kumar, Vijaya Agarwala, and Dharmendra Singh, "Effect of Mg Substitution on Microwave Absorption of BaFe<sub>12</sub>O<sub>19</sub>," Advanced Materials Research, vol. 585, pp. 62-66, Nov. 2012 (Impact Factor - not found).
  18. Abhishek Kumar, Vijaya Agarwala, and Dharmendra Singh, "Effect of Particle Size of BaFe<sub>12</sub>O<sub>19</sub> on the Microwave Absorption Characteristics in X-Band," Progress In Electromagnetics Research M, 29, pp. 223–236, March, 2013 (Impact Factor - not found).
  19. S. Singh, K. V. Kulkarni, R. Pandey and H. Singh, "Buckling Analysis of Thin Rectangular Plates with Cutouts subjected to Partial Edge Compression using FEM," Journal of Engineering, Design and Technology (Emerald), vol. 10(1), pp. 128-142, 2012 (Impact Factor - not found).
  20. Javed M. N., Bhar A. and Upadhyay A., "Effect of Stiffener on Composite Plate under Low Velocity Impact," International Refereed Journal of Engineering and Science, Vol. 2(2), pp. 40-44, February, 2013 (Impact Factor - not found).
  21. Pal P. and Bhar A., "The Displacement Perspective During Ultimate Failure of Composite Laminates," Applied Composite Materials, Vol. 20, pp. 171-18, January, 2013 (Impact Factor - not found).
  2. K.M. Gupta, "Sandwich Composite Materials: Construction and Applications," ICKEM 2012, Singapore, February 26-28, 2012, Keynote Lecture.
  3. K.M. Gupta and Asheesh Kumar, "Development and Characterization of a Novel Dual Green Fibre Composite with Different Compositions of Material System," Europe-American Multi-disciplinary Academic International Conference on Arts and Science (IJAS) , Paris, France , April 16-19, 2012.
  4. K.M. Gupta and Nishu Gupta, "Emerging Scope of Hybrid Solar Cell in Organic Photovoltaic Applications by Incorporating Nanomaterials," 3rd International Conference on Materials and Manufacturing Technology (ICMMT 2012), Chengdu, China , May 05-06, 2012.
  5. K.M. Gupta, "Trends in Recent Materials and Manufacturing Technology," ICMMT 2012, Chengdu, China, May 05-06, 2012, Conference Chair Opening Speech.
  6. K.M. Gupta, "Starch-Natural Fibre based Bio-composite Materials: A New Horizon in Material Development," ICMMT 2012, Chengdu, China, May 05-06, 2012, Keynote Lecture.
  7. K.M. Gupta and Ankur Kumar Gupta, "Trends in Research of Sandwich Composite under Vibration," 3rd International Conference on Materials and Manufacturing Technology (ICMMT 2012), Chengdu, China, May 05-06, 2012.
  8. K.M. Gupta, S. K. Agrawal and Mihir Kumar Pandey, "Investigation of the Effect of Wind Strike on Wind Turbine Blade of Composite Material," Twentieth International Conference on Composites/Nano Engineering (ICCE-20), Beijing, China, July 22-28, 2012.
  9. K.M. Gupta and Mahesh Chandra Kaushal, "Investigation of Elastic Responses for a Magneto-Electro-Thermo-Elastic Sandwich Plate," 8th South Africa International Conference on Computation and Applied Mechanics (SACAM 2012) Johannesburg, South Africa, September 01-04, 2012.
  10. K.M. Gupta and Ayush S, "Functionally Graded Materials for Application as Construction and Building Materials," Conference 2012 International Symposium on Technology for Sustainability (ISTS 2012), Bangkok, November 21-24, 2012.
  11. K.M. Gupta and Brahma Yadav, "Development and Characterization of a Novel Potato Starch, Jackfruit Latex, and Jute Fibre Based Bio-Hybrid Composites," 3rd International Conference on Advanced Materials Research (ICAMR 2013), Dubai, UAE, January 19-20, 2013 (Impact Factor - not found).

#### IV. Publication In Conferences *International*

1. K.M. Gupta, "Key Engineering Materials," ICKEM 2012, Singapore, February 26-28, 2012, Conference Chair Opening Speech.

12. K.M. Gupta, Pratibha Tewari and Nishu Gupta, "Thermoelectric Materials in Electrical and Electronic Applications" 3rd International Conference on Advanced Materials Research (ICAMR 2013), Dubai, UAE, January 19-20, 2013.
13. K.M. Gupta, Nishu Gupta and Isha Bharti, "Novel Applications of Functionally Graded Nano, Optoelectronic and Thermoelectric Materials", International Conference on Nano and Material Engineering (ICNME 2013), Bangkok, 08-09 April 2013.
14. A.K.Upadhyay and K.K.Shukla, "Static and Dynamic Analysis of Functionally Graded Skew Plates," Static and Dynamic Analysis of Functionally Graded Skew Plates, IIT Hyderabad, India, DEC-2012.
15. J.Singh and K.k.Shukla, "Nonlinear Free Vibration of Functionally Graded Plates using Multiquadric collocations," The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, India Dec-2012.
16. R.B.Patil and K.K.Shukla, "Static and Vibration analysis of Laminated Composite and Sandwich Plates," The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, India, Dec-2012.
17. A.K.Upadhyay and K.K.Shukla, "Buckling of Laminated Composite and Sandwich skew Plates," The Third Asian Conference on Mechanics of Functional , IIT Delhi, India, Dec-2012.
18. P.K.Tungala and K.K.Shukla, "Supersonic Flutter of Rectangular Plates with Variable Fiber Spacing," The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, India, Dec-2012.
19. J.Singh and K.K.Shukla, "Buckling Analysis of Laminated Composite and Sandwich Plates subjected to Different In-plane Loadings," 8th South African Conference on Applied Mechanics, SACAM-2012, University of Johannesburg, South Africa, Sept-2012.
20. A R Paul, Shrey Joshi, Aman Jindal, Shivam P. Maurya, Prabhakar K. Tiwari and Anuj Jain, "Effects of Upstream Rod's Shape on Drag on a Square Cylinder," Proc. of International Conference of PSRC on Mechanical, Automotive and Materials Engineering (ICMAME'2013), Hongkong, 26-27 Jan 2013, pp. 35-40.
21. Mukesh Kr.Singh, A.K.Govil and Prof. R.P.Tewari, "Biomechanical and Material Model Analysis of Femur Shaft under Buckling Using CT-Scan Data, 2012)," The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS), IIT Delhi, New Delhi, India, December 5-8, 2012.
22. S. J. Pawar, Jin H. Huang, and Zih-Jyun Hong, "Effect of electronic device assembly (fixture tube) on the frequency response of a miniature loudspeaker during end use," 6th European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2012), Vienna, Austria, September 10-14, 2012.
23. Abhishek Kumar, Vijaya Agarwala, Dharmendra Singh and Rajkumar Jani, "Effect of Silicon Carbide Morphology on Dielectric Properties at X-band," 57th DAE Solid State Physics Symposium (SSPS-DAE 2012), Indian Institute of Technology - Bombay, Mumbai, December 3-7, 2012.
24. Abhishek Kumar, Vijaya Agarwala, and Dharmendra Singh, "Effect of Mg substitution on microwave absorption of BaFe<sub>12</sub>O<sub>19</sub>," International Conference on Advances in Materials and Processing Challenges and Opportunities (AMPCO-2012), IIT Roorkee, 2012, pp. 62-66 November 2-4 2012.
25. Abhishek Kumar, Vijaya Agarwala and Dharmendra Singh, "Effect of calcination temperatures on morphology and microwave absorption properties of SiC," International Conference on Material Science and Technology (ICMST-2012), Kottayam, Kerala, June 10-14, 2012, pp 57.
26. Abhishek Kumar, Vijaya Agarwala and Dharmendra Singh, "Synthesis, Reaction Kinetic and Microwave Absorption Studies of BaFe<sub>12</sub>O<sub>19</sub> Nanocrystals," International Conference on Functional Materials for Defence (ICFMD-2012), Defence Institute of Advanced Technology, Pune, May 18-22, 2012, pp 50.

## National

1. K.M. Gupta and Isha Bharti, "World of Biomimetics and Biomimetic Materials : The Design of Nature", Published in National Conference on Chemistry and Life, C.M.P. Degree College on September 16-17, 2012, University of Allahabad, Allahabad, India.
2. Akshoy Ranjan Paul, Ramakant Pandey, Aman Jindal, Prakhari Kant Tiwari and Anuj Jain, "Studies of Drag on Square Cylinder with Upstream Rod in Staggered Arrangement", Published in National Conference on Proceedings of 6th National Conference on Wind Engineering, (NCWE-2012) on 14-15 December 2012, pp. 169-179, New Delhi, India.

3. Akshoy Ranjan Paul, Ashish Mittal and Anuj Jain, "Slotted flow separation control over a NACA2412 airfoil", Proceedings of 39th National Conference on Fluid Mechanics & Fluid Power (FMFP-2012), on 13-15 December 2012, SVNIT, Surat, India.
4. Vivek Kumar Srivastava, Akshoy Ranjan Paul and Anuj Jain, "CFD Simulation of Airflow and Particle Deposition in Third to Sixth Generation Human Respiratory Tract", Published in Proceedings of 39th National Conference on Fluid Mechanics & Fluid Power (FMFP-2012), on 13-15 December 2012, SVNIT, Surat, India.
5. Abhishek Kumar, Vijaya Agarwala and Dharmendra Singh, "Microwave Absorbing Properties of Metal-Particle Dispersed Al<sub>2</sub>O<sub>3</sub>", Published in Advances in National Materials (ADNAM-2013), February 22-23, 2013, National Institute of Ocean Technology, Chennai.
6. Abhishek Kumar, Kolli Ganapathi, Dharmendra Singh and Vijaya Agarwala, "Radar Cross Section Measurements and Simulations of a regular shapes in the X-band", National Symposium on Space Technology for Food & Environmental Security and Annual Conventions, December 5-7, 2012, Indian Society of Remote Sensing and Indian Society of Geomatics.

## V. Reviewer in International Journals

Sl. no.	Faculty Name	Journal Name
1.	Dr. K.M. Gupta	Journal of Advanced Materials Research (JAMR): Material and Manufacturing III, Volume 548, Journal of Reinforced Plastics and Composites, Sage Publication, USA, Published in Association with The American Society for Composites. Editor-in-Chief of The International Journal of Materials, Mechanics and Manufacturing (IJMMM)
2	Dr. K.K. Shukla	Composites: Part B International journal of Mechanical Sciences.
3	Dr. Akshoy Ranjan Paul	Journal of Applied Fluid Mechanics (JAFM) International Research Journal of Engineering Science, Technology and Innovation (IRJESTI)
4.	Dr. Anindya Bhar	International Journal of Engineering, Science and Technology (MultiCraft Publishers) Arabian Journal for Science and Engineering (Springer).

## VI. Books / Books Chapters Authored

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	Dr. K.M. Gupta	Materials Science, Metallurgy, and Engineering Materials, ISBN No: 978-92-80117-69-0		Umesh Publications, Delhi, 2012
2.	Dr. K.M. Gupta	Environment and Ecology, 5 <sup>th</sup> edition, ISBN 978-93-82533-05-4		Umesh Publications, Delhi.

Sl. no.	Faculty Name	Book	Book chapter	Publisher
3	Dr. K.M. Gupta	Electrical Engineering Materials, Revised and enlarged 5 <sup>th</sup> edition, ISBN 978-81-80176-13-0		Umesh Publications, Delhi.
4.	Dr. S. J. Pawar	Investigations on Electroacoustic Transducers		Lap Lambert Academic Publishing Germany
5.	Dr. Ramesh Pandey	Encyclopedia of thermal stresses	Buckling and Post-Buckling of Composite Plates Under Thermal Loads	Springer Science

### VII. Invited Lectures Delivered

1. A lecture is delivered by Dr. K.M. Gupta, on January 19-20, 2013 at 3rd International Conference on Advanced Materials Research (ICAMR 2013) Dubai, UAE, entitled "Emerging and advanced engineering materials".
2. A lecture is delivered by Dr. K.M. Gupta, on April 8-9, 2013 at International Conference on Nano and Materials Engineering (ICNME 2013) at Bangkok, entitled "Bio-composite Materials and their Applications".
3. A lecture is delivered by Dr. Anuj Jain, on 25-26 Aug 2012 at MNNIT, Allahabad, entitled "Finite Volume Method".
4. A lecture is delivered by Dr. S. J. Pawar, on March 16-20, 2013 at Government College of Engineering, Jalgaon (MS), entitled "Research-Breaking the Ice".
5. A lecture is delivered by Dr. S. J. Pawar, on March 16-20, 2013 at Government College of Engineering, Jalgaon (MS), entitled "Research-Case Studies".
6. A lecture is delivered by Dr. S. J. Pawar, on March 16-20, 2013 at Government College of Engineering, Jalgaon (MS), entitled "Research-Some Issues".

### VIII. Invited Lectures Organized

1. A lecture is delivered by Shri Ashok Kumar, Retd. Deputy Director General, Ministry of Labor and Employment, Govt. of India, on 24<sup>th</sup> September, 2012 entitled "Motivation of effective executive performance; skill building of youth to gain full employment".
2. A lecture is delivered by Shri Ashok Kumar Jain on 17<sup>th</sup> October, 2012 entitled "Some experiences in ferro-cement".

3. A lecture is delivered by Shri Ashok Kumar Jain on 1<sup>st</sup> February, 2013 entitled "Manufacturing building" by pre-fabricated ferrocement units).

### IX. Coordinator/ Co-Coordinator in "Workshops/ Short-Term Courses/ Training Programme

1. K.K. Shukla as Chairman and Dr. Anindya Bhar as Coordinator organized National Workshop on Advanced Functional Materials and Structures" July-2012.
2. S. J. Pawar Organised "Lawn Tennis Camp and Tournament for students of MNNIT, Allahabad" organized during 16 -24 November, 2012..

### X. Conferences/ Workshops/ Short-Term Courses/ Training Programme Attended

1. Dr. K.M. Gupta attended:
  - I. Europe-American Multi-disciplinary Academic International Conference on Arts and Science (IJAS) , Paris, France , April 16-19, 2012.
  - II. 3rd International Conference on Materials and Manufacturing Technology (ICMMT 2012), Chengdu, China , May 05-06, 2012.
  - III. Twentieth International Conference on Composites/Nano Engineering (ICCE-20), Beijing, China, July 22-28, 2012.
  - IV. 8th South Africa International Conference on Computation and Applied Mechanics (SACAM 2012) Johannesburg, South Africa, September 01-04, 2012.
  - V. 3rd International Conference on Advanced Materials Research (ICAMR 2013), Dubai, UAE, January 19-20, 2013.

- Prof. Anuj Jain attended Workshop on Accountability and Responsiveness in Scientific Organizations, under the DST scheme of National Programme for Training of Scientists & Technologists working in the Govt. Sector at Academy of Human Excellence, Vadodara. 7 Jan 2013 - 11 Jan 2013.
- Dr. S. J. Pawar attended Workshop on Accountability and Responsiveness in Scientific Organizations, under the DST scheme of National Programme for Training of Scientists & Technologists working in the Govt. Sector at Academy of Human Excellence, Vadodara. 7 Jan 2013 - 11 Jan 2013.

## XI. Chair (General, Programme,) In Seminar /Conferences

Sl. no.	Faculty Name	Chair (General, session Programme etc.)	Seminar /conferences	Month & year
1.	Dr. K.M. Gupta	Conference Chair	International Conference on Materials and Manufacturing Technology (ICMMT 2012), at Chengdu, China	May 05-06, 2012
2.	Dr. K.M. Gupta	Conference Chair	Annual meeting of Science and Engineering Institute (SCIEI) U.S.A and IACSIT (Singapore), at Hong Kong	December 28-30, 2012
3.	Dr. K.M. Gupta	Conference Chair	3rd International Conference on Advanced Materials Research (ICAMR 2013) at Dubai, UAE	January 19-20, 2013

## XII. Research Projects Ongoing/ Completed

Sl. no.	Principal investigator	Title	Funding Agency	Amount in lakhs	Duration
1.	Dr. K.K. Shukla(PI) Dr. S.B.Mishra, Dr.Mukul Shukla	Design Simulation, Modeling and Mechanical Properties Characterization of Carbon Nano Tube (CNT) Composites	Advanced Systems Laboratory (ASL) a Defense Research and Development Organization (DRDO), Ministry of Defense, Govt. of India	127	Oct. 2008- July 2012 (Completed)

## XIII. Other Relevant Information

- Dr. K.M.Gupta has been chosen for 'National Education Leadership Award' 2012 along with the Certificate of Excellence by Economic Growth Society of India, New Delhi, India.
- Dr. K.M.Gupta has been chosen for 'Gold Star Asia International Award' 2012 along with the Certificate of Excellence by Economic Growth Society of India, New Delhi, India.
- Prof. Anuj Jain is MNNIT Coordinator of The Memorandum of understanding (MOU) signed between Motilal Nehru National Institute of Technology (MNNIT), Allahabad and Bharat Pump and Compressors limited (BPC), Naini Allahabad on 16th November 2012.
- Dr. Akshoy Ranjan Paul has been selected as a Life Member, National Society for Fluid Mechanics & Fluid Power (NSFMFP), IIT Bombay in November 2012.
- To create awareness regarding environment and clear Ganga, Faculty members and students of the department performed cleaning and other social activities during Kumbh-Mela on 17<sup>th</sup> February, 2013 under the banner of the Applied Mechanics Society.

## 10.2 Department of Biotechnology

Biotechnology at MNNIT Allahabad was founded as an academic unit under the Department of Applied Mechanics in 2006, with an intake of 30 students and with the objective of integrating life sciences with engineering to develop cutting-edge technology through research,

training, and technical innovation. The department offers B. Tech programme that provides a strong foundation in Biotechnology which can lead students to both industry as well as research/academia. It also offers a set of core multidisciplinary and specialized elective courses. In addition, the department also runs M.Tech. Programme in Biotechnology.

### I. List of Ph.D Thesis Completed

Sl. No.	Name of Student	Thesis title	Supervisor(s)
1.	Keshav Prasad Shukla	Rhizospheric bacterial diversity of <i>Calotropis</i> spp and their use in Rhizoremediation.	Dr. Shivesh Sharma Dr. NK Singh
2.	Ravindra Pratap Singh	Synthesis and Characterization of Nanomaterials for Biomolecule Conjugation and Photovoltaic devices.	Dr. Anjana Pandey
3.	Pallavi Sinha	Study of Fe-Hydrogenase (hyd A) in hydrogen producing prokaryotic microbe and its comparison with eukaryotic Fe-Hydrogenase.	Dr. Anjana Pandey

### II. List of M.Tech Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Richa Pathak	Impact of mass bathing on the bacteriological water quality of sangam.	Dr. Shivesh Sharma
2.	Madhav Arya	Impact of Bathing on Physico-chemical Quality of Water And Resistance profile Of Prevalent Bacterial Isolates In Sangam.	Dr. Shivesh Sharma
3.	Dharmendra Kumar Joshi	Isolation of Phytase Producing Bacteria and Optimization Phytase Production.	Dr. N.K. Singh
4.	Kumar Avay Chandedra	Collection and Micro-propagation of <i>Cymbopogon flexuosus</i> for extraction of citral oil and study of its various applications.	Dr. N. K. Singh
5.	Anuj Shukla	Development of TILLING Population for Quality improvement Basmati Rice ( <i>Oryza sativa</i> L)	Dr. N.K. Singh
6.	Varija Mall	Exploration of Pine Forest Waste for the Production of Value-added Products.	Dr. Sangeeta Negi
7.	Ayushi Jain	Optimization of Pretreatment Process for Lignocellulosic Bioethanol Production using Pine Litters.	Dr. Sangeeta Negi
8.	Monika Bhashkar	Isolation and Characterization of Copper Tolerant Bacteria and Estimation of its Biofilm forming Capabilities.	Dr. Vishnu Agarwal
9.	Inderjeet	Biofilm Forming Capability Of Zinc Tolerant Bacteria For Heavy Metal Bioremediation .	Dr. Vishnu Agarwal
10.	Piyush Priya	Synthesis And Characterization of Eucalyptus Oil Loaded Silica Nanoparticle And Their Inhibitory Effects Against Biofilm.	Dr. Vishnu Agarwal



Sl. no.	Name of Student	Thesis title	Supervisor(s)
11.	Seema Chaudhary	Semi-Quantitative gene expression and cloning of soxll gene in mouse.	Dr. Manisha Sachan
12.	Ankesh Pandey	Quantitative expression study of c-mos gene transcript in mouse during development.	Dr. Manisha Sachan
13.	Noopur Singh	Biological Synthesis and Characterization of Lead Sulphide Nanoparticles Simultaneous To Its Bioremediation .	Dr. Seema Nara
14.	Richa Ballabh	Tempalte Based Syntheses of Gold Nanotubes (Au-NTs) Assisted by Biological Synthesized Gold Nanoparticles (Au-NPs) & Their Characterization	Dr. Seema Nara

### III. Publication In Journals *International*

- Priya Sinha, Anjana Pandey, and Major Sinha, "Identification of the RAPD marker linked to powdery mildew resistance gene(s) in black gram by using bulk segregant analysis," *Research Journal of Biotechnology*, vol.8(2), pp.9-15, Feb. 2013 (Impact Factor = 0.294).
- Garima Kishore, Sanjay Gupta and Anjana Pandey," Assessment of Population Genetic Diversity of Fagopyrum tataricum using SSR Molecular Marker," *Biochemical Systematics and Ecology*, vol.43, pp.32-41, August 2012 (Impact Factor = 1.153).
- Sunil kumar, Sangeeta Negi, Anisha mathur, Varsha Singh, Suchismita Nandy and Sunil Kumar Khare, "Bioremediation of waste cooking oil using a novel lipase produced by Penicillium chrysogenum SNP5 grown in solid medium containing waste grease," *Bioresource Technology*, vol.120, pp.300-304, Sep.2012 (Impact Factor = 4.750).
- Siddharth Vats, Rajesh Kumar and Sangeeta Negi, "Natural food that meet antibiotics resistance challenges: Invitro synergitics antimicrobial activity of Azadirachta indica, Terminalia chebula, Piper nigrum and photoactivated cow urine," *Asian Journal of Pharmaceutical and Biological Research*, vol.2(2), pp.122-126, June.2012 (Impact Factor - not found).
- Sunil Kumar and Sangeeta Negi, "Evaluation of techniques used for parameters estimation: an application to bioremediation of grease waste," *Applied Biochemistry and Biotechnology*, vol.167, pp.1613-1621, July 2012 (Impact Factor = 1.893).
- Vinay Tripathi, Seema Nara, Kamy Singh, Harpal Singh and Tulsidas G. Shrivastav, "A Competitive immunochromatographic strip assay for 17- $\alpha$ -hydroxy progesterone using colloidal gold nanoparticles," *Clinica Chimica Acta*, vol.413, pp.262-268, 2012 (Impact Factor = 2.893).
- R. K. Vishwakarma, R. Zargar, S. Singh, P. Sonawane, S. Srivastava, R. J. Santosh Kumar and B. M. Khan, "Molecular cloning, biochemical characterization and differential expression studies of Acetyl-CoA C-Acetyltransferase gene (AACT) from Brahmi (Bacopa monniera): an ayurvedic brain tonic herb," *Plant Molecular Biology Reporter*, vol.31(3), pp.547-557, 2012 (Impact Factor = 5.319).
- S. Srivastava\*, R. K. Vishwakarma\*, S. Singh, B. M. Khan (\*equal authorship), "Molecular cloning and characterization of two differentially expressed Cellulose synthase gene isoforms in Leucaena leucocephala: A pulp yielding tree species," *Advances in Bioscience and Biotechnology*, vol.3, pp.92-100, 2012 (Impact Factor = 0.40).
- Sonawane P, Patel K, Vishwakarma R. K, Srivastava S, Singh S, Gaikwad S and Khan B. M, "Probing the active site of cinnamoyl CoA reductase 1 (LI-CCR1) from Leucaena leucocephala," *International Journal of Biological Macromolecules*, vol.60, pp.33-38, 2013 (Impact Factor = 2.596).
- Vasudha Singh, Sharma Shivesh and Shukla K.P. "Harnessing PGPR from rhizosphere of prevalent medicinal plants in tribal areas of Central India," *Research Journal of Biotechnology*, vol.8(5), pp.76-85, 2013 (Impact Factor = 0.294).
- Shreya Mishra, Bisht, S, Malik, R. Singh, J. Teotia, P., Shivesh Sharma, Kela, R. and Kumar, V., "Occurrence and Distribution of Microbiological and Physico-Chemical Indicators in Ground Water Contaminated by Drainages, North India," *Environment Asia*, vol.(1), pp.29-37, 2013 (Impact Factor - not found).
- Shukla, K.P, Sharma Shivesh, Singh, N.K. and Singh, V., "Deciphering rhizosphere soil system for strains having plant growth promoting and bioremediation traits," *Agriculture Research*, vol.1(3), pp.251-257, 2012 (Impact Factor - not found).

13. Laxmi Upadhyaya and Vishnu Agarwal, "Biomedical Applications of Carboxymethyl Chitosans," *Carbohydrate Polymers*, vol.91(1), pp.452-466, 2013 (Impact Factor =3.479).
14. Laxmi Upadhyaya and Vishnu Agarwal, "Recent Progress in 14.Antimicrobial Applications of Nanostructured Materials," *Journal of nanopharmaceutics and Drug Delivery*,"vol.1, pp.4-17, Sep 2012 (Impact Factor - not found).
15. Ashutosh Mani, Pramod K. Yadava and D.K.Gupta, "Cold Shock domain protein from *philosamia ricini* prefers single stranded nucleic acid binding," *Journal of Biomolecular Structure and Dynamics*, vol.30(5), pp.532-541, Sep.2012 (Impact Factor = 4.986).
16. N.K.Singh, Dharmendra Kumar Joshi and RajKishor Gupta, "Isolation of Phytase Producing Bacteria and Optimization of Phytase Production Parameters," *Journal of Microbiology*, 2013 (Impact Factor = 3.905).
17. Raj Kishor Gupta, Shivraj Singh Gangoliya, Nand Kumar Singh, "Reduction of phytic acid and enhancement of bioavailable micronutrients in food grains," *J Food Sci. Technology*, DOI 10.1007/s13197-013-0978-y, 2013 (Impact Factor = 1.123).

#### National

1. Shashidhara K.S., Kumar H.P., Srivastava S and Gaikwad S.M., "Neutral  $\alpha$ -mannosidase from fungus *Aspergillus fischeri* (NCIM 508) belongs to Class IIC subfamily," *International Journal of Fundamental & Applied Sciences*.,vol.1(4), pp.78-80, 2012.
2. Pamnani M, Sinha P and Sachan M, "Epigenetic modifications as prognostic marker in cancer," *Res. J. Biotech.*, vol.8(6), pp.66-75,. 2013.
3. Keshav Prasad Shukla, Shivesh Sharma, Nand Kumar Singh and Vasudha Singh, "Deciphering Rhizosphere Soil System for Strains Having PlantGrowth Promoting and Bioremediation Traits," *Agric Res.*, 2013.
4. Keshav Prasad Shukla, Shivesh Sharma, Nand Kumar Singh and Vasudha, "Prospecting Bacillus Species Isolated from Rhizosphere of Calotropis Plant for Biodegradation of Polycyclic Aromatic Hydrocarbons," *Pure and Applied Microbiology*, vol7(1), pp.587-593, 2013.
5. Nand K Singh, Shivraj S Gangoliya, Raj K Gupta, P Yadav, O Vaish, A kanodia and P Mishra, "Comparative study of endosperm development of early and late variety of basmati rice (*oryza sativa* L.) for yield improvement," *Plant Archives*, vol.13, pp.493-499, 2013.

#### IV. Publication in Conferences *International*

1. Anjana Pandey, "Optimization of biological hydrogen production using co-culture of dark and photofermenter: A solution to waste management," *International Conference on Advances in Biological Hydrogen Production and Applications*, JNTU, Hyderabad, December 14-15, 2012.
2. Sunil kumar and Sangeeta Negi, "Immobilization of Penicillium chrysogenum Lipase on Ca-Alginate bead and its application on hydrolysis of waste cooking oil," *Proceedings of International Conference on Industrial Biotechnology*, Punjab, November, 2012.
3. Siddharth Vats and Sangeeta Negi, "Production of blend of enzymes from locally isolated microbial consortium for hydrolysis of agricultural wastes into sugars," *Proceedings of International Conference on Industrial Biotechnology, India*, November 2012.
4. Kshitiz Dwivedi, Siddharth Vats, Devendra Prasad Maurya, Sunil kumar, Sudhir Rai and Sangeeta Negi, "Compositional analysis of Himalayan Chir Pine (*Pinus roxburghii*) Needles: An economical alternate for bio-fuels to fuel hungry world," *Proceedings of International Conference on Industrial Biotechnology*, Patiala, India, Nov. 2012.
5. Preetam Verma and Dr. Vishnu Agarwal, "Differential drug response of *E coli* biofilm against gentamycin, ciprofloxacin and Ofloxacin on externally Implantable Devices," *International Conference on Biological Engineering & Natural Science (BBENS'2013)*, Bangkok, Thailand, Jan 2013.
6. Anuj Shukla, N.K Singh, "Development of TILLING population for quality improvement in basmati rice," World Congress of Biotechnology, Leonia International Convention Centre, Hyderabad, India, May 2012.
7. Dharmendra K.Joshi, N.K.Singh, Raj Kishor Gupta, Anuj Shukla and Shivesh Sharama, "Isolation, Characterization and Optimization of phytase producing bacteria, World Congress of Biotechnology, Leonia International Convention Centre, Hyderabad, India, May 2012.
8. Raj Kishor, N.K.Singh, Dharmendra K.Joshi, J.P. Shukla and Shivesh Sharama, "Reduction of phytic acid food inhibitor in bread wheat through fugal phytase and germplasms improvement, World Congress of Biotechnology, Leonia International Convention Centre, Hyderabad, India, May 2012.

## National

1. Ayushi Jain and Sangeeta Negi, "Optimization of pretreatment process for production of lignocellulosic bioethanol using Pine litter, National Conference on Biotechnology," National Conference on Biotechnology, JNU, New Delhi, 2012.

2. Ambak K. Rai, C.P.Thakur, Prabin Kumar and Dipendra K. Mitra, "Impaired expression of CD26 compromises T-Cell recruitment in human visceral leishmaniasis, Indian Immunology Society, Varanasi, 2012.

## V. Reviewer of International Journals

Sl. no.	Faculty Name	Journal Name
1.	Dr. Shivesh Sharma	Journal of Microbiology Research , Sustainable Agriculture Research, <i>Scientific Research and Essays</i> (SRE)
2.	Dr. Anjana Pandey	Current Microbiology
3.	Dr. Sangeeta Negi	Bioresource Technology, Journal of Waste Conversion, Bioproducts and Biotechnology (JWCBB), Journal of Environmental Science and Sustainability (JESS), Food Research International, Food Technology and Biotechnology, Brazilian Archives of Biology and Technology, African Journal of Biotechnology, Applied Biochemistry and Biotechnology
4.	Dr. N. K. Singh	J.J of Microbiology, Tropical journal of Agriculture
5.	Dr. Seema Nara	Biosensors and Bioelectronics
6.	Dr. Ashutosh Mani	Current Microbiology(Springer), Interdisciplinary Sciences: Computational Life Sciences(Springer)
7.	Dr. Ambak Kumar Rai	BMC Infectious Diseases
8.	Dr. Sameer Srivastava	Journal of Plant Biochemistry and Biotechnology
9.	Dr. Radha Rani	International Journal of Phytoremediation, African Journal of Agricultural Research, Chemistry and Ecology

## VI. Books / Books Chapters Authored

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1	Dr. Shivesh Sharma	Harnessing Traditional Knowledge of Medicinal Plants of Baiga Tribe: Tapping Traditional Knowledge of Tribal Areas of Central India: A Case Study		LAP Lambert Academic Publishing. ISBN: 3659279536, 9783659279539, 2012
2	Dr. Shivesh Sharma	Plant Microbe Symbiosis: Fundamentals and Advances	Plant Microbe Symbiosis: Perspectives and Applications	Springer
3	Dr. Anjana Pandey	Hydrogen production by <i>Citrobacter</i> CDN-1 isolated from cow dung		2013 ISBN: 978-3-659-34479-4 Lambert Publishing

Sl. no.	Faculty Name	Book	Book chapter	Publisher
4	Dr. Sangeeta Negi	<i>Biotransformation of Agro-industrial waste</i>	Exploring plant and agro-industrial wastes for antimicrobial biochemicals	Springer, New York USA (2013)
5.	Dr. Sangeeta Negi	<i>Advances in Industrial Biotechnology</i>	Pine forest litter based bio-refinery for biofuels and value-added phytochemicals	Asiatech Publisher (2013)
6.	Dr. Vishnu Agarwal	Advances in Biotechnology: A Practical Approach	Polymeric Nanoparticles: A Novel Carrier For Drug Delivery	Nova Publisher
7.	Dr. Seema Nara	Investigating the role of spacers on cortisol ELISA.		Lambert Academic Publishing, 2012, ISBN: 978-3-659-23578-8
8.	Dr. Radha Rani	Recent advances towards improved phytoremediation of heavy metals	Interactions between plant-growth promoting microbes and plants: Implications for microbe- assisted phytoremediation of metal contaminated soil	Bentham Science Publisher, The Netherlands

## VII. Invited Lectures Delivered

1. Dr. Anjana Pandey delivered a lecture on "Optimization of biological hydrogen production using co-culture of dark and photofermenter: A solution to waste management," at International Conference on Advances in Biological Hydrogen Production and Applications, JNTU, Hyderabad, during 14-15 December 2012.
2. Dr. Shivesh Sharma delivers a lecture on 13<sup>th</sup> January 2013 at MNNIT Allahabad, entitled "Research Grants: Possible Options".
3. Dr. Sangeeta Negi delivered a lecture on "Optimization of Pre-treatment of *Pinus roxburghii* needles of lower Himalayan region for extraction of reducing sugars and flavonoids through artificial neural network", at International Conference IBS-2012, International Biotechnology Symposium and Exhibition, Daegu, Korea, September 16-21, 2012.
4. Dr. Sangeeta Negi delivered a lecture on "Pine forest litter based biorefinery for biofuels and value-added phytochemicals" International Conference on Industrial Biotechnology ICIB-2012, Punjabi University Patiala, India, November 21-23, 2012.

## VIII. Invited Lectures Organized

1. A lecture is delivered by Dr. R. B. N. Prasad, IICT, CSIR on 21<sup>st</sup>, July, 2012, entitled " Biotechnological options for the modification of lipids".
2. A lecture is delivered by Dr. Rajeev Sukumaran, NIIST, CSIR on 21<sup>st</sup>, July 2012, entitled "Agriculture residues as raw material for Bioethanol:Fuel from Non-food feedstock-Centre for Biofuels- NIIST initiatives".
3. A lecture is delivered by Dr. Madhvan Namapootri, NIIST, CSIR on 21<sup>st</sup>, July, 2012, entitled "Biofuels".
4. A lecture is delivered by Dr. Sujakta, TERI, Delhi on 21<sup>st</sup>, July, 2012, entitled "Renewable energy".

## IX. Coordinator/ Co-Coordinator in "Workshops/ Short-Term Courses/ Training Programme"

1. Dr. Shivesh Sharma act as a Coordinator in "Health Workshop, Institute health center" organized during August 2012.
2. Anjana Pandey act as a Coordinator in "6<sup>th</sup> Review meeting of Technology Mission Mode project" organized during 7<sup>th</sup> September 2012 to 8<sup>th</sup> October 2012.

## X. Research Projects Ongoing/ Completed

Sl. no.	Investigator	Title	Funding Agency	amount	Duration
1.	Dr. Shivesh Sharma Dr. N.K. Singh (Co-PT)	Harnessing PGPRs from Indo Gangetic Plain Region of Uttar Pradesh for Growth Promotion and Disease Suppression in Rice and Pigeonpea	DBT	39.39 Laks	Ongoing
2.	Dr. Shivesh Sharma Dr. Seema Nara (Co-PI)	Microbial profiling in Gangetic river system and development of a gold nanoparticle based multiplex lateral flow immunoassay for bacterial detection	UGC	8.48 lakh	Ongoing
3.	Anjana Pandey (Multi-Institutional project (IIT-KGP, IICT, JNTU, TERI, BHU)	Hydrogen Production through Biological Routes	MNRE, GOI	45.05 Lakhs	Ongoing
4.	Dr. Sangeeta Negi	Process development for biotreatment of industrial grease and oil waste; creating a safe working and living environment for industrial workers	DST, GOI	17.89 Lakhs	2009 september till 2013 september
5.	Dr. Sangeeta Negi	Process development for cellulosic ethanol production from Himalayan Chir Pine ( <i>Pinus roxburghii</i> ) forest waste	DST, GOI	19.90 lakhs	On going
6.	Dr. Sangeeta Negi	Sorghum Stover-based biorefinery for fuels and chemicals, funded by the Ministry of New Renewable Energy	MNRE, GOI	42.67 lakhs	Ongoing
7.	Dr. Vishnu Agarwal	Development of Eucalyptus globules oil containing bioadhesive polymeric nanoparticles and estimation of its cytotoxicity potential and assay against biofilms	SERB (DST)	20.78 Lakhs	Ongoing
8.	Dr. Manisha Sachan Dr. Kiran Singh (Co-PI)	Role of DNA methylation in setting up the chromatin organization of developmentally important genes in mammals	Department of Biotechnology, Government of India	18.75 lakhs	Ongoing

## XI. Other Relevant Information

1. Dr. Sangeeta Negi is the member of Editorial Board of "Journal of Waste Conversion, Bioproducts and Biotechnology (JWCBB), 2012-till-date" and "Journal of Environmental Science and Sustainability (JESS)," 2012-till-date

2. Dr. Sangeeta Negi is the Ad-hoc Reviewer for Food Research International, Bioresource Technology, Food Technology and Biotechnology, African Journal of Biotechnology, Applied Biochemistry and Biotechnology, Brazilian Archives of Biology and Technology.

## 10.3 Department of Civil Engineering

The Civil Engineering Department offers a Bachelor of Technology and three regular postgraduate courses in Structural, Environmental, and Geotechnical Engineering. It also offers a highly sought after part-time course for in-service engineers in Computer Aided Design in Civil Engineering. The Department is also a recognized QIP (Quality Improvement Program) Centre for post graduate studies. The course curriculum is up-to-date,

spanning disciplines that cover both traditional concepts and recent developments. A strong foundation is laid through courses on Concrete and Steel Structures, Geotechnical Engineering, Environmental Engineering, Transportation Engineering, Irrigation Engineering and Computer Application. Beside, students are offered a variety of electives like Advance Engineering, Properties of Soil, Computer Simulation, Rock Mechanics, Ecology and Operations Research. The theoretical courses are supplemented by imparting practical experience through well-equipped laboratories.

### I. List of Ph.D Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Divya Srivastava	Groundwater System Modeling for Unknown Pollution Source Identification	Dr. Raj Mohan Singh
2.	Navin Kumar Choudhary	Secondary Effects in Precast Prestressed Continuous Bridges	Prof. S. K. Duggal and Dr. P. K. Mehta
3.	R.K.Srivastava	Study of Rigid Pavement for Village Roads in Alluvial Region	Prof S. K. Duggal and Prof. K. K. Shukla

### II. List of M.Tech Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Prashant Malviya	A Study on Failure Analysis of Laminated Composite Plates	Dr. Priyaranjan Pal
2.	Arun Kumar	Vibration Analysis of Reservoir Lock Gate Structures considering Fluid Structure Interaction	Dr. Anindya Bhar and Dr. Priyaranjan Pal
3.	Sonali Srivastava	FEA of Single and Group piles	Dr. Kumar Venkatesh
4.	Nisheet Tiwari	Estimation of Liquefaction Using Neuro Fuzzy Technique	Prof R.P. Tiwari and Dr. Kumar Venkatesh
5.	Jemy Joseph Francis	Code Calibration for Steel Beam Using Limit State Technique	Prof. S.K.Duggal and Dr. P. K. Mehta
6.	Bhaves Kumar	Secondary Effects in Post-tensioned T-Girder Continuous Bridges	Dr. P. K. Mehta and Prof. S.K.Duggal

Sl. no.	Name of Student	Thesis title	Supervisor(s)
7.	Santosh Kumar	Quality Assessment Of Concrete Using Fuzzy Logic Concept	Dr. L.K. Mishra and Er. Y.K. Gupta
8.	Vinai Singh	Groundwater Quality Assessment Near the MSW Dumping Yard	Dr. S. Chakma
9.	Brajesh Kumar	Bond strength of Metakaoline mix fibre reinforced concrete	Dr. Rakesh Kumar
10.	Upasana Tandon	Modeling of Groundwater System for Lucknow District Using Artificial Neural Network	Dr. Raj Mohan Singh
11.	Amit Kumar Jha	Surface Water Quality Prediction by Artificial Neural Network	Dr. Raj Mohan Singh and Prof. S.C. Prasad
12.	Sheo Bachan Kumar	Effect of Response Reduction Factor on the Seismic Performance of a Simply Supported Bridge	Dr. G. Ghosh
13.	Maharana Pratap Singh	Multi-Modal Public Transport Information System	Dr. Varun Singh
14.	Mainak Bandyopadhyay	A Framework for Emergency Management and Response System using GIS Technology	Dr. Varun Singh
15.	Sarathy Anurag Abhay	Traffic Support Prototype: A Cogitation on Open Source Architecture	Dr. Varun Singh
16.	Sanjeev Tripathi	Use of Zeta Potential Meter for Cadmium Contaminated Clayey Soil: Monitoring & Analysis	Prof. R. P. Tiwari
17.	Smita Kaloni	Modelling of Piezo-Transducer for Shear Lag Effect	Prof. A. K. Sachan and Dr. Rama Shanker
18.	Tarun Kararha	Quantification of Structural Stiffness Using Electromechanical Impedance Technique	Dr. Rama Shanker
19.	Soma Saran	Hydraulic & Water Quality Analysis of Waste Distribution System of Samapur Village Using EPANET v2.0	Dr. N. R. Rawal
20.	Nandita Yadav	A Study on Hospital Waste Management Practices in Allahabad City (M.Sc. Dissertation)	Dr. N. R. Rawal

### III. Publication in Journals *International*

1. P. Pal, "Slosh Dynamics of Liquid-Filled Rigid Containers: Two Dimensional Meshless Local Petrov-Galerkin Approach," *Journal of Engineering Mechanics (EM)*, vol. 138, Issue 6, pp. 567-581, May 2012 (Impact Factor = 1.116).
2. P. Pal and A. Bhar, "The Displacement Perspective during Ultimate Failure of Composite Laminates," *Journal of Applied Composite Materials (ACM)*, vol. 20, Issue 2, pp. 171-183, March 2013 (Impact Factor = 1.048).
3. P. Pal and S. K. Bhattacharyya, "Slosh Dynamics of Liquid-Filled Composite Containers: A Two Dimensional Meshless Local Petrov-Galerkin Approach," *Journal of Fluids & Structures (JFS)*, vol. 39, pp. 60-75, March 2013 (Impact Factor = 2.051).
4. V. Kumar, K.Venkatesh, Y. Kumar and R.P. Tiwari, "Application of ANN to Predict Liquefaction Potential," *International Journal Of Computational Engineering Research*, vol. 2, no. 2, pp. 379-389, 2012 (Impact Factor = 1.145).
5. V. Kumar, K.Venkatesh, and Y. Kumar, "Liquefaction Potential Evaluation of Alluvial Soil by Neuro-Fuzzy Technique," *International Journal of Emerging Technology & Advanced Engineering*, vol. 2, No. 3, pp.174-184, 2012 (Impact Factor = 1.932).
6. Mohd Monish, Vikas Srivastava, V.C. Agrawal, P.K. Mehta and Rakesh Kumar, "Demolished Waste as Coarse Aggregate in Concrete," *Journal of Academia and Industrial Research*, vol. 1 no. 9, pp. 540-542, Feb 2013 (Impact Factor = 0.275).
7. Vikas Srivastava, V.C. Agrawal, Atul, Rakesh Kumar and P. K. Mehta, "Silica Fume – An Admixture for High Quality Concrete," *International Journal of Environmental & Nano Technology*, vol 2 (2013), pp. 53-58, 2013 (Impact Factor = 0.298).

8. Vikas Srivastava, V.C. Agarwal and Rakesh Kumar, "Effect of Silica Fume on Mechanical Properties of Concrete," *Journal of Academia and Industrial Research*, vol. 1, no. 4, pp.176-179, September 2012 (Impact Factor = 0.275).
9. Vikas Srivastava, Rakesh Kumar and V. C. Agarwal, "Metakaoline Inclusion: Effect on Mechanical Properties of Concrete," *Journal of Academia and Industrial Research*, vol. 1, no. 5, pp. 251-253, October 2012 (Impact Factor = 0.275).
10. Mohd. Monish, Vikas Srivastava, V. C. Agarwal and Rakesh Kumar, "Utilisation of Demolished Waste as Fine Aggregate in Concrete," *Journal of Academia and Industrial Research*, vol 1, no. 7, pp.398-400, December 2012 (Impact Factor = 0.275).
11. Vikas Srivastava, Rakesh Kumar, V. C. Agrawal and P. K. Mehta, "Effect of Silica Fume and Metakaolin Combination on Concrete," *International Journal of Civil and Structural Engineering*, vol. 2, no. 3, pp.884-891, 2012 (Impact Factor = 0.591).
12. S. Chakma, and S. Mathur, "Estimation of Primary and Mechanical Compression in MSW Landfills," *Journal of Hazardous, Toxic, and Radioactive Waste, ASCE Publication*, vol.16, no. 4, pp. 298-303, 2012 (Impact Factor - not found).
13. S.Chakma, and S. Mathur, "Post Closure Long-Term Settlement for MSW Landfills," *Journal of Hazardous, Toxic, and Radioactive Waste, ASCE Publication*, vol. 17, no. 2, pp. 81-88, 2013 (Impact Factor - not found).
14. Kumar Pallav, S. T. G. Raghukanth, K. D. Singh, "Liquefaction Hazard Scenario of Imphal City for 1869 Cacher and a Hypothetical Earthquake," *International Journal of Geotechnical Earthquake Engineering*, vol. 3, no. 1, pp. 34-56, 2012 (Impact Factor - not found).
15. R.M. Singh, "Uncertainty Characterization in the Design of Flow Diversion Structures Profiles Using Genetic Algorithm and Fuzzy Logic," *Journal of Irrigation and Drainage Engineering, ASCE*, vol. 139, no. 2, pp. 145-57, 2013 (Impact Factor = 1.294).
16. M. Bandyopadhyay, M.P. Singh and V. Singh, "Spatial Pattern Analysis for Finding Weighted Candidate Set for p-median Problem in Locating Emergency Facilities," *International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE)*, vol. 2, Issue 5, pp. 69-74, 2012 (Impact Factor = 2.080).
17. Alok Arti, R.P. Tiwari and R.P. Singh, "Effect of pH of Anolyte in Electrokinetic Remediation of Cadmium Contaminated Soil," *International Journal of Engineering Research & Technology*, Vol. 1, Issue 10, December 2012 (Impact Factor =1.76).
18. Babbo Rai, N H Khan, S. T. Rushad, Bhavesh K. and S. K. Duggal, "Study of Waste Plastic Mix Concrete with Plasticizer", *International Scholarly Research network*, Vol. 2012, Article ID 469272, 2012 (Impact Factor - not found).
19. Debolina Basu and S. R. Asolekar, "Evaluation of Substrate Removal Kinetics for UASB Reactors Treating Chlorinated Ethanes," *Environmental Science and Pollution Research*, Springer-Verlag, Heidelberg, Germany, vol. 19, no. 6, pp. 2419-2427, 2012 (Impact Factor = 2.62).
20. Debolina Basu and S. R. Asolekar, "Effect of Carbon Sources on the Removal of 1,1,2 Trichloroethane and 1,1,2,2 Tetrachloroethane in UASB reactor," *Journal of Environmental Science and Health, Part A (Toxic/Hazardous Substance & Environmental Engineering)*, Taylor & Francis, Philadelphia, PA, USA, vol. 47, no. 4, pp. 638-644, 2012 (Impact Factor = 1.107).
21. Debolina Basu and S. R. Asolekar, "Performance of UASB reactor in the biotreatment of 1,1,2 Trichloroethane," *Journal of Environmental Science and Health, Part A (Toxic/Hazardous Substance & Environmental Engineering)*, Taylor & Francis, Philadelphia, PA, USA, vol. 47, no. 2, pp. 267-273, 2012 (Impact Factor = 1.107).
22. Debolina Basu and S. K. Gupta, "Performance Of Upflow Anaerobic Sludge Blanket (UASB) Reactor Treating Simulated Wastewaters Containing 1,1,2 Trichloroethane And 1,1,2,2 Tetrachloroethane," *International Journal of Environment and Waste Management*, Inderscience Publishers, Switzerland, vol. 9, no's. 1-2, pp. 181-190, 2012 (Impact Factor - not found).

#### National

1. Navin Kumar Chaudhary, S. K. Duggal, P. K. Mehta and Sheo Gopal' "Continuous Vs Integral Bridges – Primary and Secondary Effects," *Journal of Structural Engineering, CSIR-SERC*, vol 39, no 1, pp. 146-151, 2012.
2. Syed Tabin 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, Jan, 2013.
3. Kumar Pallav, S. T. G. Raghukanth and K. D. Singh, "Probabilistic Seismic Hazard Assessment of Manipur State," *Journal of Geophysics and Engineering*, vol. 9, pp. 516-533, 2012.



4. V. Singh, and P. Kumar, "GIS Based Application of Advanced Traveler Information System in India," *Journal of the Institution of Engineers (India): Series A*, vol. 93, no. 1, pp. 79-85, 2012.
5. R. K. Srivastava, K. K. Shukla, and S. K. Duggal, "Study of Composite Effect of Concrete Base in Rigid pavement for Village Roads in Alluvial Region," *Indian Road Congress*, no. 587, pp.13-20, January-March 2013.
6. R. K. Srivastava, S. K. Duggal, and K. K. Shukla, "Reinforced Cement Concrete Pavement for Village Roads in Alluvial Region: A Sustainable Option," *Highway Research Journal*, pp. 19-26, July-December 2012.
7. G. Ghosh, A. Kumar, N. K. Verma and H. Rai, "Seismic Response of a Curved Bridge with Isolation Bearings," *15<sup>th</sup> World Conference on Earthquake Engineering*, Lisbon, Portugal, September 24-28, 2012.
8. M. Bandyopadhyay, M. P. Singh, and Varun Singh, "Optimizing the Emergency Response Activity Planning through GIS based Agent Based Modeling and Simulation Technique," *International Conference on Challenges in Disaster Mitigation and Management*, IIT Roorkee, February 15-17, 2013.
9. N. Rawal, P. Singh, and R. M. Singh, "Goal Programming Approach for Solid Wastes Management in Urban Areas," *Fifth International Congress of Environmental Research*, University Malaysia Terengganu, Kuala Terengganu, Malaysia, November 22-24, 2012.

#### IV. Publication in Conferences *International*

1. R. Dasgupta, K.Venkatesh, and R. P. Tiwari, "Electrokinetic Remediation of Copper Contaminated Soils by Zero Valent Nano Iron Powder" *Proceedings, Fifth International Congress of Environmental Research (ICER-12)*, UMT Terengganu, Malaysia, 22-24 November, 2012.
2. Yeetendra Kumar, Kumar Venkatesh and Vijay Kumar, "Prediction of Compression Index of Cohesive Soil using Neural Network Approach," *International Conference on Advances in Architectural and Civil Engineering*, MSRIT, Bangalore, June 21-23, 2012.
3. Rakesh Kumar, L. K. Mishra and Vijay Kumar Verma, "Effect of Crushed Lime Stone on Bond Strength of Concrete," *Proceeding of International UKIERI Concrete Congress on Innovations in Concrete Construction*, Dr. B.R. Ambedkar N.I.T. Jalandhar, held on March 5-8, 2013.
4. Shukla, Shalinee, and Chandra, Satish, "Overtaking Behavior On Divided Highways Under Mixed Traffic Conditions," *Proceedings, Social and Behavioral Sciences, Elsevier*, 8<sup>th</sup> International Conference on Traffic and Transportation Studies, Changsha, China, August 1-3, 2012.
5. R. M. Singh, "Wavelet-ANN Model for Nutrient Load Predictions in Rivers," *Proceedings, Third International Conference, SEMCCO 2012*, Bhubaneswar, India, pp. 558-565, December 20-22, 2012.
6. R. M. Singh, "Wavelet-ANN Model for River Sedimentation Predictions," *Proceedings, Seventh International Conference on Bio-Inspired Computing: Theories and Application, (BIC-TA 2012)*, ABV-Indian Institute of Information Technology and Management Gwalior, India, , pp 1-13, December 14 - 16, 2012
7. N. Rawal and R. M. Singh, "Optimal Municipal Solid Wastes Management with Uncertainty Characterization Using Fuzzy Theory," *Seventh International Conference on Bio-Inspired Computing: Theories and Application, 2012 (BIC-TA 2012)*, Organized by ABV-Indian Institute of Information Technology and Management Gwalior, December 14 - 16, 2012.

#### National

1. Vikas Srivastava, V.C. Agrawal, Atul, Rakesh Kumar and P. K. Mehta, "Silica Fume – An Alternative for High Quality Concrete," *Third National Conference on Innovations in Indian Science, Engineering and Technology*, Swadeshi Science Movement of India (Delhi), National Physical Laboratory, New Delhi, pp. 158, Feb 23-25, 2013.
2. Kiran, Asha, Ghosh, Goutam. and Y. K. Gupta, "Application of Pushover Analysis Methods for Building Structures," *ISET Golden Jubilee Symposium*, Indian Society of Earthquake Technology, IIT Roorkee, Paper No. D002, October 20-21, 2012.
3. Venkatesh Kumar, Y. K. Gupta and P. K. Pandit, "Free Vibration Analysis of Asymmetric Framed Structure," *ISET Golden Jubilee Symposium, Indian Society of Earthquake Technology*, IIT Roorkee, Paper No. D014, October 20-21, 2012.
4. S. Chakma, R. C. Vaishya, and A. K. Yadav, "Modeling Elemental Compositions of Municipal Solid Waste," *28<sup>th</sup> National Convention of Env. Engg.*, March 9-10, 2013.
5. S. R Kumar, S. Chakma and M. K. Borah, "Infiltration Studies at Downstream of Kulsu Sub-basin," *Assam Water Conference*, February 21-22, 2013.

6. Vijay Kumar, Kumar Venkatesh and Yeetendra Kumar, "Liquefaction Potential Evaluation of Alluvial Soil by ANN Technique," *ISET Golden Jubilee Symposium*, IIT Roorkee, October 20-21, 2012.
7. Yeetendra Kumar, Kumar Venkatesh and Vijay Kumar, "Particle Size Based Assessment of Soil Using Neural Network Modeling Technique," *IGC 2012, IIT Delhi*, Delhi, December 13-15, 2012.
8. R. M. Singh, "Estimation of Nitrogen and Phosphorous Loads in Rivers Using Wavelet-ANN Model," *Proceedings, National Conference on Hydraulics, Water Resources, Coastal and Environmental Engineering (Hydro-2012)*, IIT Bombay, pp. 1353-1362, December 7-8, 2012.
9. S. Saxena and R. K. Srivastava, "Cover Systems for Open Dumps for Dumpsites Of Typical Indian Metro City: Case Study of Allahabad City," *Proceeding, Indian Geotechnical Conference IGC-2012*, New Delhi, December 14-16, 2012.
10. Sajjan Kumar Ram, Bala Ramudu Paramkusam and R. K. Srivastava, "The Study on Physico-Chemical Behavior of Expansive Soil with Addition of Lime and Fly ash," *Proceeding, Indian Geotechnical Conference IGC-2012*, New Delhi, December 14-16, 2012.
11. R. K. Srivastava, "Urban Waste Management-Issues & Solution Strategy," *Proceeding, Indo-Korean Workshop on Geotechnology for Urban Development (IK-GUD)*, December 12, 2012, New Delhi.

## V. Seminars / Conferences / Workshops Attended.

1. Dr K. Venkatesh attended 5th International Congress of Environmental Research (ICER-12), UMT Terengganu, Malaysia, 22-24 November, 2012.
2. Dr Y. K. Gupta attended ISET Golden Jubilee Symposium, Indian Society of Earthquake Technology, IIT Roorkee, October 20-21, 2012.
3. Dr P. R. Pal, Dr Rakesh Kumar & Dr P. K. Mehta attended international workshop on Advanced Functional Materials and Structures, Department of Applied Mechanics, MNNIT, Allahabad organized in Collaboration with University of Missouri, Columbia, USA, July 12-14, 2012.
4. Dr Rakesh Kumar attended International UKIERI Concrete Congress on Innovations in Concrete Construction, Dr. B.R. Ambedkar N.I.T. Jalandhar, March 5-8, 2013.
5. Dr Goutam Ghosh attended 15<sup>th</sup> World Conference on Earthquake Engineering, September 24-28, Lisbon, Portugal.
6. Prof R. K. Srivastava attended Indian Geotechnical Conference IGC-2012, December 14-16, 2012, New Delhi & Indo-Korean Workshop on Geotechnology for Urban Development (IK-GUD), December 12, 2012, New Delhi.

## VI. Reviewer in International Journals

Sl. no.	Faculty Name	Journal Name
1.	Dr. P.R.Pal	Journal of Fluids & Structures & Journal of Ocean Engineering, Elsevier

## VII. Books / Books Chapters Authored

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	Dr. S. K. Duggal	Surveying Vol. I (4 <sup>th</sup> Edition, 2013)		Tata Mc Graw Hill Publishing Co. Pvt. Ltd.
2.	Dr. S. K. Duggal	Surveying Vol. II (4 <sup>th</sup> Edition, 2013)		Tata Mc Graw Hill Publishing Co. Pvt. Ltd.

## VIII. Books / Books Chapters Reviewed

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	Dr. N. Rawal and Dr. R.M. Singh	Advances in Intelligent Systems and Computing Volume 202	Optimal Municipal Solid Wastes Management with Uncertainty Characterization Using Fuzzy Theory	Springer (DOI 10.1007/978-81-322-1041-2_10; Online ISBN 978-81-322-1041-2; Print:ISBN978-81-322-1040-5)

## IX. Invited Lectures Delivered

1. A lecture is delivered by Dr Rakesh Kumar at Department of Civil Engineering, SHIATS, Allahabad on November 09, 2012 entitled "Self Compacting Concrete".
2. A lecture is delivered by Dr. H. K. Pandey in January 2013 at Academic Staff College, BHU, Varanasi, entitled "Groundwater Resource Existing National Scenario & Future Challenges".

## X. Research Projects Ongoing/ Completed

Sl. No.	Investigator	Title of Project	Funding agency	Amount [₹ lakhs]	Duration
1	Dr Goutam Ghosh- PI	Response of Curved Bridges with Isolation Bearings	DST FAST TRACK	12.8712	Approved on 31.01.2013
2	Prof R. P. Tiwari- PI	Electrokinetic Removal of Toxic Contaminants from Soils Using Reactive Nano-Particle	DST, Government of India, New Delhi	23.5	2007-2012
3	Prof R. C. Vaishya-PI, Prof R. P. Singh-Co-PI	River Health Assessment of Ganga During Kumbh-2013	WWF-India	4.25	2012-13
4	Prof R. C. Vaishya-PI, Team-Prof R. P. Singh and Prof S. C. Prasad	Air Quality Monitoring at Two Stations of Allahabad City	UPPCB, Lucknow	6.17/Annum	Ongoing
5	Prof R. P. Singh -PI, Team- Prof S.C. Prasad, Prof R. C. Vaishya and Dr N.R.Rawal	Ambient Air Quality Monitoring and Noise Monitoring in Allahabad City	UPPCB, Lucknow	7.12	Ongoing
6	Prof R. C. Vaishya-PI, Prof R. P. Singh-Co-PI	Water Quality Surveillance in Allahabad District	UNICEF	7.80	Dec, 2011- March, 2013

## XI. Other Relevant Information

1. Dr. K. Venkatesh got Bharat Jyoti Award by IIFS, New Delhi
2. Dr. Kumar Pallav got European Commission Fellowship (2013), and Visited Czech Technical University, Prague.
3. Dr. Shalinee Shukla got Bihar P.W.D. Medal, Inaugural Function of the 73<sup>rd</sup> Annual Session of the Indian Roads Congress, Coimbatore, TN, January 8, 2013.
4. Prof. R. P. Tiwari is the Member of Monitoring Committee Constituted by U. P. Govt. for Maha Kumbh- 2013.

## 10.4 Department of Chemical Engineering

The chemical engineering department strives to impart high quality technical education with a fine balance of fundamental knowledge, practical exposure and

novel concepts. The department promotes research activities whose scholarly output and contribution to the community consistently meet standards of excellence. The department offers B. Tech and Ph.D. programs in chemical engineering.

### I. List of Ph.D Thesis Completed

Sl. no.	Name Student	Thesis title	Supervisor(s)
1.	Dipaloy Datta	Experimental and Theoretical Studies on Reactive Extraction of Carboxylic Acids	Dr. Sushil Kumar

### II. List of M.Tech Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Neeraj Kumar	Modeling & Simulation of Shell & Tube Heat Exchanger	Dr. M. Siraj Alam, ChED Dr. M. K. Khurana, MED
2.	Vivek Kumar Singh	Modeling and simulation of Condenser for Multi-component Vapor Mixtures	Dr. M. Siraj Alam, ChED Dr. R. K. Patel, MED
3.	Subhash Patel	Modeling and Simulation of Concentric Heat-Pipe	Dr. M. Siraj Alam, ChED Dr. V. R. Komma, MED

### III. Publication in Journals *International*

1. D. Datta and Sushil Kumar, "Intensification of Recovery of Formic Acid from Aqueous Stream using Reactive Extraction with N, N-dioctyl octan-1-amine: Effect of Diluent and Temperature," *Chemical Engineering Communications*, vol. 200, no. 5, pp. 678-700, February, 2013 (Impact Factor =1.05).
2. D. Datta and Sushil Kumar, "Reactive Extraction of Pyridine Carboxylic Acids with N,N-Dioctyl octan-1-amine Dissolved in Five Different Diluents," *Separation Science and Technology*, vol. 48, no. 6, pp. 898-908, March, 2013 (Impact Factor = 1.16).
3. Sushil Kumar, B.V. Babu and K. L. Wasewar, "Investigations of Biocompatible Systems for Reactive Extraction of Propionic Acid Using Aminic Extractants," *Biotechnology and Bioprocess Engineering*, vol. 17, pp. 1252-1260, July, 2012 (Impact Factor = 1.28).
4. D. Datta, Sushil Kumar, K.L. Wasewar and B.V. Babu, "Comparative Study on Reactive Extraction of Picolinic Acid with Six Different Extractants (Phosphoric and Aminic) Dissolved in Two Different Diluents (Benzene and Decane-1-ol)," *Separation Science and Technology*, vol. 47, no. 7, pp. 997-1005, May, 2012 (Impact Factor = 1.16).
5. D. Dutta and Sushil Kumar, "Modeling and Optimization of Recovery Process of Glycolic Acid using Reactive Extraction," *International Journal of Chemical Engineering and Applications*, vol. 3, no. 2, pp. 141-146, April, 2012 (Impact Factor - not found).

#### IV. Publication in Conferences *International*

1. Abhishek K. Chandra, M. Siraj Alam and P. K. Mishra," 2D/3D Simulations: Mass Transfer in Circular Micro-Channels for Liquid-Liquid Slug Flow," *1<sup>st</sup> Int.in Conf. on Chem., Nano & Sustainable Engg.* Kuala Lumpur, Malaysia, March 29 – 31, 2013.
2. Kaushal Kishor, A.K. Chandra, P. K. Mishra and M. S. Alam, "A Review on Two Phase Pressure Drop Models in Microfluidic Devices," Int. Conference on Advances in Chem. Engg., IIT Roorkee, India, February 2013.
3. Abhilasha Dixit, P K Mishra and M Siraj Alam," A Short Review on Techniques for Copper Removal from Waste Water," *Int. Conference on Advances in Chem. Engg.*, IIT Roorkee, India, February 2013.

#### V. Reviewer of International Journals

Sl. no.	Faculty Name	Journal Name
1.	Dr. Sushil Kumar	Chemical Engineering Communications (Taylor & Francis) Fluid Phase Equilibria (Elsevier) Desalination (Elsevier)
2	Dr. Ankur Gaur	Industrial & Engineering Chemistry Research Journal of CO <sub>2</sub> utilization

#### VI. Books / Books Chapters Reviewed

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	Dr. Sushil Kumar		Lectures notes of Chemical Engineering Thermodynamics for NPTEL-II	Prepared by Professor from IIT Bombay

#### VII. Invited Lectures Delivered

A lecture is delivered by Dr. Ankur Gaur, Asst. Prof. on 30-31st August 2012 at "Power Industry India Conference

-2012" held at Le-Meridian Hotel, New Delhi entitled "Carbon Capture & Storage Technology for Power Sector".

#### VIII. Research Projects Ongoing/ Completed

Sl. no.	Principal investigator / Coordinator	Title	Funding Agency	Amount in lakhs	Duration
1.	Dr. Sushil Kumar	Reactive Extraction of Nicotinic- and Isonicotinic Acids from Aqueous Solution	DST	11.11	Ongoing

## 10.5 Department of Chemistry

The department of chemistry came into existence w.e.f., 1st April, 2003, prior to this it constituted a section of the Department of Applied Mathematics, Applied Sciences & Humanities. The department caters to the core courses in chemistry for all B.Tech students in I/II Semester and one

subject to B.Tech IV Semester Chemical Engineering curriculum and Ph.D. course work to research students. The department is also associated in sharing some course in M.Tech (Materials Science). After attaining the status of NIT, the department has undertaken research programme to Ph.D degree.

### I. List of Ph.D. Thesis Completed

S.No.	Name	Thesis Title	Supervisor(s)
1.	Dinesh K.Gupta	Synthesis and Characterization of Some Modified Metal Oxide Nanomaterials as precursors for metal oxide nanomaterials and some metal organic framework compounds	Dr. A.Pandey

### II. List of M.Tech. Thesis Completed

Sl. No.	Sudent	Thesis Title	Supervisor (s)
1.	Neha Saxena	Physiochemical and biological evaluation of chitosan alginate gelatin scaffold for tissue engineering applications	Dr.P.K.Dutta & Dr. Anuj Jain (AMD)
2.	Nidhi Paliwal	Effect of fluid flow on chitosan scaffolds: Degradation & kinetic study	Dr. P.K.Dutta
3	Tanvi Jain	Chitin & carboxymethyl chitin for drug delivery: Preparation, characterization, evaluation & comparison	Dr. P.K.Dutta
4	Richa Singh	Polyvinyl alcohol based hybrid coating on hydroxyapatite/chitosan scaffold for controlled drug release	Dr. P.K.Dutta

### III. Publications in Journals *International*

1. Israr Ahmad, Amit Sharma and Tamal Ghosh, "Selective colorimetric sensing of CN<sup>-</sup> by dihydropyrazol-3-ol derivative in CH<sub>3</sub>CN/H<sub>2</sub>O medium," *Supramolecular Chemistry*, Vol. 24, pp. 221-227, 2012 (Impact Factor =1.546).
2. M. Tripathi, R. Upadhaya, Ashutosh Pandey and Kamlesh Pandey, "Energy and Power Engineering, Semiconductor photoelectrochemical solar cells based on admixing of nano materials for renewable energy," *International Journal of Ambient Energy*, , pp 1-6, June 2012 (Impact Factor - not found).
3. Thiyagarajan Govindasami, Anjana Pandey, Nithya Palanivelu, Ashutosh Pandey, "Synthesis, Characterization and Antibacterial Activity of Biologically Important Vanillin Related Hydrazone Derivatives," *IJOC*, Vol 1, No.3, pp. 71-77, 2012 (Impact Factor =0.73).
4. R. P. Singh, Kiran Gupta, Ashutosh Pandey and Anjana Pandey, "Synthesis and characterization of Eu<sup>+++</sup> doped Y<sub>2</sub>O<sub>3</sub> (red phosphor) and Tb<sup>+++</sup> doped Y<sub>2</sub>O<sub>3</sub>

(green phosphor) by hydrothermal processes," *World Journal of Nano Science and Engineering* Vol.2, pp. 13-18, March 2012 (Impact Factor - not found).

5. G. Thiyagrajan, P Nithya, D. K. Gupta and Ashutosh Pandey, "An efficient synthesis of biologically active pyrazine linked novel hydrazones, Biologically Active Molecules," pp. 463-467, (Impact Factor - not found).
6. Mridula Tripathi, Ruby Upadhyay, Ashutosh Pandey and P. K. Dubey, "Natural dye based photoelectrode for improvement of Solar Cell performance," *Ionics*, Vol. 19, pp. 1179-1183, 2013 (Impact Factor =1.674).
7. SSingh, DKGupta, Ashutosh Pandey, "Property of a novel Cadmium-pyrazinyltetrazole framework compound," *Journal of Chemical Crystallography, Hydrothermal Synthesis, Structure, and Photoluminescent*, Vol. 43, Issue 2, pp. 82-90, 2013 (Impact Factor = 0.513).
8. Tanvi Jain, D. Archana and P. K. Dutta, "Chitin and carboxymethyl chitin nanoparticles for drug delivery: Preparation and characterization and evaluation," *Asian Chitin Journal*; vol. 8 no. 1, pp.7-12, 2012 (Impact Factor - not found).

9. Neha Saxena, Anuj Jain, D. Archana, Hridyesh Kumar and P.K. Dutta, "Physicochemical and biological evaluation of chitosan/alginate/gelatin scaffold for tissue engineering applications" *Asian Chitin Journal*; vol. 8, no. 1, pp.13-18, 2012 (Impact Factor - not found).
10. Richa Singh, D. Archana and P. K. Dutta, "Polyvinyl alcohol based hybrid coating on hydroxyapatite/chitosan scaffold for controlled drug release" *Asian Chitin Journal*; vol. 8 no. 1, pp.19-26, 2012 (Impact Factor - not found).
11. Hridyesh Kumar, Rohit Srivastava, Brijesh K. Singh and P.K. Dutta "Synthesis and antibacterial activity of CdTe quantum dots (QD)-chitosan nanocomposite film" *Asian Chitin Journal*; vol. 8, no. 1, pp. 27-30, 2012 (Impact Factor - not found).
12. Nidhi Padiwal, D. Archana and P. K. Dutta "Degradation study of flow on chitosan scaffolds" *Asian Chitin Journal*, vol. 8, no. 1, pp.31-34, 2012 (Impact Factor - not found).
13. J. Dutta, S. Tripathi and P. K. Dutta, "Progress in antimicrobial activities: a systematic study needs for food applications" *Food Science and Technology International* vol. 18, no. 1, pp. 1-32, 2012 (Impact Factor = 0.907).
14. Santosh Kumar, D. K. Tiwari, P. K. Dutta and Joonseok Koh "Preparation and Circular Dichroism Properties of Chitosan/Methoxycinnamaldehyde" *Journal of Polymer Materials*; vol. 29, no. 3, pp. 309-316, 2012 (Impact Factor - not found).
15. Neha Saxena, Tanvi Jain, Nidhi Padiwal, Richa Singh and P. K. Dutta, "Scanning electron microscopy: Facilitated property of chitosan scaffolds for tissue engineering, *Asian Chitin Journal*; vol. 8, no. 2, pp. 1-4, 2012 (Impact Factor - not found).
16. Ashish Bhatt, Brijesh K. Singh, D. Archana, Amita Verma and P. K. Dutta, "Chitosan/Cyclopentolate pro-drug, Synthesis, physicochemical and biological evaluation," *Asian Chitin Journal*, vol. 8, no. 2, pp. 5-12, 2012 (Impact Factor - not found).
17. D. Archana, Joydeep Dutta and P. K. Dutta, "New Copper Oxide loaded chitosan/PVA film; Enhanced antibacterial for biomedical applications," *Asian Chitin Journal*, vol. 8, no. 2, pp. 13-18, 2012 (Impact Factor - not found).
18. Kazim Shamim, Rizvi and P.K. Dutta, "A new azo and hydrazone containing crosslinker for chitosan derivative: Preparation & characterization-A preliminary study," *Asian Chitin Journal*, vol. 8, no. 2, pp.19-22, 2012 (Impact Factor - not found).
19. Praveen Kumar Yadav, Brijesh K. Singh, D. Archana, Neetu Soni and P. K. Dutta, "Synthesis of 1,3,4-thiadiazole drug for chitosan derivative and biological evaluation". *Asian Chitin Journal*, vol. 8 no. 2, pp.23-30, 2012 (Impact Factor - not found).
20. Nivedita Sinha and P. K. Dutta.  $\alpha$ -aldehyde terminally functional methoxy polyethylene glycol/chitosan graft co-polymer; Synthesis, characterization and pharmaceutical applications. *Asian Chitin Journal*, vol. 8, no. 2, pp. 31-36, 2012 (Impact Factor - not found).
21. G.K.Mehrotra, Shiv.K.Pandey, Shipra Pandey, Avinash C. Pandey, "Zinc oxysulfide ternary alloy nanocrystals: A bandgap modulated photocatalyst," *Applied Physics Letters*; vol. 102, 2013 (Impact Factor = 3.1).
22. G.K.Mehrotra, and K. Kumari, P. Singh, "A facile one pot synthesis of Collagen protected Gold nanoparticles using Na-malanodialdehyde," *Materials Letters*; vol. 79, pp. 199-201, 2012 (Impact Factor = 1.90).
23. G.K.Mehrotra, K. Kumari, P. Singh, M. Dubey, N. D. Pandey, and R. Chandra, "A catalyst free convenient one-pot synthesis of multisubstitutedchromenothiazolanes," *ComptesRendus Chimie*; vol. 15, pp. 267-272, 2012 (Impact Factor =1.80).

#### IV. Publication in Conferences *International*

1. S. Ambreen, M. Danish, M.K. Roy, N.D. Pandey and Ashutosh Pandey, "Sol -gel synthesis of chloroform dispersible TiO<sub>2</sub> nanoparticles Chemical Constellation Cheminar O.P. 14" (International Conference). Organized at B R Ambedkar, NIT, Jalandhar, Sept. 10-12, 2012.
2. Arti Chouhan, Ashutosh Pandey and M. K Roy, "Microwave assisted Sol -gel synthesis of chloroform dispersible alumina Nanoparticles," Chemical Constellation Cheminar (International Conference) pp. 53. Organized at B R Ambedkar, NIT, Jalandhar, Sept. 10-12, 2012.
3. Ashutosh Pandey, Sadhana Singh and D.K. Gupta, "Green Synthesis of two novel metal - organic frameworks," 2<sup>nd</sup> International Indo- German symposium, Green chemistry and catalysis for sustainable development, under ageis of DST, India and BMBF, Germany and I.C.T. Mumbai and Leibniz Institute for catalysis, Germany, Oct. 29-31, 2012.
4. G. K. Mehrotra, Shiv K.Pandey, "Crystallographic Behavior and Determination of Stacking Order of Bi- and Trilayer Graphene," *European Conference on X-ray Spectrometry (EXRS 2012)*, Organized at IAEA, Vienna, Austria, June 2012.

## National

1. Ashutosh Pandey, "Role of metal oxide nanoparticles in photovoltaic devices and bioconjugation," pp.23, National conference on chemistry & life" organized by University of Allahabad, 16<sup>th</sup> Sept. 2012.
2. Arti Chauhan and Ashutosh Pandey, "A Green Approach: Microwave mediated synthesis" pp. 34, National conference on chemistry & life" University of Allahabad, 16<sup>th</sup> Sept. 2012.
3. M. Tripathi, R. Upadhyya Ashutosh Pandey and P.K. Dubey, "Natural dye based photoelectrode for improvement of solar cell performance," National conference on chemistry & life" University of Allahabad, 16<sup>th</sup> Sept. 2012.
4. S. Ambreen, N.D. Pandey, M.K. Roy and Ashutosh Pandey, "Synthesis and characterization of chloroform dispersible TiO<sub>2</sub> nanoparticles obtained from Ti(OBu)<sub>4</sub> and it's modified precursors," 82<sup>nd</sup> Annual session of National symposium on Nano-science & Technology for mankind, B.H.U. Varanasi. Nov. 29-Dec. 01, 2012.
5. M. Tripathi, R. Upadhaya and Ashutosh Pandey, "Natural Sensitizer based dye sensitized solar cell," 82<sup>nd</sup> Annual session of National symposium on Nano-science & Technology for mankind, B.H.U. Varanasi, Nov. 29-Dec. 01, 2012.
6. Brijesh Kumar Singh, Research associate in Chemistry Department presented a paper "A Study on Release Kinetics of Bovine Serum Albumin from Chitosan-Alginate Scaffolds" in National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup>-4<sup>th</sup> November 2012.
7. D. Archana, Research Scholar in Chemistry Department presented a paper "Preparation and characterization of chitosan-PVP-silver oxide ternary nanocomposite film for wound healing applications" in National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup> - 4<sup>th</sup> November 2012.
8. Tanvi Jain, M Tech student presented a Paper "Chitin & Carboxymethylchitin Nanoparticles for Drug Delivery: Preparation, Characterization Evaluation and Comparison" in National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup>-4<sup>th</sup> November 2012.
9. Nidhi Paliwal, M. Tech student presented a paper "Effect of fluid flow on chitosan scaffolds: Degradation and kinetic study" in National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup>-4<sup>th</sup> November 2012.
10. P.K.Dutta, Anuj Jain & Neha Saxena, "Physicochemical & biological evaluation of chitosan alginate gelatin scaffold for tissue engineering applications" National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup>-4<sup>th</sup> November 2012.
11. Richa Singh, M. Tech student presented a paper "polyvinyl alcohol based hybrid coating on hydroxyapatite/chitosan scaffold for controlled drug release" in National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup>-4<sup>th</sup> November 2012.
12. Vinod Kumar, & P.K.Dutta, "Synthesis, physicochemical and bioactivity study of chitosan/cinnamon bark oil composite film for biomedical applications" in National Conference on "Recent Advances in Polymer Science and Technology", Siliguri Institute of Technology and North Bengal University on 2<sup>nd</sup> -4<sup>th</sup> November 2012.
13. M. Tripathi, R. Upadhyya Ashutosh Pandey and P.K. Dubey, "Natural dye based photoelectrode for improvement of solar cell performance" National conference on "chemistry & life", University of Allahabad, India on Sept. 16<sup>th</sup> 2012.
14. A Chouhan and Ashutosh Pandey, "Microwave assisted synthesis of nanomaterials: A boon to green chemistry" in National conference on "Chemistry of primates, Green Chemistry", Dayanand college, Ajmer, India Nov. 29-30 2012.
15. Ashutosh Pandey and Sadhana Singh "Synthesis, photophysical and elctrochemical properties of

## V. Reviewer of International Journals

Sl. no.	Faculty Name	Journal Name
1	Dr. P.K.Dutta	Journal of Polymer Materials, Carbohydrate Polymers, International Journal of Biological macromolecules, RSC Advances, Food Science & Technology International.



perylene substituted organotin compounds for dye sensitized solar cells” National Symposium on

“Chemistry and environment”, BHU, Varanasi, India March 15-16, 2013.

Sl. no.	Faculty Name	Journal Name
2	Dr. G.K.Mehrotra	Journal of Molecular Structure (Elsevier), Inorganic Chemistry Communications (Elsevier), InorganicaChimicaActa (Elsevier).
3	Dr. AshutoshPandey	Inorganic Chemistry (ACS Publication)

## VI. Invited Lectures Delivered

1. A lecture is delivered by Dr. Ashutosh Pandey, on 16th Sept. 2012 organized at National conference on chemistry & life ,University of Allahabad, entitled “Role of metal oxide nanoparticles in photovoltaic devices and bioconjugation”.
2. A lecture is delivered by Dr. Ashutosh Pandey, on 15th March 2013 organized at National symposium on chemistry & environment” organized by B.H. U. Varanasi., entitled “Synthesis, and photophysical properties of perylene substituted organotin compounds for DSSCs”.
3. A lecture is delivered by G.K.Mehrotra, on January 2013 organized at Defence Institute of Advanced Technology, Pune, entitled “Heteroatom Modulated Band Gap Engineering in ZincOxysulfideNanocrystals: Study of Catalytic Interrelationship between Photo degradation and Water Photolysis”.
4. A lecture is delivered by G.K.Mehrotra, on January 2013 organized at BharatiVidyapeeth Deemed University, Pune, entitled “Ionic Liquids: Progression from Green Solvents to their Application in Synthesis of Advanced Materials”.

## VII. Research Projects

Sl. No.	Investigator	Title of Project	Funding Agency	Amount	Duration
1.	Dr. P.K.Dutta	Preparation, characterization and biological activity of fluorescence based chitosan for biomedical application	UGC, New Delhi	~12.0 Lakhs	May 2009- Nov.2012 (completed)
2	Dr. Ashutosh Pandey	Generation of improved photovoltaic devices for making efficient Dye Sensitized Solar Cells	DST New Delhi	~37 Lakhs	July 2009 to Oct. 2012 (completed)
3	Dr. P.K.Dutta and Dr. T.Ghosh	Chitosan derivatives containing azo based Schiff bases: Synthesis, characterization, spectroscopic and antimicrobial studies”	CSIR, New Delhi	~12.2 lakhs (upto IInd installment)	August 2012 – August 2015

## VIII. Other Relevant Information

1. Department organized a Seminar cum Course Development programme, “Need of Chemistry in Engineering Courses” on June 16, 2012.
2. Prof. P. K. Dutta acted as Editor for Asian Chitin Journal June 2012 & Dec.2012.
3. Dr. A. Pandey visited Department of Chemistry LMU Munich Germany during 17<sup>th</sup> Oct. 2012 to 29<sup>th</sup> Oct. 2012.

## 10.6 Department of Computer Science and Engineering

For the first time in India under graduate course in Computer Science and Engineering was offered in 1977. Over the years, it has established itself into a separate department 1965. It has been attracting bright students from all parts of the country for quality education in computer science at under graduate, post graduate and doctoral levels. During the course of time, it has offered opportunities to its inmates in the area of quality education, research in pursuance of a long cherished mission of the department.

The computer Science Engineering Department offers courses leading to a Bachelor of Technology in Computer

Science & Engineering, and Information Technology. It also offers a Master of Technology in Computer Science & Engineering, Master of Technology in Software Engineering, Master of Technology in Information Security, and Master of Computer Application (M.C.A.). Further, the department also enrolls candidates for Ph.D. The department has qualified and experienced faculty in the areas of Computer Architecture, Database Systems, Image Processing, Artificial Intelligence, Data Mining, Wireless and Sensor Networks, Computer Networks, and Software Engineering. There is close interaction between the Computer Science & Engineering Department and various other departments like Electrical Engineering and Electronics & Communication Engineering in the field of teaching and research.

### I. List of Ph.D Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Ranvijay	Improved Energy Aware Real Time Scheduling for Time Critical Applications with Harvesting Constraint	Prof. R.S. Yadav
2.	Shefalika Ghosh Samaddar	Circumstantial Robustness in Information Security	Prof. A.K. Mishra
3.	Arun Mishra	Dynamic Adaptability : Assessment Analysis and Validation	Prof. A.K. Mishra
4.	Rozita Jamili Oskouei	Web Signatures and their differential relationships with outliers from gender groups of students community based on Academic Performance and other Behavioral Dimensions	Prof. B.D. Chaudhary
5.	Manas Kumar Mishra	Self-Localizing, Full covered, m-connected 3D Wireless Sensor Network with Energy Aware Routing	Prof. M.M. Gore
6.	Raghav Yadav	P-Cycle based efficient spam protection approaches for Surv IV Ability of WDM Networks	Prof. R.S. Yadav
7.	Girish Kumar Patnaik	Trustworthy MANET for secure communication	Prof. M.M. Gore
8.	Mayank Pandey	A Formal Model, Simulation and Implementation of Publish/ Subscribe services over Multi-tiered structured P2P Overlay for Interest based community evolution & sharing of latent knowledge	Prof. B.D. Chaudhary
9.	Shakti Mishra	Hybrid Load Balancing in Self Organizing Trusted Clusters	Dr. D.S. Kushwaha and Prof. A.K. Misra
10.	Rajesh Prasad	Improved Algorithms for various string matching problems through Bit-Parallelism and other Techniques	Prof. Suneeta Agarwal

## II. List of M.Tech Thesis Completed

Sl. no.	Name Student	Thesis title	Supervisor(s)
1.	Atma Prakash Singh	Modified forecasting Routing Technique using Prediction based Location Information	Prof. R. S. Yadav
2.	Anjali Jain	Collision Detection & Avoidance in Railways using WiMAX	Dr. Neeraj Tyagi
3.	Namita Srivastava	Memetic Algorithm for Bi-Objective Graph Coloring Problem	Prof. A. K. Misra
4.	Shubhra Shivani	Hand Geometry based Gender Classification	Prof. Suneeta Agarwal
5.	Paras Gupta	Dereplication: A Dynamic Memory Aware Mechanism in Distributed Environment	Dr.D.S. Kushwaha
6.	Salil Raj Kumar	Chunk Based Data Deduplication in Cloud Computing	Mr.A.K. Singh
7.	Arjun Choudhary	A Novel Approach for Test Cases Generation	Prof. A. K. Misra
8.	Jagadish Dharanikota	Phrase Matching in (S, C) Dense Code Compressed Files	Prof. Suneeta Agarwal
9.	Hemant Hariyale	Decentralized Load Balancing using BLCR with Checkpoint & Restart	Dr. D. S. Kushwaha
10.	Sharad Garg	Minimizing Latency during Handover between Wi-Fi and WiMAX based on IEEE 802.21	Dr. Neeraj Tyagi
11.	Glitto Mathew	Timer & Distance based Routing Protocol for Continuous Monitoring Application in WSN	Prof. M. M. Gore
12.	Shashank Gupta	Ontology based Matching Engine for Publish/Subscribe	Er. Mayank Pandey
13.	Arpit Solanki	A Reward based Genetic Algorithm for Optimal Web Service Selection	Mr. D. K. Yadav
14.	Ghanshyam Verma	Image Mosaicing: Create High Quality Panonomic Images	Mr. Manoj Wariya & Dr. G. P. Sahu
15.	Ruchi Goel	An Approach of Face Feature Extraction and Its Illumination Normalized Images for Gender Classification	Prof. Suneeta Agarwal
16.	Ashish Tripathi	A Performance Evaluation Software (PES) for Behavioral Analysis of Students	Er. K. K. Misra
17.	Rajoo Kr. Kannaujiya	A Modified Time Varying Acceleration Coefficients Based PSO with High Performance	Er. K. K. Misra
18.	Shailendra Verma	Reduction of Synchronization Overhead using Modification Propagation in Distributed File Replication System	Dr. D. S. Kushwaha
19.	Dinesh Kr. Yadav	Neighbour Cell List Reduction for Efficient Handover in WiMax Femtocell Network	Dr. Neeraj Tyagi
20.	Mhd Feeroz	A Hybrid Optimization Algorithm	Er. K. K. Mishra
21.	Abhineet Anand	Detecting Community Structure based on Traffic at Note in Networks	Mr. A. K. Singh
22.	Mudit Pant	Energy Efficient Multihop Routing Technique for Clustered Wireless Sensor Networks	Prof. M. M. Gore

Sl. no.	Name Student	Thesis title	Supervisor(s)
23.	Pratima Vishwakarma	Feature Selection in High Dimensional Data for Text Classification	Er. A. K. Singh
24.	Swagat Ranjan Sahoo	A Priority-based Batch Scheduling Method in Cloud Computing Environment	Mr. D. K. Yadav
25.	Ritu Nigam	A Non-Dominated Sorting Environmental Adaptation Method for Multi-Objective Optimization Problem	Prof. A. K. Misra
26.	Mona Kumari	Real Time Scheduling with DVS & Harvesting Energy Constraints	Prof. R. S. Yadav
27.	Ajitesh Kumar	Energy-Efficient Improved Priority Ceiling Protocol for Real-Time Systems	Prof. R. S. Yadav
28.	Ajeet Kr. Nigam	Ontology Based Framework for Web Page Information Extraction	Er. Manoj Wairiya
29.	Manish Kr. Singh	A Knowledge based Approach for Component Composition	Mr. D. K. Yadav
30.	Shraddha Dixit	Design & Implementation of Metadata Editor for Digital Educational Content	Er. Mayank Pandey
31.	Prashant S. Modi	A Novel Methodology to Identify & Prevent Vulnerabilities in Software Maintenance Phase	Er. Manoj Wairiya
32.	Rohit Kr. Gupta	Design & Implementation of P2P Video Streaming Across Different Private Networks	Er. Mayank Pandey
33.	Vipendra Kr. Mehra	Distance Based Multi-hop Routing Protocol with Energy & Load Balancing in WSN	Prof. M. M. Gore
34.	Rakesh Kr. Lenka	A Compact DFA Structure for Multiple Regular Expressions Matching	Dr. Prabhat Ranjan
35.	Varun Agarwal	Transmission Delay Based Routing Algorithm for VANET	Prof. R. S. Yadav
36.	V.S. Anirudha Kaki	Dynamized Tango Tree to Solve the Dictionary Problem	Prof. Suneeta Agarwal
37.	Priti Tiwari	Higher Order Mutation Testing by removing least Priority Operators	Dr. Prabhat Ranjan
38.	Yogesh Kumar	Ranking of Cloud Services using a Multi-Criteria Decision Making Approach	Er. A. K. Singh
39.	Gautam Kumar	A New Software Development Model for Distributed Software Development	Prof. A. K. Misra
40.	Atul Kumar Srivastava	Secure Baggage Management at Airport using Two-Dimensional Barcode	Prof. Suneeta Agarwal
41.	Ramesh Chand	Suitability Analysis of Bloom Filter & Hash Function based on an Application Scenario	Dr. D. S. Kushwaha
42.	Brijesh Pandey	Framework for Continuously Moving Object to Monitor Result Changes of Spatio Temporal Queries using Data Stream Management System	Mr. D. K. Yadav
43.	Pragya Lal	An Efficient QoS Aware Fault Tolerant Scheduling for Real Time Tasks	Prof. R. S. Yadav
44.	Kuldeep Jaiswal	Test Case Selection in Regression Testing Applying Genetic Algorithm	Mr. K. K. Mishra

Sl. no.	Name Student	Thesis title	Supervisor(s)
45.	Subhash Kumar	Text Document Clustering by Detecting Initial Centroids for K-means	Prof. M. M. Gore
46.	Abhinav Kr. Gupta	Item Recommender System Based on Cubic Analysis Approach	Prof. M. M. Gore
47.	Seema Kashyap	A Comparison of Hybrid Image Compression Technique based on LBG & Kohonen Network in DCT Domain	Er. Manoj Wariya & Prof. V. K. Srivastava
48.	Dhirendra Kr. Shukla	Trust Based Ad-hoc On Demand Distance Vector Routing	Er. Manoj Wariya & Prof. Rajeev Tripathi
49.	Vipin Kr. Pandey	Implementing evolution of Interest based P2P Communities	Er. Mayank Pandey
50.	Vinay Pratap Singh	MTMS: An Intelligent Traffic Analysis Protocol Suite	Er. Rajesh Tripathi
51.	Nidhi Jain	Study of Process Migration Based on CPU Overload	Dr. D. S. Kushwaha
52.	Deepesh Kaushal	Modifying AODV for Cluster Based Routing in Wireless Mesh Networks using Group Head Concept	Dr. Neeraj Tyagi
53.	Priyanka Goel	On a Face Recognition & Gender Classification System	Prof. Suneeta Agarwal
54.	Indu Yadav	Automatic Test Case Generation for Object-Oriented System Using UML Sequence Diagram	Prof. Arun Kr. Mishra
55.	Anamika Maurya	An Approach for Software Effort Estimation Using Fuzzy Numbers & Genetic Algorithm	Prof. A. K. Misra
56.	Vinod Kr. Yadav	Reliable Task Allocation in Distributed System	Mr. D. K. Yadav
57.	Shiv Kr. Vaishya	Comparative Analysis of Image Restoration Algorithms on "in vivo" Microscopic Images of Rat Prostate Tissue	Dr. A. K. Singh
58.	Naveen Trivedi	Evaluation of Load Balancing with Self-adaptive Technique	Er. Rajesh Tripathi
59.	Namita Sharma	Data Compression Using Hamming Code	Prof. Suneeta Agarwal
60.	Satyendra Sharma	Semantic Chunking based P2P Video streaming of NPTEL Video courses in LAN Environment	Mr. Mayank Pandey
61.	Chandra -kant Kr Singh	Analysis of Routing Protocols in VANETS	Dr. Neeraj Tyagi
62.	Ashish Kr. Mishra	Improvement of QoS in Location Management for PCS Networks	Prof. R. S. Yadav
63.	Manish Kumar Mehrotra	Cloud Models for Interactive Communication	Er. D. K. Yadav
64.	Ajay Prakash Dixit	A Mutation Testing Based Approach for Test Data Generation	Er. K. K. Mishra
65.	Akhilesh Pandey	Automatic Test Case Generation for White Box Testing	Er. K. K. Misra
66.	Anurag Sewak	WebChord – A Web-based Implementation of Chord Peer-to-Peer Look Up Service	Er. Mayank Pandey
67.	Harendra Singh	A Priority based SRM Algorithm for VOQ Packet Switch Architecture	Dr. Prabhat Ranjan

Sl. no.	Name Student	Thesis title	Supervisor(s)
68.	Bakshi Rahul	Study of Events to Build Simplified Framework for Security Awareness in Network	Er. Manoj Wairiya
69.	Awadesh Kumar	Performance Comparison of Lossy Image Compression based on Encoding Techniques	Prof. R. S. Yadav
70.	Indu Bhushan Dubey	Extensibility in Shared Database & Shared Tables Architecture of Multi-tenant Database	Dr. D. S. Kushwaha
71.	Alok Kr. Kashyap	Property Based Testing of Hierarchical DHT Design Using Erlang	Er. Mayank Pandey
72.	Akhilesh Kumar	Guaranteed Convergence Particle Swarm-Optimization Using Personal Best	Mr. K. K. Mishra
73.	Buddhdev Prasann K.	Dynamic Access Point Selection Strategy for Load Balancing in 802.11	Dr. Neeraj Tyagi
74.	Sushil Kr. Saroj	A Novel CPU Scheduling with Variable Time Quantum Based on Mean Difference of Burst Time	Dr. Prabhat Ranjan
75.	Amit Kumar Srivastava	Plugging DHCP Security Holes Using S-DHCP	Prof. A. K. Misra
76.	Aravendra Kr. Sharma	Sybil Node Prevention & Detection in vehicular Ad-hoc Network	Mr. Sandeep Harit
77.	Prashant Kumar	Development & Validation of an NS2 Module for Data Security at Network Layer	Prof. Rama Shankar Yadav
78.	Mradula Sharma	On Creation of Shares for Visual-Cryptography	Prof. Suneeta Agarwal
79.	Ujjal Kr. Das	Formalization of Efficient Web Caching Pattern	Mr. D. K. Yadav
80.	Sachin Kr. Saini	Simulative Analysis of Threshold based Eviction of Misbehaving Nodes in Vehicular Ad-Hoc Networks	Mr. Sandeep Harit
81.	Poonam Pandey	Detection & Identification of ARP Spoofing with the Help of Enhanced Spoof Detection Engine (E-SDE)	Prof. R. S. Yadav
82.	Madhuv-rata Mishra	An Improved Environmental Adaption Method (EAM)	Prof. A. K. Misra
83.	Anurag Pandey	Test Case Redundancy detection & Removal by code coverage analysis	Prof. A. K. Misra
84.	Mahendra Pratap Yadav	An Interface Formalism of Web Services Based Protocol Specification & Component Adapter using Pi-Calculus	Mr. D. K. Yadav
85.	Vikas Kr. Suhag	A Genetic Algorithm Based Clustering Approach for Structural K-Anonymity in Social Networks	Prof. M. M. Gore
86.	Sanjeev Kumar Chauhan	Row-Based Encryption Model for Securing Access to Outsourced Databases	Prof. M. M. Gore
87.	Anil Kr. Sahu	Construction of Approximate Minimum Spanning Tree for Kinetic Objects in Euclidean Two Dimensions Space	Prof. Suneeta Agarwal
88.	Kunal Sain	On A Geometric Invariant Image Watermarking Scheme for Authentication	Prof. Suneeta Agarwal
89.	Vivek Sharma	Auto Adjustive Differential Evolution Algorithm	Mr. K. K. Mishra
90.	Sankalp Sonu	Misbehavior Detection Scheme using Verifier Vehicle in Vehicular Ad Hoc Network	Er. Sandeep Kr. Harit
91.	Vijay Kumar	Pseudonym Generation Based on Earlier Certificate Lifetime	Er. Sandeep Kr. Harit

Sl. no.	Name Student	Thesis title	Supervisor(s)
92.	Harsh Kr. Dubey	Design & Development of NS-2 Module for Message Integrity & User Authentication at application layer	Prof. R. S. Yadav
93.	Gami Nitesh Kumar A.	Reducing Handover Delay in 802.11 using Media Independent Handover	Dr. Neeraj Tyagi
94.	Sagar Pareek	Development of Simulation platform for P2P over VANET	Dr. Mayank Pandey

### III. Publication in Journals *International*

1. Brajesh Kumar Singh, "An Alternate Soft Computing Approach for efforts Estimation by Enhancing Constructive Cost Model in Evaluation Method", International Journal of Innovation, Management and Technology, Vol.3, No.3, pp. 272-275, June 2012 (Impact Factor - not found).
2. Tulika Pandey, Deepak Garg and M.M. Gore, "Publish/subscribe based information dissemination over VANET utilizing DHT", International Journal of Frontiers of Computer Science, Vol 6, Issue 6, pp 713-724, December 2012 (Impact Factor = 0.298).
3. Suwendu Kanungo, Gadadhar Sahoo and M.M. Gore, "BiRange: An Efficient Framework for Biclustering of Gene Expression Data Using Range Bipartite Graph," American Journal of Bioinformatics Research, vol.2, no. 4, pp. 40-46, February 2012 (Impact Factor - not found).
4. Manu Vardhan, Shrabani Mallick, Shakti Mishra and Dharmender Singh Kushwaha, "A Demand Based Load Balanced Service Replication Model". In Global Science and Technology Forum (GSTF), Journal on Computing (JoC), Vol. 2, No. 4, 2013 (Impact Factor - not found).
5. Manu Vardhan and Dharmender Singh Kushwaha, "TBFR: A Threshold Based File Replication Approach for Increased File Availability and its Formal Verification", In Int. J. of Information and Communication Technology (IJICT), Inderscience Publishers, 2012 (Impact Factor =0.333).
6. Manu Vardhan and Dharmender Singh Kushwaha, "File Replication and Consistency Maintenance Mechanism in a Trusted Distributed Environment", In CSI Transactions on ICT, Springer Publisher, 2012 (Impact Factor =1.014).
7. Ashish Sharma and Dharmender Singh Kushwaha, "An Empirical Approach for Early Estimation of Software Testing Effort", In CSI Transactions on ICT, Springer Publisher, 2012 (Impact Factor =1.014).
8. Manu Vardhan, Akhil Goel, "Abhinav Verma and Dharmender Singh Kushwaha, "A Dynamic Fault

Tolerant Threshold based Replication Mechanism in Distributed Environment", Elsevier Journal – Procedia Technology, Oct. 2012 (Impact Factor =0.737).

9. Ashish Sharma, D.S. Kushwaha, "Early Estimation of Software Development Effort uses Requirement Based Complexity", in Elsevier Journal – Procedia Technology, Vol. 4, pp. 716-722, February 2012 (Impact Factor = 0.737).
10. Sandeep Saxena, Shashank Srivastava and Shampa Chakraverty, "Enhancing the Process of Cloud Monitoring and Forensics", International Journal of Computer Science, vol. 10, issue 1, January 2013 (Impact Factor = 0.342).

### IV. Publication in Conferences *International*

1. Sanjay Kumar Maurya, Pavan Kumar Mishra, and Ravindra Kumar Singh, "Image Enhancement by Intensity based Interpolation and Selective Threshold", IEEE International Conference on Communication systems and network technology (CSNT 2012), 11-13 May 2012, Rajkot, Gujrat.
2. Sansar Singh Chauhan and M.M. Gore, "LDC-MAC: Low latency DC-MAC protocol for wireless sensor network", In Proceedings of the CUBE International Information Technology Conference (CUBE'12), pp 133-137, September 3-5, 2012, Pune, India
3. Jagadish Dharanikota and Suneeta Agarwal, "Phrase matching in (s,c) dense code compressed files" In Proceedings of the Second International Conference on Advances in Computing, Control and Communication (CCN), pp. 49–52, 17 June 2012.
4. Priyanka Goel and Suneeta Agarwal, "Hybrid approach of haar cascade classi-fiers and geometrical properties of facial features applied to illumination invari-ant gender classification syste", In Proceedings of the International Conference on Computing Sciences (ICCS), LPU, Punjab, India, 14-15 September 2012.

5. Priyanka Goel and Suneeta Agarwal, "An illumination invariant robust and fast face detection, feature extraction based face recognition system". In Proceedings of the Third International Conference on Computer and Communication Technology (ICCT), MNNIT, Allahabad, 23-25 November 2012.
6. Ruchi Goel and Suneeta Agarwal, "Illumination normalization facial feature approach for gender classification", In Proceedings of the International Conference on Computer Science and Engineering (ICCSE), Ahmedabad, Gujarat, India, 24 June 2012.
7. V. S. Anirudha Kaki and Suneeta Agarwal, "Upgraded tango tree to solve the dictionary problem and its applications", In Proceedings of the Second International Conference on Advances in Computing, Control and Communication (CCN), pages 39–43, 17 June 2012.
8. Shubhra Shivani and Suneeta Agarwal, "Gender classification based on hand geometry", In Proceedings of the International Conference on Computer Science and Engineering (ICCSE), Ahmedabad, Gujarat, India, 24 June 2012.
9. Atul Kumar Srivastava and Suneeta Agarwal, "A new approach for secure baggage management at airport using encrypted two-dimensional barcode", In Proceedings of the Second International Conference on Advances in Computing, Control and Communication (CCN), pages 34–38, 17 June 2012.
10. Vikas Maheshkar, Suneeta Agarwal, Vinay Kr. Srivastava and Sushila Maheshkar, "Face Recognition using Geometric Measurements, Directional Edges and Directional Multi resolution Information", In Proceeding of the second International Conference on Communication, Computing & Security [ICCCS-2012], pages 939-946. ELSEVIER PROCEEDIA, October 2012.
11. Aprna Tripathi, Dharmender Singh Kushwaha, Arun Kumar Misra, "Software Change Validation Before Change Implementation", 2nd International Conference on Advance Computing and Creating Entrepreneurs (ACCE 2013), February 2013
12. Aprna Tripathi, Dharmender Singh Kushwaha, Arun Kumar Misra, " Analysis of Impacted Classes and Regression Test Suite Generation", 2nd International Conference on Advance Computing and Creating Entrepreneurs (ACCE 2013), February 2013.
13. Prateek Khurana, Aprna Tripathi And Dharmender Singh Kushwaha, "Change Impact Analysis and its Regression Test Effort Estimation", 3rd IEEE International Advance Computing Conference (IACC-2013), February 2013.
14. Rajat Swapnil, Aprna Tripathi And Dharmender Singh Kushwaha, "Software Change Validation Using Class Diagram and SRS", 3rd IEEE International Advance Computing Conference (IACC-2013), February 2013
15. Shrabani Mallick, Dharmender Singh Kushwaha, "An Efficient Publish-Subscribe Protocol for Collaborative Content Delivery – Ex-PUSH", International Symposium and Workshop on Cloud and Services Computing ISCOS 2012, December 16-19, 2012.
16. Manu Vardhan, Shailendra Verma, Priyank Bhatnagar and Dharmender Singh Kushwaha, "Eager Computation and Lazy Propagation of Modifications for Reducing Synchronization Overhead in File Replication System", in 3rd IEEE Conference on Computer and Communication Technology (ICCT-2012), Allahabad, India, Nov 2012.
17. Manu Vardhan, Akhil Goel, Abhinav Verma and Dharmender Singh Kushwaha, "Demand Based File Replication and Consistency Mechanism", in 3rd IEEE Conference on Computer and Communication Technology (ICCT-2012), Allahabad, India, Nov 2012.
18. Durgesh Bajpai, Manu Vardhan and Dharmender Singh Kushwaha, "Ensuring Security in On-demand File Replication System", in 3rd IEEE Conference on Computer and Communication Technology (ICCT-2012), Allahabad, India, Nov 2012.
19. Aprna Tripathi, Bhuvnesh Kumar, Ashish Sharma and Dharmender Singh Kushwaha, "SRS based Estimation of software maintenance effort ", in 3rd IEEE Conference on Computer and Communication Technology (ICCT-2012), Allahabad, India, Nov 2012.
20. Shrabani Mallick and Dharmender Singh Kushwaha, "Service Oriented Architecture and Modelling (SOAM)– A Formal Approach", In 3rd Annual International Conference on Software Engineering & Application, SEA 2012, Singapore, 19-20 Nov 2012.
21. Manu Vardhan, Shrabani Mallick, Shakti Mishra and Dharmender Singh Kushwaha, "A Demand Based Service Replication Model", in 3rd Annual International Conference on Advances in Distributed and Parallel Computing (ADPC 2012), Bali, Indonesia, Sept 2012.



22. Manu Vardhan, Shakti Mishra and Dharmender Singh Kushwaha, "A Demand Based Fault Tolerant File Replication Model for Clouds". In CUBE: International Information Technology Conference & Exhibition, Pune, India, Sept. 3-5, 2012.
23. Durgesh Bajpai, Manu Vardhan, Harsh Singhal and Dharmender Singh Kushwaha, "Authentication Interface using Security Service Level Agreements for accessing Cloud Services". In Fifth International Conference on Contemporary Computing, (IC3-2012), IIIT Noida, INDIA, Aug 6-8, 2012.
24. Manu Vardhan, Paras Gupta and Dharmender Singh Kushwaha, "File Replication and Dereplication of Replica's in Distributed Environment". In Fifth International Conference on Contemporary Computing, (IC3-2012), INDIA, Aug 6-8, 2012.
25. Manu Vardhan, Paras Gupta, Manoj Wariya and Dharmender Singh Kushwaha, "Dereplication: A Dynamic Memory Aware Mechanism". In Third International Conference on Cloud Computing, GRIDs, and Virtualization (Cloud Computing 2012), Nice, France, July 22-27, 2012.
26. Paras Gupta, Manu Vardhan and Dharmender Singh Kushwaha, "On the Fly File Dereplication Mechanism". In Second International Workshop on peer-to-peer networks and Trust Management (P2PTM-2012), Chennai, India, July 13-15, 2012.
27. Durgesh Bajpai, Manu Vardhan and Dharmender Singh Kushwaha, "Security Service Level Agreements based Authentication and Authorization Model for Accessing Cloud Services". In Second International Workshop on peer-to-peer networks and Trust Management (P2PTM-2012), Chennai, India July 13-15, 2012.
28. Hemant Hariyale, Manu Vardhan and Dharmender Singh Kushwaha, "Load Balancing in Cluster using BLCR Checkpoint/Restart". In Second International Workshop on peerto-peer networks and Trust Management (P2PTM-2012), Chennai, India, July 2012.
29. Manu Vardhan, D. K. Yadav and Dharmender Singh Kushwaha, "A Transparent Service Replication Mechanism for Clouds", The Sixth International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS-2012), , Palermo, Italy, July 4th-6th, 2012.
30. Manu Vardhan, Paras Gupta and Dharmender Singh Kushwaha, "OERD - On Demand and Efficient Replication Dereplication", In WiMoA-2012, pp. 425-434, New Delhi, INDIA, May 25-27, 2012.

## V. Other Relevant Information.

1. Department organized International Conference on computer and communication Technology (ICCCT) on 23-25 November 2012.

## 10.7 Department of Electrical Engineering

The Electrical Engineering Department offers courses leading to a Bachelor of Technology in Electrical Engineering and a Master of Technology in Control and Instrumentation, Power System, and Power Electronics and ASIC Design along with a part-time Master of Technology course in these specializations. Further, the Department also enrolls candidates for Ph.D programs. The Department has

qualified and experienced faculty in all the related fields of Electrical Engineering viz. Electrical Power System, Electrical Machines, Control, Instrumentation, Microprocessors, Power Electronics, and Digital Signal Processing. The theoretical knowledge is further supplemented by well equipped laboratories. There is widespread interaction between the Electrical Engineering Department and various other departments like Electronics Engineering and Computer Science and Engineering in the field of teaching and research.

### I. List of Ph.D Thesis Completed

Sl. no.	Name Student	Thesis title	Supervisor(s)
1	Prakash Kumar Ray	Study of Disturbances and Frequency Regulation in Hybrid Distributed Generation Power System	Dr. Nand Kishor Dr. S.R. Mohanty

## II. List of M.Tech Thesis Completed

Sl. no.	Name Student	Thesis title	Supervisor(s)
1	Kumar Manu	Neural Observer Design for Discretized Model of Twin Rotor Mimo System.	Prof. Shubhi Purwar
2	Tulika Shankar	WECS using Perwaeut Magnet Synchronous Generator	Prof. Ravindra K.Singh
3	Hrishitosh Bisht	Comparison of FLC Approach of Modified Hill Climbing Method For MPPT With P & O and Basic FLC Method Ingrid Connected PV System	Prof. Ravindra K.Singh
4	Gorav Vig	Direct Torque Control of Five Phase Induction Motor	Prof. Ravindra K.Singh
5	Ashish Kushwaha	Grid Connection of Six Phase Induction Generator	Prof. Ravindra K.Singh
6	Shivam Bhardwaj	PID Controller Tuning: A Comprehensive study using Fuzzy Logic and Particle Swarm Optimization.	Prof. Satya Sheel
7	Rishabh Abhinav	An Adaptive Robust Control of DC Motor Using PID Controller	Prof. Satya Sheel
8	Ankit Tiwari	Development of A PCL based PID Controller Couepnor	Prof. Satya Sheel
9	Arinjoy Biswas	Stair Case PWM Modulation Technique in Generalized Frequency Converter	Prof. Vineeta Agarwal
10	Priyanka Sonkar	Single Phase to Three Phase CI With SVPWM Controller	Prof. Vineeta Agarwal
11	Shubham Verma	Development of Fibonacci Search Algorithm for Cycloconverter	Prof. Vineeta Agarwal
12	Jawahar Lal Jaiswal	Implementation of Single Phase Matrix converter as a Generalized Single Phase Converter	Prof. Vineeta Agarwal
13	Rajan Kumar	3 $\Phi$ Grid Connected Photovoltaic System with Battery Storage for PQ Improvement	Dr. Nand Kishor
14	Akshaya Kumar Pati	Harmonic Compensation in Conventional 4 WEC Systems	Dr. Nand Kishor
15	Ravit Kumar	Power Management In Hybrid DC System	Dr. Nand Kishor
16	Vipin Chandra Pal	A Performance Analysis of Discrete Time Systems with Input Saturation: An LMI Based Approach	Dr. Richa Negi
17	Megha Goyal	Power flow control and power quality enhancement in distributed micro grid using wind energy system	Dr. Rajesh Gupta
18	Alok Kumar	Development of fish length and weight measuring instrument.	Prof.Satya Sheel
19	Alok Kumar Singh	MPPT Scheme for Small / Large Time Partially Shaded Condition of a PV Cell, Array.	Dr. R.K. Tripathi
20	Himanshu Kumar	Simulation and Hardware Implementation of Variable Incremental Conductance Method with Direct Control Method Using Boost Converter.	Dr. R.K. Tripathi

Sl. no.	Name Student	Thesis title	Supervisor(s)
21	Umesh Dikshit	Direct Torque Control for Dual Three – Phase Induction Motor Drives.	Dr. R.K. Tripathi
22	Ishtiyaque Ahmad	Indirect field Oriented Control Of Induction Motor Using SVPWM Fed with Reduced Switch Z-Source Inverter.	Dr. R.K. Tripathi
23	Avinash Kumar Patel	Model Order Reduction of Continuous High Order MIMO Systems Using PSO.	Er. Anirudha Narain
24	Hari Shankar Singh	Tuning Methods of Fractional Order PID Controller.	Dr. Asheesh K. Singh
25	Vikas Srivastava	Modified MPPT Method Based On Incremental Conductance MPPT For PV System Under Partial Shaded Condition	Dr. Asheesh K. Singh
26	Omkar Singh Kardam	Optimal Tuning of PID Controller for AVR System Using Evolutionary Methods	Dr. Asheesh K. Singh
27	Krishna Kant Sahu	Optimization of Location And Size of Distributed Generation In Distribution System Using PSO.	Dr. Asheesh K. Singh
28	Naresh Kumar Kummari	Performance Evaluation of Dstatcom Control Algorithms For Load Compensation.	Dr. Asheesh K. Singh
29	Janardan Kundu	Stability Analysis of Discrete Time Delay Systems with Actuator Saturation.	Dr. Richa Negi
30	Santosh Kumar	A Comparative Study of PID Turing Methods Using Anti-Windup Controller.	Dr. Richa Negi
31	Rammurti Meena	Backstepping Controller Design for MIMO System Using Kalman Filter Approach.	Prof. Shubhi Purwar
32	Pranita Singh	Sliding Mode Controlled DC-AC Buck-Boost Converter.	Prof. Shubhi Purwar
33	Sawaliya Patidar	Load Frequency Control In Wind-Diesel Hybrid Power System Using LMI Approach	Prof. Shubhi Purwar
34	Mohd. Tabrez Alam	Level control of Coupled Tank System Using Nonlinear Control Techniques	Prof. Shubhi Purwar
35	Sandeep Kumar Rathore	Power Control In PV/Battery System With Environments Conditions.	Dr. Nand Kishor
36	G. Syam Naresh	Shunt Active Power Filter as Front End Converter for DC Loads.	Dr. Rajesh Gupta
37	Vijay Kumar Singh	Single phase Isolated Cascaded H-bridge multilevel dual stage AC-DC-AC converter.	Dr. Rajesh Gupta
38	Pankaj Kumar	Control of fuel Cell / Battery in Distributed Generation System.	Dr. Nand Kishor
39	Sushil Kumar Yadav	Interline Power Flow controller In Two Transmission Lines.	Dr. Nand Kishor

Sl. no.	Name Student	Thesis title	Supervisor(s)
40	Mohd Alamgir Khan	PMU in Wind Area Monitoring & Control	Dr. Nand Kishor
41	Anjani Kumar Pandey	Maximum power point tracking & power smoothing in wind energy conversion system using PSO technique.	Er. Anirudha Narain
42	Arvind Kumar Ojha	Optimal design of PID Controller for CSTR system using BG - PSO	Er. Anirudha Narain
43	Brijesh Kumar Kushwaha	Controller design of cuk converter using modal order reduction.	Er. Anirudha Narain
44	Mohd Moid	Fault location in power transmission line using synchronized sampling at both	Er. Anirudha Narain
45	Rahul Sharma	Grid Connected five level active neutral point clamped inverter for wind energy conversion System.	Dr. Paulson Samuel
46	Soumendra Kumar Bagh	Emulation of A Horizontal Axis Wind Turbine Using A Separately Excited DC Motor.	Dr. Paulson Samuel
47	Srinivasarao Chappa	Estimation of Fault Location on transmission-Line Using Synchro Phasors.	Dr. Paulson Samuel
48	Sandeep Banerjee	Digital Control Signal Generation using FPGA for Multi Level Diode Clamped Inverters.	Dr. Paulson Samuel
49	Prateek Chaubey	Design of Controller using MOR Technique	Dr. Dinesh Chandra
50	Shaiqa Anjum	Model Reduction for Continuous Time Stochastic Systems	Dr. Dinesh Chandra
51	Arun Kumar Saroj	Optimal Location of Statcom with Capacitor to Improve Power Flow in Long Transmission Line"	Er. Nitin Singh
52	Yerraguntla Shasi Kumar	Maximum Power Point Tracking of Multiple Solar PV Modules.	Dr. Rajesh Gupta
53	Awadhesh Kumar Singh	Design & Testing of Switched Mode Power Supply Using Forward Converter.	Prof. Ravindra K.Singh
54	Mata Deen	Modeling of Integrated Wimp Power Generation with Battery Energy Storage System	Dr. Nand Kishor
55	Shipra Srivatav	Fractional PID Tuning Methods	Dr. Asheesh K. Singh
56	A.P.Rajendran	State space Model of Drum Boiler system.	Prof. Shubhi Purwar
57	Sujeet Kumar Soni	A.V.R. of 3 $\Phi$ AC Generator.	Dr. R.K. Tripathi

### III. Publication in Journals *International*

1. Natwar S. Rathore and Anirudha Narain, "PID Controller Tuning in Reverse Osmosis System based on Particle Swarm Optimization" *International Journal of Scientific and Research Publications*, ISSN 2250-3153, pp.1-5, 2013 (Impact Factor - not found).
2. Prakash K. Ray, Soumya R. Mohanty, Nand Kishor, Classification of Power Quality Disturbances due to Environmental Characteristics in Distributed Generation System, *IEEE Transactions on Sustainable Energy*, Vol. 4, pp. 302-313, 2013 (Impact Factor - not found).
3. Vijay P. Singh, Soumya R. Mohanty, Nand Kishor, Prakash K. Ray, H-infinity Robust Load Frequency Control In Hybrid Distributed Generation System, *Journal-International Journal of Electrical Power and Energy Systems*. Publisher: Elsevier Science. Vol. 46, pp. 294-305, 2013 (Impact Factor =3.432).
4. Soumya R. Mohanty, Prakash K. Ray, Nand Kishor, B. K. Panigrahi, Classification of Disturbances in Hybrid Power System using Modular PNN and SVMs. *Journal-International Journal of Electrical Power and Energy Systems*. Publisher: Elsevier Science. Vol. 44, pp. 764-777, 2013 (Impact Factor =3.432).
5. Prakash K. Ray, Nand Kishor, Soumya R. Mohanty, Islanding and Power Quality Disturbance Detection in Grid-connected Hybrid Power System Using Wavelet and S-Transforms, *IEEE Transactions on Smart Grid*, Vol. 3, pp. 1082-1094, 2012 (Impact Factor - not found).
6. Sanjay Agarwal, A. K. Chandel, S. R. Mohanti and Vineeta Agarwal "Transformer Winding fault classification based on pattern recognition technique," *International Review of Electrical Engineering (IREE)*, vol.7, no. 6, pp, December 2012 (Impact Factor - not found).
7. Preeti Agarwal, Anshul Agarwal and Vineeta Agarwal "High Frequency Power Generation Using Cyclo inverter with SVM," *International Review of Electrical Engineering (IREE)*, vol.7, no. 6, pp. 6005-6013, December 2012 (Impact Factor = 0.57).
8. Navdeep Kumar "Single Stage AC-AC Converter for Standalone Wind Energy System," *International Journal on Energy Conversion, IRECON*, vol.1, no. 2, pp. 141-146, 2013 (Impact Factor = 0.57).
9. Sanjay Agarwal, A. K. Chandel, S. R. Mohanti and Vineeta Agarwal "Transformer Winding fault classification based on pattern recognition technique," *International Review of Electrical Engineering (IREE)*, vol.7, no. 6, pp. 6093-6103, Dec. 2012 (Impact Factor =0.57).
10. Anshul Agarwal, and Vineeta Agarwal "Design of FPGA Based Controller for Delta Modulated Single-Phase Matrix Converter," *Journal of Power Electronics*, vol. 12, No. 6, November 2012 (Impact Factor =0.783).
11. Anshul Agarwal and Vineeta Agarwal "FPGA Realization of Trapezoidal PWM for Generalized Frequency Converter," *IEEE Transaction on Industrial Informatics*, vol. 8, no. 3, pp. 501-510, Aug 2012 (Impact Factor =3.381).
12. Anshul Agarwal and Vineeta Agarwal "FPGA Based Variable Frequency AC to AC Power Conversion," *Electrical Power System Research (EPSR), ELSEVIER*, pp. 67-78,, Vol. 90, September 2012 (Impact Factor =2.021).
13. Anshul Agarwal and Vineeta Agarwal "FPGA Based Delta Modulated Cyclo- Inverter," *IET Transaction on Power Electronics*, pp 1-11, December 2012 (Impact Factor =1.519).
14. V. P. Singh and Dinesh Chandra "Model reduction of discrete interval system using clustering of poles," *International Journal of Modeling, Identification and Control*, vol. 17, no. 2, pp. 116-123, 2012 (Impact Factor - not found).
15. V. P. Singh and Dinesh Chandra "Reduction of discrete interval systems based on pole clustering and improved Pade approximation: a computer aided approach," *International Journal of Advanced Modeling and Optimization*," vol. 14, no. 1, p. 45-56, 2012 (Impact Factor - not found).
16. V. P. Singh and Dinesh Chandra "Reduction of discrete interval system using clustering of poles with Pade approximation: a computer-aided approach," *International Journal of Engineering, Science and Technology*, vol. 4, no. 1, pp. 96-104, 2012 (Impact Factor - not found).
17. Rishabh Dev Shukla and Prof. R.K. Tripathi "Maximum Power Extraction Schemes and Power control in Wind Energy Conversion System," *International Journal of Scientific and Engineering Research*, Volume 3, Issue 6, June-2012 (Impact Factor - not found).
18. Rajesh Gupta "Generalized Frequency Domain Formulation of the Switching Frequency for Hysteresis Current Controlled VSI Used for Load Compensation, *IEEE Transactions on Power Electronics*, vol. 27, no.5, pp. 2526-2535, May 2012 (Impact Factor - not found).
19. R. S. Bajpai and Rajesh Gupta, "Modeling and control of multi-functional DVR supported from wind energy system", *International Journal of Emerging Electric Power Systems, (De Gruyter)*, pp. 1-27, Sept. 2012 (Impact Factor - not found).
20. Vinay Kumar Deolia, Shubhi Purwar, and T. N. Sharma "Dead-zone compensation with Back stepping Control

- in Discrete-Time Nonlinear Systems using Neural Networks," *International Journal of CSNT*, vol.2, No.1, 2012 (Impact Factor - not found).
21. Vinay Kumar Deolia, Shubhi Purwar, and T. N. Sharma "Adaptive Back stepping Controller for Discrete-Time Nonlinear Systems with Input Saturation," *International Journal of Communication System and Networks, Science and Engineering Support Society and Machine Intelligence Research Labs, USA*, vol.1, No.1, 2012 (Impact Factor - not found).
  22. Vinay Kumar Deolia, Shubhi Purwar and T. N. Sharma "Stabilization of Unknown Nonlinear Discrete-Time Delay Systems based on Neural Network," *Control and Automation, Scientific research publications*, vol.3, No. 4, 2012 (Impact Factor - not found).
  23. Richa Negi, Shubhi Purwar and Haranath Kar "Delay-Dependent Stability Analysis of Discrete Time Delay System with Actuator Saturation," *Intelligent Control and Automation by SRP*, vol. 3, pp. 34-43, 2012 (Impact Factor - not found).
  24. Richa Negi, Haranath Kar, and Shubhi Purwar "Stability Analysis of 2-D Discrete Linear System Described by the Fornasini-Marchesini Second Model with Actuator Saturation," *International Scholarly Research Network Computational Mathematics*, 2012 (Impact Factor - not found).
  25. R. Negi, S. Purwar, and H. Kar "Delay-dependent stability analysis of discrete time-delay system with actuator saturation," *Intelligent Control and Automation by SRP*, vol. 3, pp. 34-43, 2012 (Impact Factor - not found).
  26. R. Negi, H. Kar, and S. Purwar "Stability analysis of 2-D discrete linear system described by the Fornasini-Marchesini second model with actuator saturation," *International Scholarly Research Network Computational Mathematics*, Volume XX, 2012 (Impact Factor - not found).
  27. Deepak Kumar, J.P. Tiwari and S.K. Nagar "Reducing order of large scale systems by extended balanced singular perturbation approximation," *Int. J. Automation and Contr*, Vol. 6, No. 4, pp. 21-38, 2012 (Impact Factor - not found).
  28. Deepak Kumar, J.P. Tiwari and S.K. Nagar "Controller reduction by Balanced approach with guaranteed closed-loop performance,," *Int. J. Automation and Control*, Vol. 6, No. 2, pp. 105-119, 2012 (Impact Factor - not found).
  29. Deepak Kumar, J.P. Tiwari and S.K. Nagar "Controller Reduction by optimal Hankel norm Approximation with Guaranteed Closed-loop Performance," *7th IEEE Conf. Industrial Electro. Apply. (ICIEA 2012)*, Singapore, pp. 744-749, 2012 (Impact Factor - not found).
  30. Bhanu Pratap and Shubhi Purwar "Real-time Implementation of State Observers for Twin Rotor MIMO System: An Experimental Evaluation," *International Journal of Modelling, Identification and Control*, Vol.19, No.1, 98-110, 2013 (Impact Factor - not found).
  31. Vinay Kumar Deolia, Shubhi Purwar, and T. N. Sharma "Adaptive Backstepping Controller for Discrete-Time Nonlinear Systems with Input Saturation," *International Journal of Communication System and Networks, Science and Engineering Support Society (SERSC)*, Vol. 1, No. 3, pp.16-23, 2013 (Impact Factor - not found).
  32. Rambir Singh, Asheesh K. Singh, and Rakesh K. Arya, "Approximated Fuzzy Logic Controlled Shunt Active Power Filter for Improved Power Quality" *Expert Systems (Wiley)*, vol. 30, issue 2, pp. 152–161, 2012 (Impact Factor - not found).
  33. Rambir Singh, and Asheesh K. Singh, "Design and Analysis of an Improved Approximated Fuzzy Logic Controller for Shunt Active Power Filter" *International Journal of Fuzzy System Applications*; 2012, vol. 2, issue 3, pp. 69-89,2012 (Impact Factor - not found).
  34. Rambir Singh, and Asheesh K. Singh, "Comments on the "PI and fuzzy logic controllers for shunt active power filter—A report" [ISA Trans 51(2012) 163-169]", *ISA Transactions (Elsevier)*, vol. 51, issue 5, pp. 665-666, 2012 (Impact Factor - not found).
  35. Shashi Bhushan Singh and Asheesh Kumar Singh, "Precise Assessment of Performance of Induction Motor Under Supply Imbalance through Impedance Unbalance Factor" *Journal of Electrical Engineering (Slovakia)*, Vol. 64, No. 1, pp. 31–37, 2013 (Impact Factor - not found).
  36. S. B. Singh, and A. K. Singh "Steady- State Performance Assessment of Induction Motor under Unbalance Voltage Condition" *Electric Power Components and Systems*, Vol. 41, pp. 1248-1263, 2013 (Impact Factor - not found).
  37. P. Thakur, A.K. Singh and R.C.Bansal "A novel way to distinguish single-phase voltage dips through potential gradient," *Electrical power component and systems*, vol. 40, no. 3, pp. 336-347, Jan. 2012 (Impact Factor - not found).

#### IV. Publication in Conferences *International*

1. Bhanu Pratap and Shubhi Purwar "State Observer Based Robust Feedback Linearization Controller for Twin Rotor MIMO System," *IEEE, Multi-conference on Systems and Control (MSC-2012)*, Dubrovnik, Croatia, October 3–5, 2012.
2. S.R Mohanty, Nand Kishor, P. K. Ray and J.P.S. Catalão "Impact of environmental factors on the classification of power quality disturbances in grid-connected wind energy systems," pp. 105-110, *11th IASTED European*

*Conference on Power and Energy Systems, Napoli, Italy, June 25-27, 2012.*

3. S.R Mohanty, Nand Kishor, P. K. Ray and J.P.S. Catalão "Intelligent pattern classification approach to power quality events," pp. 567-572, *IEEE 16th International Conference on Intelligent Engineering Systems*, Lisbon, Portugal, June 13-15, 2012.
4. Shweta Gautam and Rajesh Gupta, "Accurate Derivation of Switching Dynamics for Load Compensation in Non-Stiff Source Distribution System" in *21th IEEE Symposium on Industrial Electronics (ISIE-2012)*, Hangzhou, China, May 28-31, 2012.
5. Shweta Gautam and Rajesh Gupta, "Generalized Hysteresis Current Controller for Three-level Inverter Topologies" in *21th IEEE Symposium on Industrial Electronics (ISIE-2012)*, Hangzhou, China, May 28-31, 2012.
6. Pavan Kumar Mishra, Sanjay Kumar Maurya, Ravindra Kumar Singh and Arun Kumar Mishra "A semi automatic plant identification based on digital leaf and flower Images," *IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012)*, Nagapattan, Tamilnadu, 2012.
7. Sanjay Maurya, Pavan Mishra, Ravindra Singh and Arun Mishra "Image Enhancement by Spline Interpolation and Adaptive Power Spectrum Cut-off," *IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012)*, Nagapattan, Tamilnadu, 2012.
8. Pavan Kumar Mishra, Sanjay Kumar Maurya, Ravindra Kumar Singh and Arun Kumar Mishra "An Intensity Variation based Image Interpolation by Selective Threshold," of *International Conference on Communication Systems and Network Technologies (CSNT-2012)*, Rajkot, Rajasthan, 2012.
9. V. Raviprasad, TulikaShanker and K. S. Ravindra "Power Architectures for Telecommunications – A Review," *International Conference on Advances in Electronics, Electrical and Computer Science Engineering – EEC*, 7-8-9 July, 2012.
10. Arinjoy Biswas, Jawahar Lal Jaiswal and Vineeta Agarwal "A study of Staircase Modulation technique for Single Phase Matrix converter," *IEEE International Conference on Power, Control and Embedded Systems, ICPCES 2012*, Allahabad, India, 2012.
11. Jawahar Lal Jaiswal, Arinjoy Biswas and Vineeta Agarwal "Implementation of Single Phase Matrix Converter as generalized single phase converter, *IEEE International Conference on Power, Control and Embedded Systems, ICPCES*, Allahabad, India, 2012.
12. Preeti Agarwal, Priyanka Sonkar and Vineeta Agarwal "Single Phase to Three Phase Cycloinverter with Space Vector PWM Controller," *IEEE Power Electronics Drives and Energy Systems, PEDES, Bangalore, India, 2012.*
13. Shubham Verma and Vineeta Agarwal "Realization of Fibonacci search algorithm for single phase matrix converter," *IEEE 5<sup>th</sup> India International Conference on Power Electronics, IICPE-2012, Delhi, India, 2012.*
14. Rajendra Pratap, Vineeta Agarwal, and R. K .Singh "SPICE Model development for Sic Power MOSFET," *IEEE Power Electronics Drives and Energy Systems, PEDES, Bangalore, India, 2012.*
15. Rajendra Pratap, R. K. Singh and Vineeta Agarwal "SiC Power MOSFET and Modeling Challenges," *IEEE Student Conference on Engineering and Systems, SCES, Allahabad, India, 2012*
16. Rajasekar S, Rajesh Gupta, Anurag Upadhyay, Puneet Agarwal, Sudhir Kumar and Y. Shasi Kumar "Modified Hill-top Algorithm Based Maximum Power Point Tracking for Solar PV Module," *21<sup>th</sup> IEEE Symposium on Industrial Electronics (ISIE2012)*, May 28-31, 2012.
17. Vinay Kumar Deolia, Shubhi Purwar, and T. N. Sharma "An LMI Approach for the Stabilization of Discrete-Time Delay Nonlinear Systems using Backstepping," *IEEE Conference on Communication System and Network Technologies*, Rajkot, India, May 11-13, 2012.
18. Rajan Kumar, Asit Mohanty, S.R. Mohanty and Nand Kishor "Power Quality Improvement in 3- $\Phi$  Grid Connected Photovoltaic System with Battery Storage," *2012 IEEE International Conference on Power Electronics, Drives and Energy Systems, Bengaluru, India, December 16-19, 2012.*
19. Pradeep Kumar, Asheesh K. Singh and Nitin Singh, "Fuzzy Expert System Based Power Quality Meter Placement," Presented at 15th Intl. Conf. On Harmonics and Power Quality, Hong Kong, 17-22 June 2012.
20. Naresh K. Kummari, Asheesh K. Singh and Pradeep Kumar, "Comparative Evaluation of DSTATCOM Control Algorithms for Load Compensation," Presented at 15th Intl. Conf. On Harmonics and Power Quality, Hong Kong, 17-22 June 2012.
21. Shashi B. Singh and Asheesh K. Singh, "Precise Assessment of Induction Motor Performance Based on NEMA Definition" *IEEE International Conference*

on Power, Energy and Control (ICPEC), 06-08 February 2013, PP. 495-500.

22. Megha Goyal and Rajesh Gupta, "DC link voltage controller based power flow control in distributed microgrid", 5th IEEE Power India Conference, 2012 , 19-22 Dec. 2012, Murthal, India.

23. Shweta Gautam, S. Kundu, P. Basu and Rajesh Gupta, "FPGA implementation of generalized modulation for hybrid multilevel inverter with fixed ratio DC link voltage", IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES), 16-19 Dec. 2012, Bengaluru, India.

24. G. V. E. Satish and Rajesh Gupta, "Sliding mode control of dual-buck full-bridge inverter", IEEE 5th India International Conference on Power Electronics (IICPE2012), 06-08 Dec. 2012, New Delhi, India.

25. Syamnaresh Garlapati and Rajesh Gupta, "Shunt active power filter as front end converter for DC loads", IEEE 5th India International Conference on Power Electronics (IICPE2012), 06-08 Dec. 2012, New Delhi, India.

26. Megha Goyal and Rajesh Gupta, "Operation and Control of a Distributed Microgrid with Hybrid System", IEEE 5th India International Conference on Power Electronics (IICPE2012), 06-08 Dec. 2012, New Delhi, India.

#### National

1. Saloni Mishra, Niraj Kumar Choudhary, Ravindra K. S "Analysis and Comparison of different Control Methods for Switched Inductor Quasi-Z-Source Inverter" Published in *EECS* on 2012, New Delhi, India.

### V. Reviewer For International Journals

Sl. no.	Faculty Name	Journal Name
1	Prof. Vineeta Agrawal	IEEE Transactions on Power Electronics IEEE Transactions on Journal of Education IEEE Transactions on Industrial Electronics IEEE Transactions on Small Grid International Journal of Power Electronics
2	Dr. Nand Kishor	Joined as Editorial Board, Journal of Wind Energy, Hindwai Publisher IEEE Transactions on Sustainable Energy IEEE Transactions on Smart Grid IEEE Sensors Journal IET Renewable Power Generation Journal of Solar Energy, Elsevier Science ASME- Journal of Dynamic Systems, Measurement and Control International Journal of Electrical Power and Energy Systems, Elsevier Science International Journal of Hydrogen Energy, Elsevier Science Applied Soft Computing, Elsevier Science

### VI. Books / Books Chapters Authored.

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	Shashikant Pandey, Soumya R. Mohanty, Nand Kishor, J.P.S Catalão	Technological Innovation for the Internet of Things, Ed. L.M. Camarinha-Matos	An advanced LMI-based-LQR design for load frequency control of an autonomous hybrid generation system	SPRINGER, Heidelberg, Germany



Sl. no.	Faculty Name	Book	Book chapter	Publisher
2.	Singh, R., Singh, A. K., & Arya, R. K. (2012).. In T. Chen (Ed.), Hershey, PA:	Contemporary Theory and Pragmatic Approaches in Fuzzy Computing Utilization (pp. 155-171).	Approximated Simplest Fuzzy Logic Controlled Shunt Active Power Filter for Current Harmonic Mitigation	Information Science Reference. doi:10.4018/978-1-4666-1870-1.ch011

## VII. Coordinator/ Co-Coordinator In “Workshops/ Short-Term Courses/Training Programme.

1. Dr. M.Ventakiesh Naik act as a Coordinator in “*ICPCES-2012 Workshop*” organized during Dec, 2012.

## VIII. Chair (General, Programme,) in Seminar /Conferences.

Sl. no.	Faculty Name	Chair (General, session Programme etc.)	Seminar /conferences	Duration
1.	Mr. Anirudha Narain	Organizing chair	2 <sup>nd</sup> International Conference on Power, Control and Embedded Systems (ICPCES-2012)	17-19, Dec. 2012

## IX. Other Relevant Information

Dr. Nand Kishor worked as Marie Curie Experienced Researcher at Aalto University, Finland from August 2012 to October 2013. During this period, he availed Marie Curie Fellowship from the Project-

REAL-SMART, which is a consortium of academic institutions and industries. The project is funded through scheme- Marie Curie European Union FP7 *Industry Academia Pathways and Partnerships project (IAPP)*.

## 10.8 Department of Electronics & Communication Engineering

The Electronics & Communication Engineering Department offers one Bachelor of Technology (B.Tech) program in Electronics & Communication Engineering and three Master of Technology (M.Tech) in Digital Systems, Microelectronics and VLSI Design, and Communication systems. Further department is also actively involved in research activities leading to Ph.D. program. Besides this, the department

is also recognized by the Govt. of India as QIP (Quality Improvement Program) center for teachers of engineering institution. Under this scheme faculty, members from Engineering Institution are sponsored for M.Tech and Ph.D programs. The Department has highly qualified and competent faculty members in the areas of Digital Signal Processing, Data Communications & Networking, Mobile and Wireless communications, High Speed Networks, Optical Networks and Micro-electronics & VLSI Design.

## I. List of Ph.D Thesis Completed

Sl. no.	Name Student	Thesis title	Supervisor(s)
1	Ajay Singh Raghuwanshi	Fault Analysis and Modelling of Optimally Clustered Wireless Sensor Networks	Prof. R.Tripathi
2	Vidyakant Dwivedi	Performance Evaluation of Wireless OFDM System	Prof. R.Tripathi
3	Manish Tiwari	Linear matrix inequality based criteria for optimal guaranteed cost control of uncertain two- dimensional discrete systems	Prof. Amit Dhawan
4	Rakesh Kumar Singh	Studies of Current Feedback Amplifier based circuits suitable for analog signal processing and VLSI design	Prof. R.K. Nagaria
5	Subodh Wairya	Performance evaluation of high speed low power CMOS full adder circuits for low voltage VLSI design	Prof. R.K. Nagaria
6	Vijaya Bhadauria	Analysis And Design of A Class Of Low Harmonic Tunable Submicron Transconductors	Prof. Krishna Kant and Prof. Swapna Banerjee.
7	Sanjeev Tyagi (Student of IIT, BHU )	Some studies on mid-infrared sources based on narrow bandgap semiconductors	Prof. P. Chakrabarti

## II. List of M.Tech Thesis Completed

Sl. no.	Name Student	Thesis title	Supervisor(s)
1	Ankur Singh	Design and analysis of frequency - divider using clock - gating scheme	Prof. R.Tripathi
2	Anil Babu Pynam	Dynamic papr reduction in multicarrier OFDM communication systems	Prof. R.Tripathi
3	Pulkit Singh	Design and analysis of frequency - divider using clock - gating scheme	Prof. R.Tripathi
4	Anuj Kumar Varhney	FPGA realization of fir filter using distributed arithmetic & efficient pipelined structure	Prof. H.Kar
5	Preeti Pathak	Modification of exponential window and its applications in signal processing	Prof. H.Kar
6	Jyotsna Sahu	Design and Optimization of Triple gate FinFET	Er. Sanjeev Rai
7	Sumit Vyas	Power Delay reduction techniques for Ultra-Low Power Sub-threshold SCL Circuits	Er.Sanjeev Rai
8	Govind Krishna Pal	Design of Low Power High Speed CMOS cell structure based on Adiabatic Switching Principle	Er.Sanjeev Rai
9	Amit Kumar	Four Element Triangular Wide band Dielectric Antenna Exited by a Coaxial Probe	Er.Rajeev Gupta
10	Utkarsh Besaria	Design and Analysis of wide band Triangular Antenna Array Using Two Dielectric Resonator	Er.Rajeev Gupta
11	Yogesh Yadav	Frequency Compensation of Two Stage Op-amp using Triode mode compensation technique	Prof. Vijaya Bhadauria
12	Prateek Jain	Comparison of the frequency Compensation techniques for two stage un-buffered op-amp	Prof. Vijaya Bhadauria

Sl. no.	Name Student	Thesis title	Supervisor(s)
13	Vadhya Bheemudu	Design & Simulation of High-speed & Low-Power Full adder Circuits for Nanoscale Applications	Dr.V. Krishna Rao Kandavli
14	Rammani Kushwaha	Design of CMOS adder cell for low Energy Applications	Dr.V. Krishna Rao Kandavli
15	Ashok Kumar	A Comparison Between Improved Impulse Invariance Method and Bilinear Transformation Method for the design of IIR Digital Filter	Prof. Amit Dhawan
16	Anita Kodap	Single and Double Notch IIR and FIR Filter Design with Narrow Rejection Bandwidth	Prof. Amit Dhawan
17	Ashutosh Kumar	Statistical detector design for spread-spectrum watermarking in wavelet domain	Dr. Basant Kumar
18	Krishna Kumar	Wavelet based region of interest coding for medical images using space frequency quantization	Dr. Basant Kumar
19	Mr.Nand Kishore	Performance evaluation of slotted right angled isosceles triangular patch antenna	Dr. V.S.Tripathi
20	Prashant Ranjan	Inverted z and circular slot patch antenna for wideband applications	Dr. V.S.Tripathi
21	Rajendra Shekhawat	Block based blind image watermarking using significant difference of wavelet coefficient quantization	Prof. V.K.Srivastava
22	Rama K. Palaparthi	A deblocking method for reduction of blocking artifacts in jpeg compressed images	Prof. V.K.Srivastava
23	Sivavenkateswara	A reliable and robust svd based digital image watermarking using particle swarm optimization	Prof. V.K.Srivastava
24	Sachin Kumar Pal	Performance comparison and analysis of various scalable routing protocols for ad-hoc networks	Prof. S.Tiwari
25	Ved Prakash	Performance evaluation of aodv and dsr routing protocols under wormhole attack environment	Prof. S.Tiwari
26	Himanshu Agarwal	Performance evaluation of pulsed orthogonal frequency division multiplexing for additive white gaussian noise channel	Prof. S.Tiwari
27	Sumit Meshram	Cmos analog latched voltage comparator using flipped voltage follower with low energy	Mr. Asim Mukherjee
28	Sudeep Kumar	A dynamic circuit technique for optimization of noise and power	Mr. Asim Mukherjee
29	Vivek Kumar anand	Design of dynamic source follower domino logic for high performance vlsi circuits	Dr. Manish Tiwari
30	Manglesh Kumar	Design and optimization techniques of digital fir filter	Dr. Manish Tiwari
31	Ashish Rawat	design & analysis of low power , high frequency prescalar 2/3 using charge sharing and glitch free d flip flop	Mr. Arvind Kumar
32	Wanjul Dutta Roy	Fringing electric field and optimizations in finfets	Mr. Arvind Kumar
33	Vishant	Design & implementation of hybrid full adder based array multiplier for high performance vlsi applications	Prof. R.K. Nagaria
34	Pushpa Rani	Comparative study of keeper design approach for low power and high speed domino logic circuits	Prof. R.K. Nagaria

Sl. no.	Name Student	Thesis title	Supervisor(s)
35	Prashant Shekhar	Design implementation of cascadable adiabatic logic circuits for low power vlsi applications	Prof. R.K. Nagaria
36	Nayna R	SOI finfet and bulk finfet with bottom spacer for improved short-channel power delay product & thermal performance	Dr. R.A.Mishra
37	Ramanuj Mishra	Device design of bulk finfet for performance improvement in nano-scale regime	Dr. R.A.Mishra
38	Sumandeep Kaur	Leakage Reduction for Dual-Threshold Voltage Footed Domino Circuits in 45 nm CMOS Technology	Dr. R.A.Mishra

### III. Publication in Journals *International*

1. A.B. Yadav, C. Periasamy, P. Chakrabarti and S. Jit, "Hydrogen gas sensing properties of Pd/nanocrystalline ZnO thin film based Schottky contacts at room temperature," *Advanced Science Engineering and Medicine*, vol.5, pp. 112-118, 2013 (Impact Factor - not found).
2. Kumar Shubham and P. Chakrabarti, "Fabrication and Characterization of Pd/TiO<sub>2</sub>/Si MIS diode," *Int. J. Contemporary Research in Engg. and Tech*, vol 8760, 2013 (Impact Factor - not found).
3. Kumar Shubham and P. Chakrabarti, "Effect of annealing on structural, electrical and optical properties of TiO<sub>2</sub> thin film prepared by sol-gel process," *Advanced Science, Engineering and Medicine*, vol.5, pp. 156-160, 2013 (Impact Factor - not found).
4. Shashi Tiwari, A.K. Singh, L. Joshi, P. Chakrabarti, W. Takashima, K. Kaneto and Rajiv Prakash, "Poly-3 hexylthiophene based organic field-effect-transistor: Detection of low concentration ammonia," *Sensors and Actuators B*, vol.171-172, pp. 962-968, 2012 (Impact Factor =3.535).
5. Ghusoon M. Ali and P. Chakrabarti, "Fabrication and characterization of thin film ZnO Schottky contacts based UV photodetectors: A comparative study" *J. Vac. Science & Technology*, vol. B 30, pp. 031206(1-7), 2012 (Impact Factor =1.432).
6. Kumar Shubham and P. Chakrabarti, "Effect of Annealing on the Characteristics of TiO<sub>2</sub> thin film Deposited by Low Temperature Arc Vapour Deposition Process" *Advanced Science, Engineering and Medicine*, vol.4, pp. 241-245, 2012 (Impact Factor - not found).
7. Arun Prakash, Rajesh Verma, Rajeev Tripathi, and Kshirasagar Naik, "A Seamless handover Scheme for Vehicles across Heterogeneous Networks," *International Journal of Communication Networks and Distributed Systems (IJCNDS)*, Inderscience, UK, ISSN: 1754-3924, Vol. 8, Nos. 1/2, pp. 4—23, 2012 (Impact Factor - not found).
8. Ajay Singh Raghuvanshi, S.Tiwari, R. Tripathi, and N. Kishor, "Optimal Number of Clusters in Wireless Sensor Networks: An FCM Approach," *International Journal of Sensor Networks, IJSNet, Inder-Science Publishers*, vol.12, No. 1, pp16-24, July 2012 (Impact Factor - not found).
9. Ashok K. Shankwar, Sachin Sharma, Arun Prakash and Rajeev Tripathi, "Fast Converging Generalized Turbo Decoding Scheme with Enhanced Throughput for Mobile Radio," *Communication and Network, SCIRP, USA*, ISSN: 1949-2421, Vol. 5, Issue 1, pp.9--15, 2013 (Impact Factor - not found).
10. Md. Iftexhar, Ashok K. Shankwar, Arun Prakash, and Rajeev Tripathi, "Performance Evaluation of Adaptive Modulation Based MC-CDMA System," *Wireless Engineering and Technology, SCIRP, USA*, ISSN: 2152-2294, Vol. 4, Issue 1, pp.54--58, 2013 (Impact Factor - not found).
11. Surjeet Singh, Arun Prakash and Rajeev Tripathi, "QoS Bandwidth Estimation Scheme for Delay Sensitive Applications in MANETs," *Communication and Network, SCIRP, USA*, Vol. 5, Issue 1, pp.1-8,2013 (Impact Factor - not found).
12. Arun Prakash, Rajesh Verma, Rajeev Tripathi, and Kshirasagar Naik, "A Seamless handover Scheme for Vehicles across Heterogeneous Networks," *International Journal of Communication Networks and Distributed Systems (IJCNDS)*, Inderscience, UK, Vol. 8, Nos. 1/2, pp. 4-23, 2012 (Impact Factor - not found).
13. H. Kar, "A new criterion for the global asymptotic stability of 2-D state-space digital filters with two's complement overflow arithmetic," *Signal Processing*, vol. 92, no. 9, pp. 2322-2326, Sept. 2012 (Impact Factor - not found).
14. A. Dey and H. Kar, "An LMI based criterion for the global asymptotic stability of 2-D discrete state-delayed systems with saturation nonlinearities," *Digital Signal Processing*, vol. 22, no. 4, pp. 633-639, July 2012 (Impact Factor - not found).

15. P. Kokil, A. Dey and H. Kar, "Stability of 2-D digital filters described by the Roesser model using any combination of quantization and overflow nonlinearities," *Signal Processing*, vol. 92, no. 12, pp. 2874-2880, Dec. 2012 (Impact Factor - not found).
16. A. Dey, P. Kokil, and H. Kar, "Stability of 2-D digital filters described by the Fornasini-Marchesini second model with quantisation and overflow," *IET Signal Processing*, vol. 6, pp. 641-647, Sept. 2012 (Impact Factor - not found).
17. P. Kokil and H. Kar, "An improved criterion for the global asymptotic stability of fixed-point state-space digital filters with saturation arithmetic," *Digital Signal Processing*, vol. 22, no. 6, pp. 1063-67, Dec. 2012 (Impact Factor - not found).
18. R. Negi, H. Kar, and S. Purwar, "Stability analysis of 2D discrete linear system described by the Fornasini-Marchesini second model with actuator saturation," *ISRN Computational Mathematics*, vol. 2012, Article ID 847178, 9 pages, 2012 (Impact Factor - not found).
19. A. Dey and H. Kar, "LMI condition for global asymptotic stability of 2-D discrete uncertain state-delayed systems with generalized overflow nonlinearities," *The Mediterranean Journal of Measurement and Control*, vol. 8, No. 1, pp. 368-374, 2012 (Impact Factor - not found).
20. R. Negi, S. Purwar, and H. Kar, "Delay-dependent stability analysis of discrete time delay systems with actuator saturation," *Intelligent Control and Automation*, vol. 3, pp. 34-43, 2012 (Impact Factor - not found).
21. P. Kokil, V. Krishna Rao Kandavli, and H. Kar, "A note on the criterion for the elimination of overflow oscillations in fixed-point digital filters with saturation arithmetic and external disturbance," *International Journal of Electronics and Communications (AEÜ) (Elsevier)*, vol. 66, no. 9, pp. 780-783, September 2012 (Impact Factor - not found).
22. P. Kokil, V. Krishna Rao Kandavli, and H. Kar, "Delay-dependent LMI condition for global asymptotic stability of discrete-time systems with time-varying delay subject to partial state saturation nonlinearities," *The Mediterranean Journal of Measurement and Control (SoftMotor Ltd, UK)*, vol. 8, no. 4, pp. 467-476, October 2012 (Impact Factor - not found).
23. V. Krishna Rao Kandavli and H. Kar, "A delay-dependent approach to stability of uncertain discrete-time state-delayed systems with generalized overflow nonlinearities," *ISRN Computational Mathematics (Hindawi)* vol. 2012, Article ID 171606, 8 pages, 2012 (Impact Factor - not found).
24. M. Tiwari and A. Dhawan, "Comment on "Robust guaranteed cost control for a class of two-dimensional discrete systems with shift-delays"," *Multidimensional Systems and Signal Processing*, vol. 23, Issue 3, pp. 415-419, Sep. 2012 (Impact Factor = 0.857).
25. M. Tiwari and A. Dhawan, "An LMI approach to optimal guaranteed cost control of uncertain 2-D discrete shift-delayed systems via memory state feedback," *Circuit Systems and Signal Processing*, vol. 31, Issue 5, pp. 1745-1764, Oct. 2012 (Impact Factor = 0.982).
26. Paramanand Sharma and A. Dhawan, "Robust Non-fragile control of 2-D discrete uncertain systems: An LMI Approach" *Journal of Signal and Information Processing*, vol. 3, No. 3, pp. 377-381, Aug. 2012 (Impact Factor - not found).
27. A. Dhawan, "Non-fragile controller design for 2-D discrete uncertain systems described by the Roesser model" *Journal of Signal and Information Processing*, vol. 3, No. 2, pp. 248-251, May 2012 (Impact Factor - not found).
28. M. Tiwari and A. Dhawan, "Robust suboptimal guaranteed cost control for 2-D discrete systems described by Fornasini-Marchesini first model," *Journal of Signal and Information Processing*, vol. 3, No. 2, pp. 252-258, May 2012 (Impact Factor - not found).
29. Y.Prajapati, J. P. Saini, D.S.Chauhan and Vivek Singh, "Analytical solution of the scalar wave equation for slightly deformed optical Bragg waveguide" *International Journal of Russian Laser physics*, Volume 34, Number 2, Springer publication, March, 2013 (Impact Factor = 0.746).
30. P. Karuppanan and Kamala Kanta Mahapatra "Erratum to "PI and fuzzy logic controllers for shunt active power filter—A report" [ISA Transactions 51, 163-169] *ISA Transactions*, Vol.51, No.5, pp.667-671, Sept-2012 (Impact Factor - not found).
31. S. L. Tripathi, Ramanuj Mishra, V. Narendar, and R. A. Mishra "Optimization of pie-gate Bulk FinFET structure" *International Journal of Computer Applications*, vol. 59, No.2, December 2012 (Impact Factor = 0.821).
32. V. Narendar, Ramanuj Mishra, Sanjeev Rai, Nayana R, Suman Lata Tripathi and R. A. Mishra "Threshold Voltage Control Schemes In Finfets" *International Journal of VLSI Design & Communication Systems (VLSICS) AIRCC*, Vol.3, No.2, April 2012 (Impact Factor =1.0).
33. Sanjeev Rai, Jyotsna Sahu, Wanjul Dattatrey, Ram Awadh Mishra & Sudarshan Tiwari, "Modelling, Design & Performance Comparison of Triple Gate Cylindrical and Partially Cylindrical Fin-FET's for Low Power Applications", *Journal of ISRN Electronics, Hindawi Publishing Corporatio*, Vol. 2012, 2012 (Impact Factor = 1.094).

34. Sanjeev Rai, Ram Awadh Mishra & Sudarshan Tiwari, "Leakage Reduction Using DTSC and Current Mirror SCL Logic Structures For LP-LV Circuits", *Journal of Circuits & Systems, Scientific Research, SCIRP Journals*, Vol. 4 Number 1, pp. 23-3, 2013 (Impact Factor = 0.29).
35. Sanjeev Rai, Govind Krishna Pal, Ram Awadh Mishra & Sudarshan Tiwari, "Design & Analysis of A Charge Recycle Based Novel LPHS Adiabatic Logic Circuits For Low Power Applications", *International Journal of VLSI Design and Communication Systems (VLSICS)* Vol.3, No.5, Page 123-136, October 2012 (Impact Factor =1.0).
36. Sanjeev Rai, Ram Awadh Mishra & Sudarshan Tiwari, "A Fringing-Capacitance Model for Accurate Description of Surface Potential of n-MOSFETs with high-k Gate Dielectric", *Canadian Journal of Electrical & Electronics Engineering* Vol. 3, No.7, pp. 398-402, September 2012 (Impact Factor = 0.33).
37. Shipra Upadhyay, R. K. Nagaria, and R.A.Mishra," Complementary Energy Path Adiabatic Logic based Full Adder Circuit", *Journal of World Academy of Science, Engineering & Technology (WASET)*, vol. 66 , pp. 161-166, June 2012 (Impact Factor =1.109).
38. A. K. Pandey, R. A. Mishra and R. K. Nagaria, "Low power dynamic buffer circuits", *International Journal of VLSI design and Communication Systems (VLSICS)*, vol. 3, no. 5, pp. 53-65, October 2012 (Impact Factor =1.0).
39. A. K. Pandey, V. Mishra, R. A. Mishra , R. K. Nagaria and V. K. Rao, "Conditional precharge dynamic buffer circuit", *International Journal of Computer Applications*, Vol. 60, No. 6, pp. 45-52, December 2012 (Impact Factor =1.0).
40. A. K. Pandey, R. A. Mishra and R. K. Nagaria, "Leakage power analysis of domino XOR gate", *ISRN Electronics*, Vol. 2013, pp.1-7, 2013 (Impact Factor =1.094).
41. A. K. Pandey, V.Mishra, R. A. Mishra ,R. K. Nagaria and V.K.Rao, " Design of a low power domino buffer circuit", *The Mediterranean Journal of Electronics and Communication*, vol.9, no.1, pp.485-493, January 2013 (Impact Factor =0.11).
42. Shipra Upadhyay, R.A. Mishra, R.K. Nagaria and S.P. Singh, "DFAL: Diode Free Adiabatic Logic Circuits", *International Scholarly Research Network: ISRN Electronics, Hindawi Publishing Corporation*, vol. 2013, pp 1-12, 2013 (Impact Factor =1.094).
43. Subodh Wairya, Rajendra Kumar Nagaria and Sudarshan Tiwari, "Performance Analysis of High Speed Hybrid CMOS Full Adder Circuits for Low Voltage VLSI Design", *VLSI Design*, vol. 2012, pp. 1-18, 2012 (Impact Factor =2.118).
44. Subodh Wairya, Rajendra Kumar Nagaria and Sudarshan Tiwari, "Comparative Performance Analysis of XOR-XNOR Function based High-Speed CMOS Full Adder Circuits for Low Voltage VLSI Design", *International Journal of VLSI design and Communication Systems (VLSICS)*, vol. 3, no. 2, pp. 221-242, April 2012 (Impact Factor =1.0).
45. Pankaj Kumar Sharma and R.K.Nagaria, "An SLM based PAPR Reduction Method using New Volterra Predistorter Model in the OFDM System", *WSEAS Trans. on Communications*, vol. 11, Issue 10, pp. 367-374, October 2012 (Impact Factor = 0.924).
46. Shweta Tripathi and S. Jit, "Analytical Modeling of the Current (I)-Voltage (V) Characteristics of Sub-Micron Gate-Length Ion-Implanted GaAs MESFETs under Dark and Illuminated Conditions," *IET Circuits, Devices & Systems*, vol. 7, Issue-1, pp. 42 -50, 2013 (Impact Factor =1.017).

#### IV. Publication in Conferences *International*

1. A. K. Shankhwar, A. Prakash and R. Tripathi, "Study and Performance of Adaptive Modulation for Wireless Fading Channel," Proceedings of *International Conference on Electronics, Communication and Instrumentation*, ICECI-2012, pp. 400-405, Jhansi, India, 6-7 April, 2012 .
2. S. L. Tripathi, Ramanuj Mishra, V. Narendar, and R. A. Mishra "High performance Bulk FinFET with Bottom Spacer" 2013 *IEEE International Conference on Electronics, Computing, Communication Technologies (CONECT)*, Bangalore, Karnataka, India, 17-19 January 2013.
3. V. Narendar, Sanjeev Rai, S. L. Tripathi, R. A. Mishra and A.K.Singh "Performance evaluation of underlap double-gate and double-metal gate FinFET device for nanoscale applications" *International Conference on Emerging Trends in Electrical, Electronics and Communication Technologies-ICECIT*, 2012, Anantapur, Andhra Pradesh, India. 21-23 December 2012.
4. Sanjeev Rai and Sumit Vyas, "Implementation of Power-Delay Product Reduction Techniques for Ultra-Low-Power Sub-threshold SCL Circuits", 2nd IEEE, *International Conference on Power,Control and Embedded Systems (ICPES-2012)*, MNNIT, Allahabad, U.P, India. 17-19 Dec, 2012.
5. Yogesh Yadav & Vijaya Bhadauria, "Frequency Compensation of Two Stage Op-Amp Using Triode Mode Compensation Stage" in *International Conference on Communication, Circuits and Systems (iC3S-2012)*, School of Electronics Engineering, KIIT University, Bhubaneswar Odisha, India, October 5-7, 2012.

6. Shankar Narayan and Vijaya Bhadauria, "Linearity Improvement of Double Differential Pair CMOS OTA Using Quasi Floating Gate Technique" in *2nd International Conference on Power, Control and Embedded Systems (ICPES-2012)*, at MNNIT, Allahabad, U.P, India. 17-19 Dec, 2012.
7. A. K. Pandey, S. Kaur, R. A. Mishra and R. K. Nagaria, "Leakage power reduction for domino circuits in 45 nm CMOS technologies", *International Conference on Power, Control & Embedded Systems (ICPES 2012)*, pp.1-5, MNNIT,Allahabad, 17-19, December 2012.\
8. Shipra Upadhyay, R.A. Mishra and R.K. Nagaria, "Comparative Performance of Irreversible Adiabatic Logic Circuits for Low Power VLSI Design", *International Conference on Innovations and Advancements in Information and Communication Technology (ICIAICT-2012)*, vol. 3, pp. 379-386, GBU, Greater Noida, 2012.
9. Shipra Upadhyay, Prashant Shekhar, R. K. Nagaria and R.A. Mishra, "Mos Diode Based Adiabatic Logic Circuits", *International Symposium on standards in Engineering and technology (ISSET-2012)*, pp. 54-55, IEEE student branch, DTU, Delhi, 2012.
10. Shaivalini Singh and P. Chakrabarti, "Fabrication and Characterization of High Mobility Spin-Coated Zinc Oxide Thin Film Transistors," *Proc. SPIE*, vol.8459, 2012.

## V. Reviewer for International Journals

Sl. no.	Faculty Name	Journal Name
1	Prof. H. Kar	IEEE Trans. On Circuits & System II Automatica (Elsivier) Digital Signal Processing (Elsivier) Signal Processing (Elsivier) Circuits, Systems and Signal Processing (Springer)
2	Prof. R. K. Nagaria	Integration the VLSI Journal, Elsevier WSEAS Trans. on Circuits and Systems IEEE Communications Letters
3	Dr. Shweta Tripathi	Superlattices and Microstructures, Elsevier, USA.
4	Dr. Vijaya Bhadauria	International journal of Electronics, Taylar & Francis
5	Dr A. Dhawan	Automatica Circuits, Systems, & Signal Processing IEEE Signal Processing Letters
6	Dr. Y.K.Prajapati	Progress In Electromagnetic Research (PIER), USA

## VI. Invited Lectures Organized

1. A lecture is delivered by Prof. Swapna Banerjee, Head Electronics & Electrical Communication Engineering Department, IIT Kharagpur on 25th February 2013 under SMDP Project, entitled "Embedded systems for Biomedical Instrumentation".
2. P. Chakrabarti, "ZnO: A Prospective Semiconducting Material for Electronic and Optoelectronic Applications," Invited Talk delivered at National Workshop on Advanced Functional Materials and Structures organized by the Applied Mechanics Department, MNNIT, India in collaboration with the University of Missouri, Colombia, USA during July 12-14, 2012 and published in the Proc. AFMS-2012, pp.8-9, 2012.
3. P. Chakrabarti, "An Expedition from Micro- to Nanoelectronics" Invited Talk delivered at summer training program on VLSI Design and Embedded Systems held at MNNIT, Allahabad during June 12-July 14, 2012.

## VII. Coordinator/ Co-Coordinator in “Workshops/ Short-Term Courses/ Training Programme.

1. Prof. Vijaya bhadauria act as a Coordinator in summer training programme on “VLSI design and Embedded Systems” organized during 12 June-14 July 2012.
2. Dr. Basant Kumar act as a Co Coordinator in summer training programme on “VLSI design and Embedded Systems” organized during 12 June-14 July 2012.
3. Prof. H. Kar act as Program Chair for “2012 2nd International Conference on Power, Control and Embedded Systems (ICPCEs 2012)” held at MNNIT, Allahabad during 17-12-2012 to 19-12-2012.
4. Dr.V. Krishna Rao Kandavli, act as treasurer for “2012 2nd International Conference on Power, Control and

Embedded Systems (ICPCEs 2012)” held at MNNIT, Allahabad during 17-12-2012 to 19-12-2012.

## VIII. Other Relevant Information

1. Prof. H. Kar is a member of Editorial Board of Journal of Engineering (Hindawi Publishing Corporation).
2. Dr. Shweta Tripathi is Editorial board member of International Journal of Emerging Trends in Electrical and Electronics (ISSN 2320-9569)(February,2013)
3. Dr.V. Krishna Rao Kandavli, Listed in Marquis Who’s Who in the World, 30th Pearl Anniversary Edition, USA.
4. Dr. A. Dhawan, listed in Marquis’s Who’s Who in the World, USA.

## 10.9 Department of Humanities and Social Sciences

Department of Humanities and Social Sciences is successfully running its courses since the beginning of the Institute. The Department has organized many short term courses and

workshops for the integrated personality development of engineering students. Post Graduate course “Master of Social Work” from the academic year 2008-09 has been started.

### I. List of Ph.D Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor
1.	Vijeta Gautam	Metamorphosis of Female Protagonists in Margaret Atwood’s Novels	Dr. Jyotsna Sinha
2.	Rajlaxmi Srivastava	The measures of Stress and Identifying Coping Strategies with Special Reference to Pharmaceutical Marketing Personnel’.	Dr. Ambalika Sinha
3.	Shaista Irshad	Gendered Spaces: Women in the Novels of Margaret Atwood	Prof. Niroj Banerji& Prof. Rashmi Gaur
4.	Sangeeta Varshney	A Study of Cohesion Errors at Discourse level in Written English	Prof. Niroj Banerji

### II. Publication in Journals *International*

1. Dr Jyotsna Sinha and Vijeta Gautam , “Role of Nature in Self-Exploration in Margaret Atwood’s Surfacing” vol. 2, issue no.: 4 *International Journal of Scientific and Research Publications* pp.202-204 April- 2012 (Impact Factor = 0.69).
2. Ambalika Sinha and Shakti Mehrotra , *International Journal of Scientific and Research Publications* Vol 2,issue 9, September(2012),pg.1-4 (Impact Factor = 0.69).
3. Ambalika Sinha, Parent Child Counselling: A study of Child Developmental Behaviour. *Asian Journal of*



Multidimensional Research (AJMR) Vol.1, Issue 7, December 2012 (Impact Factor - not found).

4. Prof. Niroj Banerji and Shaista Irshad ,Gender as a Social Construct in Margaret Atwood’s Oryx and Crake, “Academic Research International” Vol.2 Number 2 April 2012 (Impact Factor = 0.389).

#### National

1. Prof. Niroj Banerji and Shaista Irshad ,“The Impact of Translations of the Bhagawad Geeta” The Vedic Path” Vol. 86, No.1& 2,pg 12-19 July- Sep.2012.

### III. Publication in Conferences *International*

1. Dr. Ambalika Sinha, “An Assessment of Impact of Academic and Personal Stressors on Undergraduate Students” 5th International Congress of Environmental Research, Journal of Environmental Research and Development. Terengganu,Malaysia, 22-24 Nov, 2012.
2. Ambalika Sinha and Sarika Yadav, “A Comparative Study on Performance of Small Scale Industries (With special reference to Wood and Rubber industries in Uttar Pradesh)” International Conference on Infrastructural Finance *University of Petroleum and*

*Energy Studies (UPES) Dehradun*, 15-16 February 2013.

3. Ambalika Sinha and Sarika Yadav , “Development of Women Entrepreneurship through Micro Finance and SHG Bank Linkage Model (with special reference to Utter Pradesh) Frontiers of infrastructural finance National Conference On Micro Finance, *IIT, Kharagpur, West Bengal* December, 2012.

#### National

1. Dr Jyotsna Sinha and Vijeta Gautam, “Quest for Identity in the Novels of Bharati Mukherjee. *Contemporary Social Realities in Indian English Fiction of Post 1980’s*” Deptt. of Humanities, Manav Rachana International University, Faridabad 19th May, 2012.
2. Ambalika Sinha and Sarika Yadav, “A study of effectiveness of firms in changing policy environment with special reference to small scale industries in Uttar Pradesh and Assam,” National Conference on emerging challenges for sustainable business *IIT, Roorkee, India* June 1-2.(2012).
3. Ambalika Sinha and Sarika Yadav, “Global Economic Meltdown:Prospects and challenges” National Conference United Institute of management, Allahabad 13<sup>th</sup> April 2012.

### IV. Reviewer of International Journals

Sl. no.	Faculty Name	Journal Name
1.	Dr. Jyotsna Sinha	Reviewer of IJSSH (International Journal of Social Science & Humanity

### V. Books / Books Chapters Authored

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	Dr Jyotsna Sinha & Viejta Gautam	Frontiers in Environmental Research	“Environment and Literature: Eco-feminism in Margaret Atwood’s Surfacing”	Academic Excellence
2.	Dr Jyotsna Sinha & Vijeta Gautam	Urban Catharsis: The Psycho-Moral Cleansing Effects of Literature in English, ISBN: 978-81-909732-6-7, Pg.No. 215-218	“Food as a Metaphor of Inner Conflict in Margaret Atwood’s The Edible Woman ( conference proceedings)	Picheswar Gadde Neb Sarai New Delhi
3.	Dr. Ambalika Sinha	Strategic Framework of Infrastructure Financing	Development of Women Entrepreneurship through Micro Finance and SHG Bank Linkage Model (with special reference to Utter Pradesh)”	IIT Karagpur, Dec, 2012

## VI. Invited Lectures Delivered

1. Dr Jyotsna Sinha, was invited to deliver a lecture titled "Reconnecting with Nature: Ecology in Atwood's Fiction," in the 5th International Congress of Environmental Research at University Malaysia Terengganu (UMT) Malaysia on 23rd November 2012.

## VII. Other Relevant Information.

1. Dr Jyotsna Sinha, acted as a Co-coordinator in Hindi divas workshop at SMS in MNNIT, organized during September 2012.
2. Dr Jyotsna Sinha is a member of National Advisory Committee for Frontiers in Environmental Research.

## 10.10 Department of Mathematics

The department of mathematics came into existence w.e.f., 1st April, 2003, prior to this it constituted a section of the Department of Applied Mathematics, Applied sciences & Humanities.

The department offers core courses at undergraduate level and several advanced courses at post graduate level. The department also enrolls candidates for Ph.D programme.

There is a wide spread interaction between mathematics department and various engineering departments in the field of teaching and research.

The department of Mathematics started full time M.Sc. in Mathematics & Scientific Computing program since 2008. This two year programme offers an exciting opportunity to students who are interested in Mathematics and who wish to pursue courses for industry, research and teaching.

### I. List of Ph.D Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1.	Yogesh Gupta	Numerical Algorithm Based on B-Spline for Solving Singular and Singularly Perturbed Boundary Value Problems Arising in Science and Engineering.	Dr. Manoj Kumar
2.	Parul	Mathematical Modeling and Numerical Simulation of Perturbation Problems Arising in Science and Engineering.	Dr. Manoj Kumar
3.	Pitam Singh	A study on fuzzy multiobjective fractional programming problems and their applications.	Prof Shiv Datt Kumar & Prof R.K. Singh (EED)
4.	Navneet Kumar Ojha	A Study of RSA type Cryptosystem and its Weak Keys.	Dr Sahadeo Padhye

### II. Publication in Journals *International*

1. Shiv Datt Kumar & Ratnesh Kumar Mishra, "Lifting of generators of ideals to Laurent polynomial ring, Beitr Algebra Geom/ Contributions to Algebra and Geometry (Springer Publication)," Volume 54, Issue 1, pages 147-153, ISSN 0138-4821 March 2013 (Impact Factor - not found).
2. Sumit Kumar Upadhyay & Shiv Datt Kumar, "Existence of a unique group of finite order, the Mathematics Student," Vol 81, Nos. 1-4, 2012, pages 1-4, IMS publication (Impact Factor - not found).
3. Priti Singh and Shiv Datt Kumar, "A note on joint reduction of an ideal over local ring," International Mathematical Forum, Vol 7, No. 4 (2012), pp. 183-188 (Impact Factor - not found).
4. J. P. Vishwakarma and G. Nath, "Similarity solution for a cylindrical shock wave in a rotational axisymmetric dusty gas with heat conduction and radiation heat flux," Commun Nonlinear Sci Numer Simulat, Elsevier Science, vol. 17, pp. 154-169, 2012 (Impact Factor = 2.81).
5. J. P. Vishwakarma and G. Nath, "Spherical shock wave generated by a moving piston in mixture of a non-ideal gas and small solid particles under a gravitational field," Commun Nonlinear Sci Numer Simulat Elsevier Science, vol. 17, pp. 2382-2393, 2012 (Impact Factor = 2.81).
6. G. Nath, "Self-similar flow of a rotating dusty gas behind the shock wave with increasing energy, conduction and radiation heat flux," Advances in Space Research, Elsevier Science, vol. 49, pp. 108-120, 2012 (Impact Factor = 1.178).

7. G. Nath, "Self-similar solution of cylindrical shock wave propagation in a rotational axisymmetric mixture of a non-ideal gas and small solid particles," *Meccanica*, Springer vol. 47, pp. 1797-1814, 2012 (Impact Factor =1.75).
8. J. P. Vishwakarma and G. Nath, "Magnetogasdynamic shock waves in a rotating gas with exponentially varying density," *ISRN Mathematical Physics*, Volume 2012, Article ID 168315, 11pages, 2012 (Impact Factor - not found).
9. G. Nath, "Propagation of a cylindrical shock wave in a rotational axisymmetric isothermal flow of a non-ideal gas in magnetogasdynamics," *Ain Shams Eng. J.*, Elsevier Science, vol 3, pp. 393-401, 2012 (Impact Factor - not found).
10. G. Nath, "Self-similar solution for unsteady flow behind an exponential shock in an axisymmetric rotating dusty gas," *Shock Waves*, Springer, Set. 2012 (Impact Factor = 0.6).
11. G. Nath, J. P. Vishwakarma, V.K. Srivastava and A. K. Sinha, "Propagation of magneto gas dynamic shock waves in a self-gravitating gas with exponentially varying density," *J. Theoretical and Applied Physics*, Springer, vol. 7, no.15, 2013 (Impact Factor - not found).
12. Manoj Kumar and Akanksha Srivastava, "An Elementary Introduction to Recently Developed Computational Methods for Solving Singularly Perturbed Partial Differential Equations Arising in Science and Engineering," *International Journal of Computational Methods in Engineering Science and Mechanics*, Taylor & Francis, vol 14, pp.45–60, 2013 (Impact Factor - not found).
13. Manoj Kumar and Parul, "Mathematical Modelling and Numerical Simulation of Child Swing Motion," *National Academy Science Letters*, Springer Journal (Impact Factor = 0.67).
14. Pankaj Kumar Srivastava and Manoj Kumar, "Numerical Algorithm Based on Quintic Nonpolynomial Spline for Solving Third-Order Boundary value Problems Associated with Draining and Coating Flow," *Chinese Annals of Mathematics*, Springer Journal, Series B vol. 33, no.6, pp. 831-840, 2012 (Impact Factor = 0.504).
15. Manoj Kumar and Surabhi Tiwari, "An Initial Value Technique to Solve Third-Order Reaction Diffusion Singularly Perturbed Boundary Value Problems," *International Journal of Computer Mathematics*, Taylor & Francis Journal, 2012, pp. 1–8 (Impact Factor - not found).
16. Manoj Kumar, Akanksha Srivastava and Akhilesh Kumar Singh, "Numerical Simulation of Singularly Perturbed Non-Linear Elliptic Boundary Value Problems using Finite Element Method," *Applied Mathematics and computation*, Elsevier Journal, vol. 219 (2012), pp. 226-236 (Impact Factor =1.454).
17. Manoj Kumar and Neelima Singh, "Phase Plane Analysis and Travelling Wave Solution of Third Order Non-linear Singular Problems Arising in Thin Film Evolution," *An International Journal Computers and Mathematics with Applications*, Elsevier Journal vol. 64 (2012), pp. 2886-2895 (Impact Factor =2.069).
18. Manoj Kumar and Pratibha Joshi, "A Mathematical Model and Numerical Solution of a one Dimensional Steady State Heat Conduction Problem by Using Higher Order Immersed Interface Method on Non-uniform Mesh," *International Journal of Nonlinear Science*, World Academic Union Journal Vol.14 No.1, (2012), pp.11-22 (Impact Factor - not found).
19. Archana Chauhan, Jaydev Dabas and Mukesh Kumar, "Integral boundary-value problem for impulsive fractional functional differential equations with infinite delay" *Electronic Journal of Differential Equations*. Vol. 2012 No. 229, pp. 1-13. 2012 (Impact Factor - not found).
20. Pramod Kumar Yadav, "Slow Motion of a Porous Cylindrical Shell in a concentric cylindrical cavity," *Meccanica (An International Journal of Theoretical and Applied Mechanics AIMETA)*, Online published, 2013 (Impact Factor - not found).
21. Pramod Kumar Yadav, Tiwari, A, Deo, S, Yadav, M.K., Filippov, A., Vasin, S.I. and Sherysheva, E., "Hydrodynamic permeability of Biporous Medium (Membrane), *Colloid J.*, vol. 75 , NO. 4, PP. 1-10, 2013 (IMPACT FACTOR = 0.625).
22. Pramod Kumar Yadav and Satya Deo, "Stokes flow past an approximate porous spheroid embedded in another porous medium," *Meccanica (An International Journal of Theoretical and Applied Mechanics AIMETA)*, vol. 47, pp. 1499–1516, 2012 (Impact Factor - not found).
23. Debiao He, Sahadeo Padhye and Jianhua Chen, "An Efficient Certificate Less Two Party Authenticated Key agreement Protocol" *Computer and Mathematics with Application (Science Direct Publication)*, vol. 64, no. 6, pp. 1914-1926, (2012) (Impact Factor =1.532).
24. Namita Tiwari and Sahadeo Padhye, "Analysis on the Generalization of Proxy Signature, Security and Communication Network; *Wiley Publication*, Vol. 6, pp. 549-556, 2013 (Impact Factor = 0.414).
25. Namita Tiwari, Sahadeo Padhye and Debiao He, "Efficient ID-based Multi Proxy Multi Signature without

- Bilinear Maps in ROM,” *Annals of Telicommunication*, Springer Publication, Vol.68 Issue 3-4, pp. 231-137 (2013) (Impact Factor = 0.633).
26. Sahadeo Padhye and Namita Tiwari, “ECDLP based Certificate-less Proxy Signature scheme with Message Recovery,” *Transactions on Emerging Telecommunications Technologies*, Wiley Publication, Nov. 2012 (Impact Factor = 0.454).
  27. Surabhi Tiwari, “Ultrafilter completeness in  $\varepsilon$ -approach nearness spaces,” *Mathematics in Computer Science*, Springer Journal, vol. 7, no. 1, pp. 107-111, 2013 (Impact Factor - not found).
  28. Mona Khare and Surabhi Tiwari, “Completion in a common supercategory of MET, UAP, WSAP and NEAR,” *Demonstratio Mathematica*, vol. 46, no. 1, pp. 209-227, 2013 (Impact Factor - not found).
  29. James F. Peters, Surabhi Tiwari and Rashmi Singh, “Approach merotopies and associated near sets,” *Theory and Applications of Mathematics and Computer Science*, vol. 3, no. 1, pp. 1-12, 2013 (Impact Factor - not found).
  30. Manoj Kumar and Surabhi Tiwari, “An initial value technique to solve third-order reaction diffusion singularly perturbed boundary value problem,” *International Journal of Computer Mathematics*, vol. 89, no. 17, 2012, Taylor & Francis Journal, pp. 2345-2352 (Impact Factor - not found).
  31. James F. Peters and Surabhi Tiwari, “Completing extended metric spaces: an alternative approach,” *Applied Mathematics Letters*, Elsevier Journal, vol. 25, 2012, pp. 1544-1547 (Impact Factor = 1.501).
  32. Mona Khare and Surabhi Tiwari, “L-approach merotopies and their categorical perspective,” *Demonstratio Mathematica*, vol. 45, no. 3, 2012, pp.699-716 (Impact Factor - not found).
  33. V Ramachandra Prasad, B. Vasu and O. Anwar Beg, “Thermo-Diffusion and Diffusion-Thermo Effects on Free Convection Flow past a Horizontal Circular Cylinder in a non-Darcy Porous Medium,” *Journal of Porous Media*, Vol. 16, no. 4, pp. 315-334, 2013 (Impact Factor = 0.707).
  34. B. Vasu, V. R. Prasad and O. Anwar Bég, “Thermo-Diffusion and Diffusion-Thermo Effects on MHD Free Convective Heat and Mass Transfer from a Sphere Embedded in a Non-Darcian Porous Medium,” *Journal of Thermodynamics* 2012 (Impact Factor - not found).
  35. C. Sudhakar, B. Vasu, V. Ramachandra Prasad and N. Bhaskar Reddy, “Effect Of Thermophoresis Partical Deposition In Unsteady Free Convection Heat And Mass Transfer In A Walters-B Fluid Past A Radiate Semi Infinite Vertical Plate With Heat Sink, Source,” *Mathematical Sciences International Research Journal*, Vol 1, Issue 4, 2013 (Impact Factor - not found).
  36. V R Prasad, A SubbaRao, N Bhaskar Reddy, B Vasu and O Anwar Beg, “Modelling Laminar Transport Phenomena in a Casson Rheological Fluid from a Horizontal Circular Cylinder with Partial Slip”, *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, pp. 1-18, 2012 (Impact Factor = 0.305).
  37. C. Sudhakar, N. Bhaskar Reddy, B. Vasu and V. Ramachandra Prasad, “Thermophoresis Effect on Unsteady Free Convection Heat and Mass Transfer in a Walters-B Fluid Past a Semi Infinite Plate”, *International Journal of Engineering Research and Applications*, Vol. 2 (5), pp.2080-2095, September- October 2012 (Impact Factor - not found).
  38. V. Ramachandra Prasad, B. Vasu, U. Rajeswara Rao and G. Viswanath, “Radiation Effects on Unsteady Free convection with Mass Transfer In a Walters-B Viscoelastic Flow Past a Semi-infinite Vertical Plate,” *International journal of Mathematics and Applications* Vol. 5, No 2, 2012 (Impact Factor - not found).
  39. U. Rajeswara Rao, V. Ramachandra Prasad, G. Viswanath and B. Vasu, “Radiation Effects on Unsteady Free Convection Heat and Mass Transfer in a Walters-B Viscoelastic Flow Past an Impulsively started Vertical Plate,” *International Journal of Scientific & Engineering Research*, Vol. 3 no.8, 2012 (Impact Factor - not found).
  40. Pitam Singh and D.Dutta, “Sum of linear ratio multiobjective programming problem: a fuzzy goal programming approach,” *Nonlinear Dynamics and System Theory*, vol.12, no.3, pp.289-302, (2012) (Impact Factor - not found).

### III. Publication in Conferences *International*

1. G. Nath, “Similarity solution for unsteady isothermal flow behind a magnetogasdynamic shock wave in a gravitating gas with increasing energy and variable density, WASET,” 61, pp. 1081-1089, 2012, Conference Proceeding.
2. G. Nath, “Self-similar solution of cylindrical shock wave propagation in a rotational axisymmetric mixture of a non-ideal gas and small solid particles,” *ISMAMS*, 22-23 Feb. 2013.

3. Manoj Kumar, Ahkilesh Kumar Singh and Akanksha Srivastava, "Higher order Newton type method for solving nonlinear equations," International Conference on Eco-friendly Computing and Communication Systems (ICECCS)," 9-11 August 2012 organized by RSET at Kochi, Kerala, India.
4. G. Nath, "Self-similar flow behind a spherical shock wave in a non-ideal dusty gas under the gravitational field: isothermal flow" 39<sup>th</sup> COSPAR Scientific Assembly, 14-22 July 2012, Mysore, India.
5. Mukesh Kumar and Rajkumar, "On new solutions of Burger equation" 32<sup>nd</sup> annual Southeastern-Atlantic Regional Conference on Differential Equations (SEARCDE), Wake Forest University, Winston-Salem, NC, USA on Oct 19-20, 2012.

#### National

1. Manoj Kumar, Neha Yadav, "Buckling Analysis of Beam Column using Multilayer Perceptron Neural Network

- Technique," National Conference on Mathematics of Soft Computing," 5-7 July 2012, Department of Mathematics, National Institute of Technology, Calicut.
2. Mukesh Kumar and Amit Kumar, "A weakly non-linear thermal instability analysis" National conference on Advances in Mathematical Sciences (AMS-2012), MNNIT Allahabad on Oct 5-7, 2012.
3. Dr Pramod Yadav, "Slow Motion of a porous cylindrical shell in a concentric cylindrical cavity," National Conference on Advances in Mathematical Sciences (AMS 2012), Oct. 5-7, 2012, Department of Mathematics, MNNIT Allahabad.
4. B. Vasu, "Thermo-Diffusion and Diffusion-Thermo effects on Free Convection Flow past a Semi-Infinite Vertical Plate in The Presence of Suction and Injection", 10<sup>th</sup> National Conference on Mathematical Science for the Advanced of Science and Technology, February 23-24, 2013, Gorakhpur.

#### IV. Books / Books chapters authored during 1st April 2012 to 31st March 2013.

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1.	V Ramachandra Prasad, B. Vasu and O. Anwar Beg	Walters-B Viscoelastic Flow Past a Vertical Plate		Lambert Academic Publishing, Germany, ISBN 978-3-659-21838-5
2.	J. P. Vishwakarma and G. Nath	Advances in Engineering Research Volume 2 Editor: Victoria M. Petrova PP. 539-580,	Cylindrical shock wave generated by a piston moving in a non-uniform self-gravitating rotational axisymmetric gas in the presence of conduction and radiation heat-flux	Nova Publisher in March 2012, USA, ISBN#978-1-61324-709-9
3.	Sahadeo Padhye and Namita Tiwari	Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (LNICST) Vol. 115, pp. 682-688	Improved proxy signature scheme without bilinear pairings	Springer, Verlag, ISBN-9781936968718

## V. Invited Lectures Delivered.

1. Dr. Manoj Kumar delivered a talk on “Scientific Computing” in “International Conference on Eco-friendly Computing and Communication Systems (ICECCS)” organized by RSET at Kochi, Kerala, India during August 9-11, 2012.
2. Dr. Manoj Kumar delivered a talk on “Fifth order Newton type iterative method for solving non-linear equations” in National Conference on Frontiers in Analysis and Differential Equations (NCFADE)” at Bharathidasan University, Tiruchirappalli during December 19-20, 2012.
3. Dr. Manoj Kumar delivered a series of three lectures in short term course on “Numerical Methods for Science & Engineering” organized by department of Mathematics, Maulana Azad National Institute of Technology Bhopal (M.P) during March 21-22, 2013.
4. Dr. Shiv Datt Kumar delivered an invited talk on “Applications of Mathematics and Cryptography” as a resource person in a training programme/workshop of HRD Ministry, Hindi Shabdawali Ayog, at Karm Kshetra P.G.College, Etawa on February 27, 2013.
5. Dr. Shiv Datt Kumar delivered an invited talk on “The coisotropic variety of Weyl algebra” in the national conference on Recent Advances in Mathematics”, at Rani Durgavati University, Jabalpur on January 14, 2013.
6. Dr. Shiv Datt Kumar delivered an invited talk on “Projective modules and unimodular rows” in the national conference on OO Analysis and its applications”, at National Institute of Technology, Srinagar (J&K) during November 19-20, 2012.
7. Dr. Shiv Datt Kumar delivered two invited talks on “Boundary value problems over an Integro-Differential Algebra” and “Cryptosystem based on platform group of amalgamated free products of braid group and Thompson group” in an International conference on Application of Computer Algebra”, at Sofia, Bulgaria during June 25-28, 2012.
8. Dr. Gorakh Nath delivered a lecture on cylindrical shock wave in a rotational axisymmetric mixture of a non-ideal gas and small solid particles, at Shock wave laboratory IISc, Bangalore, on July 14, 2012.
9. Dr. Gorakh Nath delivered a lecture on: “Similarity methods and its applications” in national conference organized by ISMAMS, Gorakhpur, during February 22-23, 2013.
10. Dr. Mukesh Kumar delivered an invited talk on “Similarity Transformation Methods” at National Workshop on Application of Mathematics in different fields of Science held at Govt. Nagarjuna P.G. College of Science Raipur during October 12 -14, 2012.
11. Dr. Mukesh Kumar delivered an invited talk on “Similarity transformations method for non- linear partial differential equations” in National Conference on “Mathematical Modelling and Application in Science and Engineering” held at NIT Patna during March 9-10, 2013.
12. Dr. Sahadeo Padhye delivered two invited talks on “Scope of Basic Science” and “Cryptography for Children” in the INSPIRE Internship Summer Camp-I (Funded by DST), Pt Ravishankar Shukla University, Raipur Chhattisgarh during May-29- June 2, 2012.
13. Dr. Sahadeo Padhye delivered an invited talk on “Number Theory for Secure Communication” in the National Workshop on “Application of Mathematics in Different Fields of Science” at Govt. N.P.G. College of Science, Raipur (Chhattisgarh) during October 12-14, 2012.
14. Dr. Sahadeo Padhye delivered an invited talk on “Classical Cryptosystem” in the “National Workshop on Different Aspect of Mathematics” at KCB Govt. P.G. College, Bhilai Sector-3, Chhattisgarh on December 21, 2012.

## VI. Act as a Coordinator/ Co-Coordinator in “Workshops/ Short-Term Courses/ Training Programme Name”.

1. Dr. Shiv Datt Kumar act as a convener, Dr. Sahadeo Padhye and Dr. Pitam Singh as Organizing Secretaries and Dr. Mukesh Kumar as Treasurer in National Conference on “Advances in Mathematical Science”, (AMS-12), organized during 05<sup>th</sup> October 2012 to 07<sup>th</sup> October 2012.
2. Dr Pramod Kumar Yadav acts as a Coordinator in a short-term course on “Fundamental of Fluid Mechanics and Application” at National Institute of Technology, Patna, on 10<sup>th</sup> -11<sup>th</sup> November, 2012.
3. Dr Pramod Kumar Yadav acts as a Convener in National Conference on “Mathematical Modelling and application in Science & Engineering” at National

Institute of Technology, Patna, on 09<sup>th</sup> -10<sup>th</sup> March, 2013.

## VII. Conferences & Seminars Attended

### International

1. Shiv Datt Kumar participated and gave two invited talks on “Boundary value problems over an Integro-Differential Algebra” and “Cryptosystem based on platform group of amalgamated free products of braid group and Thompson group” in an International conference on Application of Computer Algebra”, at Sofia, Bulgaria during June 25-28, 2012.
2. Dr Mukesh Kumar participated 32<sup>nd</sup> annual Southeastern-Atlantic Regional Conference on Differential Equations (SEARCDE) held at Wake Forest University, Winston-Salem, NC, USA on Oct 19-20, 2012.

### National

1. Dr. Shiv Datt Kumar participated and delivered an invited talk on “Projective modules and unimodular rows” in the National conference on “Analysis and its applications”, at National Institute of Technology, Srinagar (J&K) during November 19-20, 2012.
2. Dr. Shiv Datt Kumar participated and presented research paper “On the Number of Generators of Projective Modules” In the National Conference of Ramanujan Mathematical Society at Shiv Nadar University, New Delhi, during October 20-22, 2012.
3. Dr. Gorakh Nath Participated National Workshop on History of Mathematics at IISc, Sponsored by IASc, Bangalore, 20 June 2012 to June 21, 2012.
4. Dr. Gorakh Nath Participated A half day Symposium on “Bridging the Gap between Earth and Life Sciences” at IISc, Bangalore on 12 July 2012, Sponsored by IASc, Bangalore.
5. Dr. Gorakh Nath Participated Mid-year meeting of scientific lectures at IISc, Bangalore, 13 July 2012 to 14 July 2012, Sponsored by IASc, Bangalore.
6. Dr. G Nath Participated Workshop on Mathematical Methods & Astronomy (WMMA 2013), Feb.07-09, 2013 Organized by: Department of Applied Mathematics, ISM, Dhanbad, Sponsored by IUCAA, Pune (India)

7. Dr. Manoj Kumar participated International Conference on Eco-friendly Computing and Communication Systems (ICECCS) during 9-11 August 2012 organized by RSET at Kochi, Kerala, India.
8. Dr. Manoj Kumar participated 27<sup>th</sup> Annual Conference of Ramanujan Mathematical Society organized by Shiv Nadar University at Delhi during October 20-23, 2012.
9. Dr. Manoj Kumar participated National Conference on Frontiers in Analysis and Differential Equations (NCFADE)” during December 19-20, 2012 at Bharathidasan University, Tiruchirappalli.
10. Dr. Mukesh Kumar participated National conference on Advances in Mathematical Sciences (AMS-2012) held at MNNIT Allahabad on Oct 5-7, 2012
11. Dr. Sahadeo Padhye participated National Instructional Workshop on Cryptology, June 21-23, 2012. Manipal University, Jaipur.
12. Dr. Pramod Kumar Yadav attended “International Conference in The Legacy of Srinivasa Ramanujan” at the Department of Mathematics, University of Delhi (December 17-22, 2012).
13. Dr. B Vasu attended 10<sup>th</sup> National Conference on Mathematical Science for the Advanced of Science and Technology, February 23-24, 2013, at Gorakhpur.

## Viii. Other Relevant Information.

1. Dr. Shiv Datt Kumar honored by the United Group of Institution for distinguished services in the academic world on May 25, 2012 at United Campus Allahabad in Edushine 2012.
2. Dr. Shiv Datt Kumar was invited as a Judge in the Chhattisgarh Young Scientists Congress 2013 held at Govt. Nagarjuna P. G. College of Science, Raipur during Feb 28- March 01, 2013.
3. Dr. Gorakh Nath selected for Summer Research Fellowship for faculty 2012 by Indian Academy of Sciences, Bangalore (Two months) to work with Prof. G. Jadeesh, IISc, Bangalore.
4. Dr. Shiv Datt Kumar has been selected as a member of Editorial Board of the International Journal of Engineering and Applied Sciences since January 2013.

## 10.11 Department of Mechanical Engineering

Department of Mechanical Engineering is one of the oldest and the largest department in terms of faculty, students and activities in various directions in MNNIT, Allahabad. The department offers B.Tech. M.Tech. and Ph.D programs with a wide choice of specializations, electives and research area. The department offers two Bachelor of Technology programs in the area of Mechanical Engineering and Production and Industrial Engineering.

The department is running four Master of Technology programs in Mechanical Engineering with the specialization areas of Computer Aided Design and Manufacturing, Design Engineering Production Engineering, and Product Design and Development. M Tech. in the specialization area of Thermal Engineering will start in the next academic session.

Strength of the department lies in its Ph.D. program around 64 Ph.D has already been awarded and more than 40 students are registered in Ph.D. program at present. More than 10 students are admitted for Ph.D. program every year. Department is recognized as a Quality Improvement Program (QIP) Center in Mechanical Engineering.

The department is having highly qualified and experienced faculty in all the streams of Mechanical engineering have 28 faculties are having Ph.D. degree. Major fields of research in the department are Fracture mechanics, Rapid prototyping, computational heat transfer, supply chain management, advance manufacturing process, CAD/CAM/CIM, robotics and Mechatronics, knowledge management, operation management, energy management, polymers, coatings, tribology, composites and nanocomposites, Modal Analysis, Fault Diagnosis solar energy molecular Dynamics simulation.

### I. List of Ph.D Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1	Amit Sharma	Modelling and Optimization Studies of Nd:YAG Laser Beam Straight and Profile Cutting of Difficult to Cut Thin Sheet Materials	Prof. Vinod Yadava
2	Audhesh Narayan	Thermal Finite Element Analysis and Optimization of Deep Surface Grinding Processes	Prof. Vinod Yadava
3	Manish Gupta	A Study On Some Aspects Of E- Procurement In Indian Organisations	Prof. Rakesh Narain
4	Amit Raj Singh	Risk Mitigation Through Network Design in Supply Chain	Prof. P.K. Mishra
5	Apurv Anand	Study of Select Issues in Knowledge Management Practices in Small and Medium Enterprises in India	Prof. M. D. Singh
6	Shivedayal Pandey	Modelling and Energy Loss Reduction in a Plate Head Exchanger With Nan fluid as Coolant.	Prof. V.K. Nema

### II. List of M.Tech Thesis Completed

Sl. no.	Name of Student	Thesis title	Supervisor(s)
1	Dharmendra Choudhary	Conversion of Unorganized of Free From Surfaces	Er.Vandana Agarwal
2	Gaurav Pant	Nature of Variation of Interphase Properties in Polymer Nanocomposites	Dr.R.K.Patel
3	Swati Sachan	Dynamic Analysis of Active Magnetic Bearings	Dr. P.K.Agarwal



Sl. no.	Name of Student	Thesis title	Supervisor(s)
4	Praveen Jhanwar	Numerical Study of Effect of Die Parameters and Back Pressure in Equal Channel Angular Pressing (ECAP)	Dr.K.N.Pandey
5	Sunil Kumar Sharma	Zero Energy Building Design	Dr. Ravi Prakash
6	Jain Anshul Ashok	Component Sizing and performance evaluation of a Turbofan Engine at its Design Condition	Prof. V.K. Nema
7	Mohit Jain	Optimization Design of Active Magnetic Bearings	Dr.P.K.Agarwal
8	Adarsh Choudhary	Modeling and Analysis of Piezoelectric Sensor with Energy Harvesting In Matlab Simulink Environment	Dr. Rajeev Srivastava
9	Mayank Chouksey	Construction of Triangulated Model for Unorganized Data Points	Er. Vandana Agrawal
10	Bhavsar Pritesh Prakash	Impact Analysis on Composite Structure made of Ceramic and Dyneema	Dr. K.N. Pandey
11	Preeti Tiwari	Measure of Value of Information Sharing in an Inventory System in a Supply Chain	Prof.P.K.Mishra
12	Santosh Kumar	Role of HVOF Sprayed coating of WC-CO-CR, NiCrSiB on slurry erosion wear of AISI 304 & 316 Substrates	Dr.S.B.Mishra
13	Ramniwas Singh	An Integrated Model of Entrepreneurial Intentions of Indian Engineering Management Students	Dr. S.K.Poddar
14	Parameshwararao Vemuloori	A Novel PI control Strategy to Control Turbocharged Diesel Engine	Dr. Samer Saraswati
15	Ajay Kumar Gautam	Selection of Welding Parameters of Gas Metal Arc Welding For better penetration using Taguchi Approach	Dr.M.K.Khurana
16	Saurabh Kumar	Investigations on Slip Resistance of Floorings and Abrasive Wear Behaviour of Aluminum Alloys	Dr. H.S.Goyal
17	Vivek Kumar Singh	Modeling & Simulation of Condenser For Multicomponent Vapor Mixture	Dr.M.Siraj Alam
18	Balaji PS	Three Dimensional Thermal Finite Element Simulation of Electro-Discharge	Prof. Vinod Yadava
19	Punit Kumar Dubey	Modeling and Parameter Study Of Performance Of Plate Type Heat Exchanger	Prof. R.K.Srivastava
20	Tarun Gupta	Study of Combined Vapor Absorption & Compression Refrigeration System	Dr.Ravi Prakash
21	Abhijit Roy	Agent Based Simulation of Multiple-Load Automated guided Vehicle system	Dr.Venkateswara Rao Komma
22	Abhishek Rajwanshi	Thermodynamics analysis and sizing of the engine component of a Ramjet Aircraft engine	Dr.V.K.Nema
23	Abid Hussain	Modeling of Residual Stresses and Warpage in Fibre Reinforcement Polymer in Autoclave Process	Dr. D.K.Shukla
24	Ashutosh Prajapati	Optimal Heating for Combined Power and Cooling Cycle	Dr. Ravi Prakash

Sl. no.	Name of Student	Thesis title	Supervisor(s)
25	Vastuti Rao Gautam	Design Optimization of Recuperator for microturbine	Er.Vandana Agarwal
26	Harish Kumar Sharma	Theory of Planned Behavior as Applicable to Entrepreneurship by Indian Engineering and Management Students	Dr. S.K.Poddar
27	Subhash Patel	Modeling and Simulation of Stationary Concentric Heat Pipe	Dr. V.R. Komma
28	Vineet Kumar	Fatigue Life Estimation of Epoxy Alumina Polymer Nanocomposite	Dr. D.K. Shukla
29	Udit Goyal	Molecular Dynamics Simulation of Polymer Nanocomposites	Dr. R.K. Patel
30	Ananthakrishna K	CFD Analysis of Fluid Flow Inside A Pent –Roof Combustion Chamber With Different Inlet Valve Profiles	Dr.Samir Saraswati
31	Manikandan M	CFD Analysis of Fluid Flow Inside A Pent –Roof Combustion Chamber With Different Piston Shapes	Dr.Samir Saraswati
32	Aazad Hussain.A	Investigation on Solid Particle Erosion Behavior of Some Steels	Dr.H.S.Goyal
33	Anish Kumar	Analytical and Numerical study of Thermal Failure of Thermal Barrier Coatings	Dr.K.N.Pandey
34	Heerendra Singh	Design Optimization of Foundation of Cantilever Structures Based on Live Structures	Prof. A.D.Bhatt
35	Khushboo Agarwal	Some investigation on Stress Concentration in heterogeneous objects	Prof. A.D.Bhatt
36	Rahul Agrahari	“An ISM approach to some aspects of Mobile Commerce”	Er. Manish Gupta
37	Vinay Kumar sahu	Oxidation and Corrosion performance of Superalloy and Thermal spray coatings	Dr.S.B.Mishra
38	Sanjay Kumar	Modeling and Optimization of Laser Trepan Drilling of difficults – to-laser –cut Materials	Dr.A.K.Dubey
39	Dharam Pal Singh	Finite Element Modeling and Optimization of Higher Efficiency Deep Surface Grinding For Temperature And Metal Removal Rate	Er.Audesh Narayan
40	Ram Rakesh singh	Modeling and Optimization of Creep Feed Surface Grinding For Temperature and MRR	Er.Audesh Narayan
41	Girish Gupta	Mitigation of risk in Supply Chain Management	Prof.P.K Mishra
42	Inayatullah	Role of Buyer-Supplier Relationship and Trust in Organizational performance	Prof.Rakesh Narayan
43	Kamendra singh	Optimization Of Supply Chain Scheduling with Dual Delivery Modes and Inventory Storage Cost	Prof.P.K.Mishra
44	Dinesh Kumar	Mechanical Properties Characterization of CNT Reinforced Polymer Composites Using Materials Studio and Dynamic Mechanical Analyser	Dr. S. B. Mishra

Sl. no.	Name of Student	Thesis title	Supervisor(s)
45	Manoj Kumar	Attitude of Indian Engineering And Management Students	Dr.S.K.Poddar
46	Sunkavalli Venkata Viswanadh	Development and Experimental Study of Milling Electrochemical Spark Micromaching	Prof.Vinod Yadava
47	Arvind Kumar Chaudhary	Intelligent Modeling and optimization of Laser cutting process	Dr.A.K.Dubey
48	Ashish srivastava	Parameter optiw mization and ANN modeling of Electric Discharge Diamond Grinding	Dr.A.K.Dubey
49	Neha	Knowledge Sharing Barriers An Interpretive Structural Modling Approach	Prof. M.D. Singh
50	Vishal Sharma	Evaluation of Barriers to E-procurement in Indian Manufacturing Industry	Dr.M.K.Khurana
51	Promod Kumar Yadav	Modeling of Specific Energy Requirment in deep	Er.Audesh Narayan
52	Alok Kumar	Modeling the Knowledge Sharing Barriers of ISM and AHP	Prof. M.D. Singh
53	Varun Chabra	Fracture Behavior of Viscoelsatic Material	Dr.R.K.Patel
54	Pankaj Sonia	Synthesis and Characterization of Fracture Property of Epoxy Alumina Nanocomposites	Dr. D.K. Shukla
55	Anshul Kumar Panchbhaiya	Driver Fatigue- Vehicle characteristics- Investigations & Suggestions	Dr. H S Goyal
56	Narendra Kumar	Optimization of Cutting tool temperature and tool wear with its Experimental Validation	Dr. Rajeev Srivastava

### III. Publication in Journals *International*

1. Abhijeet Kumar, Rajeev Srivastava, "Modeling and Simulation of a Micropump Chip using Dielectric Elastomer, International Journal of Engineering, Science and Innovative Technology, Vol.2 Issue 2, March 2013 (Impact Factor - not found).
2. Manish Dixit, Rajeev Srivastava, Modeling and Analysis of Check Valve Micro pump with Piezoelectrically Actuated Diaphragm, International Journal of Engineering ,Science and Innovative Technology, Vol.2 Issue 2, March 2013 (Impact Factor - not found).
3. Brijesh Singh, Rakesh Narain and R. C. Yadav "Adoption of advanced manufacturing technologies in micro, small and medium enterprises of India", Int. J. Indian Culture and Business Management, Vol.7, No. 1, pp. 24-52, 2013 (Impact Factor - not found).
4. Manish Gupta and Rakesh Narain, "Investigation into barriers to adoption of E-Procurement and measures of performance", International Journal of Procurement Management (IJPM), Vol. 5, No. 5, pp. 567-607, 2012 (Impact Factor - not found).
5. Shukla D. K. and Hussain A., "Finite element modeling of process induced stresses and warpage in fiber reinforced polymer composite in autoclave process", Int. J. of Mech. Engg. & Res., 3(5), 14-17, 2013. (Impact Factor - not found)
6. Verma V. and Shukla D. K., "Effect on micro hardness of epoxy reinforced with rod shaped nano alumina", Int. J. of Mech. Engg. & Res., 3(5), 367-370, 2013 (Impact Factor - not found).
7. Gyanendra Kumar Singh, Vinod Yadava and Raghuvir Kumar, "Robust parameter design and multi-objective optimization of electro-discharge diamond face grinding of HSS," International Journal of Machining and Machinability of Materials, Vol. 11, No. 1, pp. 1-19 (2012) (Impact Factor - not found).
8. Mohan Charan Panda and Vinod Yadava, "Intelligent Modeling and Multi-Objective Optimization of Die Sinking Electro-Chemical Spark Machining Process," Materials and Manufacturing Processes, Vol. 27, No. 1, pp. 10-25 (2012) (Impact Factor - not found).

9. Gyanendra Kumar Singh, Vinod Yadava and Raghuvir Kumar, "Study of the parameters in electro-discharge diamond face grinding through response surface methodology approach," *Applied Mechanics and Materials*, Trans Tech Publications, Switzerland, Vol. 110-116, pp 847-855 (2012) (Impact Factor - not found).
10. Audhesh Narayan and Vinod Yadava, "Investigation of Temperature Distribution in the Workpiece During High Speed Deep Surface Grinding using FEM," *International Journal of Manufacturing, Materials, and Mechanical Engineering*, Vol. 2, No. 3, pp. 16-33 (2012) (Impact Factor =1.032).
11. Audhesh Narayan and Vinod Yadava, "Thermal Stress Distribution in the Workpiece during Creep-Feed Surface Grinding," *International Journal of Abrasive Technology*, Vol. 5, No. 2, pp. 128-151(2012) (Impact Factor - not found).
12. Sanjay Mishra and Vinod Yadava, "Prediction of Hole Radius and Material Removal Rate due to Single Pulse Laser Beam Drilling using Finite Element Method," *Journal of Engineering and Technology Education*, 6 pp. 39-43 (2012) (Impact Factor - not found).
13. Gyanendra Kumar Singh, Vinod Yadava and Raghuvir Kumar, "Modeling and optimization of electro-discharge diamond face grinding of cemented carbide-cobalt composite," *International Journal of Industrial and Systems Engineering*, Vol.12, No.2, pp. 141-164 (2012) (Impact Factor - not found).
14. Basant Kumar Bhuyan and Vinod Yadava, "Experimental Investigations of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) of Borosilicate Glass," *Asian Review of Mechanical Engineering-An International Peer Reviewed Journal on Mechanical Engineering*, Vol. 1, No. 2, pp. 24-29 (2012) (Impact Factor - not found).
15. Rajesh Porwal and Vinod Yadava, "ANN Modeling for the prediction of material removal rate and machined hole overcut in hole drilling electro-discharge micro machining," *International Journal of Mechanical Engineering and Robotics Research*, Vol. 1, No. 2, pp. 174-189 (2012) (Impact Factor - not found).
16. Rajesh Porwal, Vinod Yadava and J Ramkumar, "Artificial Neural Network Modeling and Multi Objective Optimization of Hole Drilling Electro-Discharge Micro Machining of Invar," *International Journal of Mechatronics and Manufacturing Systems*, Vol. 5, No. 5/6, pp. 470-494 (2012) (Impact Factor - not found).
17. Shyam Sunder and Vinod Yadava, "Multi-Objective Optimization of the Electro-Discharge Diamond Surface Grinding Process," *Asian Review of Mechanical Engineering-An International Peer Reviewed Journal on Mechanical Engineering*, Vol. 1, No. 2, pp. 45-50 (2012) (Impact Factor - not found).
18. Basanta Kumar Bhuyan and Vinod Yadava, "Development of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) Setup," *Journal of Engineering & Technology Education*, Vol. 6, pp. 28-33 (2012) (Impact Factor - not found).
19. Ravindra Nath Yadava, Vinod Yadava and Gyanendra Kumar Singh, "Application of ANN-NSGA-II Hybrid Methodology for Modeling and Optimization of Electrical Discharge Diamond Face Grinding of Tungsten Carbide-Cobalt (WC-Co) Composite," *International Journal of Machining and Forming Technologies*, Vol. 4, Issue 3-4, pp. 187-206 (2012) (Impact Factor - not found).
20. R. N. Yadav, Vinod Yadava and G. K. Singh, "Intelligent Modeling of Electro-Discharge Diamond Face Grinding (EDDFG)," *International Journal of Surface Engineering and Materials Technology*, Vol. 2, No. 2, pp. 24-28 (2012) Impact Factor - not found).
21. Sanjeev Kumar Singh Yadav and Vinod Yadava, "Simultaneous Optimization of Multiple Quality Characteristics in Electrical Discharge Diamond Cut-off Grinding," *Applied Mechanics and Materials*, Trans Tech Publications, Switzerland, Vol. 110-116, pp 250-257 (2012) (Impact Factor - not found).
22. Amit Sharma and Vinod Yadava, "Modeling and Optimization of Cut Quality during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Straight Profile," *Optics and Laser Technology*, Vol. 44, No. 1, pp. 159-168 (2012) (Impact Factor - not found).
23. Amit Sharma and Vinod Yadava, "Modelling and Optimization of Pulsed Nd: YAG Laser Cutting for Average Kerf Taper and Surface Roughness during Straight Cutting of Ni-based Super alloy Thin Sheet," *International Journal of Machining and Machinability of Materials*, Vol. 11, No. 3, pp. 223-243 (2012) (Impact Factor - not found).
24. Audhesh Narayan and Vinod Yadava, "Investigation of Temperature Distribution in the Workpiece during Creep-Feed Surface Grinding using FEM," *Materials and Manufacturing Processes*, Vol. 27, Issue-10, pp. 1101-1109 (2012) (Impact Factor - not found).
25. Shyam Sunder and Vinod Yadava, "Development, Experimental Investigation and Modeling of Surface-Electrical Discharge Diamond Grinding of Al-SiC Metal Matrix Composite," *International Journal of Abrasive Technology*, Vol 5, No. 3, pp. 223-244 (2012) (Impact Factor - not found).

26. K.B. Judal and Vinod Yadava, "Experimental Investigations into Cylindrical Electro-Chemical Magnetic Abrasive Machining of AISI-420 Magnetic Stainless Steel," *International Journal of Abrasive Technology*, Vol. 5, No. 4, pp. 315-331 (2012) (Impact Factor - not found).
27. Amit Sharma and Vinod Yadava, "Modeling and Optimization of Cut Quality during Pulsed Nd: YAG Laser Cutting of Thin Al-alloy Sheet for Curved Profile," *Optics and Lasers in Engineering*, Vol. 5, No. 1(1), pp. 77-88 (2013) (Impact Factor - not found).
28. Rajesh Kumar Porwal, Vinod Yadava and J. Ramkumar, "Optimization of Process Parameters in the Hole Drilling Electrical Discharge Micromachining of Titanium based Super Alloy Thin Sheet," *Journal of Machining and Forming Technology*, Vol. 5, No. 1/2 (2013) (Impact Factor - not found).
29. K.B. Judal and Vinod Yadava, "Electrochemical Magnetic Abrasive Machining of AISI-304 Stainless Steel Tubes," *International Journal of Precision Engineering and Manufacturing*, Vol. 14, No. 1, pp. 37-43(2013) (Impact Factor - not found).
30. Sanjay Mishra and Vinod Yadava, "Modeling and Optimization of Laser Beam Percussion Drilling of Nickel-based Super alloy Sheet using Nd:YAG Laser," *Optics and Lasers in Engineering*, Vol. 51, Issue 6, pp. 681-695 (2013) (Impact Factor - not found).
31. Rajesh Kumar Porwal, Vinod Yadava and J. Ramkumar, "Modeling and Optimization of Hole Drilling Electrical Discharge Micromachining Process of Ti-6Al-4V Thin Sheet," *International Journal of Precision Technology*, Vol. 3, No. 2, pp. 183-205 (2013) (Impact Factor - not found).
32. Shyam Sunder and Vinod Yadava, "Modeling and Prediction of Material Removal Rate and Surface Roughness in Surface-Electrical Discharge Diamond Grinding Process of Metal Matrix Composites," *Materials and Manufacturing Processes*, Vol. 28, Issue 4, pp. 381-389 (2013) (Impact Factor - not found).
33. K.B. Judal and Vinod Yadava, "Cylindrical Electrochemical Magnetic Abrasive Machining of AISI-304 Stainless Steel," *Materials and Manufacturing Processes*, Vol. 28, Issue 4, pp. 449-456 (2013) (Impact Factor - not found).
34. V. R. Komma, P. K. Jain, and N. K. Mehta, "Ontology development and agent communication in agent-based simulation of AGVS", *International Journal of Simulation Modeling (IJSIMM)*, Vol. 11, No. 4, pages. 173-184, (2012) (Impact Factor =1.66).
35. A. Ahsan , M. Imteaz, R. Dev, H.A. Arafat, "Numerical models of solar distillation device: Present and previous" *Desalination* 311 pp.173-181, (2013) (Impact Factor =3.041).
36. Arun Kumar Pandey and Avanish Kumar Dubey, "Neuro Fuzzy Modeling of Laser Beam Cutting Process," *Applied Mechanics and Materials* pp. 110-116 (2012) (Impact Factor =0.125).
37. Arun Kumar Pandey and Avanish Kumar Dubey, "Simultaneous optimization of multiple quality characteristics in laser cutting of Titanium alloy sheet, *Optics and Laser Technology*," vol. 44, pp.1858-1865, 2012 (Impact Factor =1.265).
38. Arun Kumar Pandey and Avanish Kumar Dubey, "Taguchi based fuzzy logic optimization of multiple quality characteristics in laser cutting of Duralumin sheet," *Optics and Lasers in Engineering*, vol. 50, pp. 328-335, 2012 (Impact Factor =1.916).
39. Avanish Kumar Dubey, Gavendra Norkey and Sanat Agrawal, "Parametric study of laser cutting of difficult-to-laser-cut material, *International Journal of Mechatronics and Manufacturing Systems*," vol. 5 , no. 3/4, pp. 179-188, 2012 (Impact Factor =0.216).
40. Arun Kumar Pandey and Avanish Kumar Dubey, "Multiple quality optimization in laser cutting of difficult-to-laser-cut material using grey-fuzzy methodology," *International Journal of Advanced Manufacturing Technology*, vol. 65, pp. 421-43, 2012 (Impact Factor =1.205).
41. A.K. Sahoo, S. Pradhan & A.K. Rout, " Development and machinability assessment in turning Al/SiC-metal matrix composites with multi layer coated carbide insert using Taguchi and statistical techniques," *Archives of Civil and Mechanical Engineering*, vol. 13, pp. 27-35, 2013 (Impact Factor - not found).
42. Shukla D. K. and Hussain A., "Finite element modeling of process induced stresses and warpage in fiber reinforced polymer composite in autoclave process", *Int. J. of Mech. Engg. & Res.*, vol. 3, no. 5, pp.14-17, 2013 (Impact Factor - not found).
43. Verma V. and Shukla D. K., "Effect on micro hardness of epoxy reinforced with rod shaped nano alumina", *Int. J. of Mech. Engg. & Res.*, vol. 3, no. 5, pp. 367-370, 2013 (Impact Factor = 1.828).
44. S.B. Mishra, K. Chandra, S. Prakash, "Erosion-corrosion performance of NiCrAlY coating produced by plasma

spray process in a coal-fired thermal power plant," Surface and Coatings Technology, Vol. 216, pp. 23-34, 2013 (Impact Factor - not found).

45. Aazad Hussain, Sunil B Wesley, H S Goyal, A P Harsha, "Investigations on solid particle erosion behavior of ferritic steels, austenitic steel and low carbon steel and correlation of erosion data with erosion model" Proceedings of the Institution of Mechanical Engineers, Part J, Journal of Engineering Tribology, Volume 227 Issue 3, March 2013 (Impact Factor = 0.631).

#### National

1. Inayatullah, R. Narain, and Amar Singh, "Role of Buyer-Supplier Relationship and Trust in Organizational Performance", Journal of Delhi Business Review, Vol. 13, No. 2, July-December 2012, pp. 73-82.
2. Sanjay Mishra and Vinod Yadava, "Prediction of Hole Radius and Material Removal Rate due to Single Pulse Laser Beam Drilling using Finite Element Method," Journal of Engineering and Technology Education, Vol. 6, pp. 39-43, 2012.
3. Basanta Kumar Bhuyan and Vinod Yadava, "Development of Traveling Wire Electro-Chemical Spark Machining (TW-ECSM) Setup". Journal of Engineering & Technology Education, Vol. 6, pp. 28-33, 2012.

#### IV. Publication in Conferences *International*

1. K.B. Judal and Vinod Yadava, "A Study in Electrochemical Magnetic Abrasive Machining, Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 363-368, 2012.
2. Varun Chhabra and R. K. Patel, "Effect of Discontinuities on the Fracture Behavior of Viscoelastic Materials," International Conference on Innovative Technologies in Mechanical Engineering, KIET Ghaziabad, Aug 24-25, 2012.
3. Shyam Sunder and Vinod Yadava, "Multi-Response Optimization of Electrical Discharge Diamond Surface Grinding of Al-10wt.%SiC Composite Using Weighted Principal Component and Fuzzy Logic," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 605-610, 2012.

4. S.K.S. Yadav and Vinod Yadava, "Comparative Study of Electrical Discharge Cut-off Grinding and Electrical Discharge Diamond Cut-off Grinding of Ti-alloy," Proceedings of the International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) JU Kolkata, Vol. 1, pp. 601-604, 2012.
5. D. K. Pathak, Vinod Yadava and K. B. Judal, "Effect of Abrasive Particle Size During Magnetic Abrasive Machining of Aluminium Tube," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 374-378, 2012.
6. Ravindra Nath Yadav and Vinod Yadava, "A New Way of Abrasive Hybrid Machining using Slotted Wheel," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 369-373, 2012.
7. Rajesh Kumar Porwal and Vinod Yadava, "Artificial neural network modeling of hole drilling electro discharge micromachining," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 80, 2012.
8. Ravindra Nath Yadav, Vinod Yadava and G. K. Singh, "Modeling of Spark Assisted Diamond Face Grinding of Tungsten Carbide- Cobalt Composite," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, Vol. 1, pp. 379-383, 2012.
9. Audhesh Narayan and Vinod Yadava, "Thermal Stress Prediction within the Contact Surface during High Speed Deep Surface Grinding," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 59, 2012.
10. Balaji P S and Vinod Yadava, "Three Dimensional Thermal Modeling of Electro-Discharge Diamond Grinding," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 61, 2012.
11. K. B. Judal, Vinod Yadava and Lokesh Mishra, "Development and Experimental Study of Plane Electrolytic Magnetic Abrasive Finishing," Proceedings

- of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 55, 2012.
12. Basanta Kumar Bhuyan and Vinod Yadava, "Effect of Supply Voltage and Electrolyte Concentration on Material Removal Rate due to Traveling Wire Electro-Chemical Spark Machining Process," Proceedings of International All India Manufacturing Technology, Design and Research Conference (AIMTDR-2012) at JU Kolkata, pp. 58, 2012.
  13. Ravindra Nath Yadav and Vinod Yadava, "Recent Trends on Hybrid Electrical Discharge Machining: An Overview," Proceedings of the International Conference on Agile Manufacturing (ICAM-2012) IIT (BHU) Varanasi, pp. 386-390, 2012.
  14. Sanjeev Kumar Singh Yadav and Vinod Yadava, "ANN Modeling of Electrical Discharge Diamond Cut-Off Grinding (EDDCG) of Ti-Alloy," Proceedings of the International Conference on Agile Manufacturing (ICAM-2012) IIT (BHU) Varanasi, pp. 312-314, 2012.
  15. Basanta Kumar Bhuyan and Vinod Yadava, "Machining Characteristics of Borosilicate Glass using Travelling Wire Electro-Chemical Spark Machining (TW-ESCM) Process," Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2012), YMCA University of Science and Technology Faridabad, pp. 571-578, 2012.
  16. Ravindra Nath Yadav and Vinod Yadava, "Electrical Discharge Grinding (EDG): A Review," Proceedings of the National Conference on Trends and Advances in Mechanical Engineering (TAME-2012), YMCA University of Science and Technology Faridabad, pp. 590-597, 2012.
  17. Shyam Sunder and Vinod Yadava, "Multi-objective Optimization of the Electrical Discharge Diamond Surface Grinding Process," Proceedings of International Conference on Advancement and Future Trends in Mechanical and Materials Engineering (AFTMME-2012), PTU Kapurthala, pp. 463-469, 2012.
  18. Basanta Kumar Bhuyan and Vinod Yadava, "Experimental Investigations of Traveling Wire Electro-Chemical Spark Machining of Borosilicate Glass," Proceedings of International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (AFTMME-2012), PTU Kapurthala, pp. 404-409, 2012.
  19. S.K.S Yadav and Vinod Yadava, "Modeling and experimental study of electrical discharge diamond Cut-off grinding (EDDCG) of cemented carbide," Proceedings of International Conference (MATADOR-12) at University of Manchester UK, pp. 75-78, 2012.
  20. Mamta Mishra, Rajeev Srivastava, "Static and dynamic performance improvement of conventional lathe bed structure with hybrid material," world congress on "Frontiers of Mechanical, Aeronautical and Automobile Engineering" (WCFMAAE-2013), Organized by Krishi Sanskriti, 2- 3 Feb.2013.
  21. V. R. Komma, and Abijit Roy, "Simulation of Multiple-load Automated Guided Vehicle (AGV) System – An Agent-based Approach", Proceedings of 4<sup>th</sup> International and 25<sup>th</sup> All India Manufacturing Technology Design & Research (AIMTDR) Conference, Production Engineering Department, Jadavpur University, Kolkata, India, pages. 900-905, December 14-16, 2012.
  22. D. Singh, D. Pratap and R. Dev. "Improvement in Double Slope Solar Still for the Production of Drinking Water in Rural India," International Conference on Sustainable Technologies for Energy and Environment in Process Industries & US-India Joint International Conference on Energy and Environment (CHEMCON 2012). Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India, December 27-30, 2012.
  23. D. Singh, D. Pratap, S. Sinha and R. Dev., "Production of Drinking Water by using Double Slope Solar Still: An Ecofriendly Technique for Rural India," International Conference on Water Desalination, Treatment and Management & Indian Desalination Association Annual Congress-2013 (InDAICON 2013) NIT Jaipur, February 21-22, 2013.
  24. Narayan, A., and Yadava, V., "Thermal Stress Prediction within the Contact Surface during High Speed Deep Surface Grinding," 4<sup>th</sup> International and 25<sup>th</sup> National All India Manufacturing Technology, Design and Research (AIMTDR-2012), Dec.14-16, 2012.
  25. Pankaj Kumar Shrivastava and Avanish Kumar Dubey, "Intelligent Modeling and Optimization of Material Removal Rate in Electric Discharge Diamond Grinding," Proceedings of the ASME Conference on Manufacturing Science and Engineering (MSEC – 2012), University of Notre Dame, USA, June 04-08, 2012.

26. Arun Kumar Pandey and Avanish Kumar Dubey, "Modeling and Optimization of Kerf Taper in Pulsed Laser Cutting of Duralumin Sheet," Proceedings of the ASME Conference on Manufacturing Science and Engineering (MSEC – 2012), University of Notre Dame, USA, June 04-08, 2012.
27. Arun Kumar Pandey and Avanish Kumar Dubey, "Modeling and Optimization of Surface Roughness in Pulsed Laser Cutting of Duralumin Sheet," Proceedings of the 3rd International Conference on Production and Industrial Engineering CPIE-2013, NIT Jalandhar, March 29-31, 2013, pp. 1033-1039.
28. Shukla D. K. and Hiremath V., "Micromechanical Modeling of Dynamic Mechanical properties of Alumina Platelet-Reinforced Polymer Composites", IV International Conference on Recent Advances in Composite Materials, Feb 18-21, 2013, Goa, India.
29. Shukla D. K. and Verma V., "Effect of Nanoparticle inclusions on some Mechanical Properties of Epoxy-Alumina Polymer Nanocomposites", IV International Conference on Advancements in Polymeric Materials, Mar 01-03, 2013, Lucknow, India.
30. Vinay Kumar Sahu, N. K. Mishra and S.B. Mishra, "Effect of LVOF sprayed coating in Oxidation and Hot corrosion performance of Superco 605 at different temperatures," International Conference on Innovative Technologies in Mechanical Engineering, Krishna Institute of Engineering & Technology, Ghaziabad, August 24-25, 2012
4. Varun Chhabra and R.K. Patel, "Effect of prony series parameters on fracture behavior of viscoelastic materials," National conference on recent trends in engineering and sciences, PIES Indore, April 20-21, 2012, pp. 58-61.
5. Udit Goel and R.K. Patel, "Effect of inclusion on elastic properties of polymer nanocomposites," National conference on recent trends in engineering and sciences, PIES Indore, April 20-21, 2012.
6. Basanta Kumar Bhuyan and Vinod Yadava, "Experimental analysis of difficult to machine non-conductive materials using Traveling Wire Electro-Chemical Spark Machining Process," Proceedings of All India seminar on Advances in Materials and Material Selection in Design, HBTI Kanpur, pp. 40-49, August 24-25, 2012.
7. Sanjeev Kumar Singh Yadav and Vinod Yadava, "Machining challenges with advanced engineering materials," Proceedings of All India seminar on Advances in Materials and Material Selection in Design, HBTI Kanpur, pp. 148-152, August 24-25, 2012.
8. R.N Yadav, Vinod Yadava and S.K.S Yadav, "Production and Processing of Metal Matrix Composites (MMCs): Challenges and Opportunities," Proceedings of All India seminar on Advances in Materials and Material Selection in Design, HBTI Kanpur, pp. 122-132, August 24-25, 2012.
9. N. K. Mishra and S.B. Mishra, "The Technology – a solution to Oxidation and Hot Corrosion," National Conference on challenges & Opportunities for Technology Innovation in India (COTTI-2013) at Ambalika Institute Of Management & Technology, Lucknow on 16th February 2013.

#### **National**

1. S. Patel, V. R. Komma and M. S. Alam, "Modeling and Simulation of Concentric Heat Pipe", Proceedings of National Conference on Emerging Trends in Mechanical Engineering (ETME-2012), Department of Mechanical and Automobile Engineering, ITM University, Gurgaon, India, June 01, 2012, pages. 467-472.
2. Ankur Saxena and Rabindra Kumar Patel, "Concept and damping force calculation for eddy current dampers," National Conference on Challenges & Opportunities for Technological Innovation in India, AIMT Lucknow, Feb. 16, 2013.
3. Gaurav Pant and R. K. Patel, "Effect of interphase property variation on the properties of polymer nanocomposites," National conference on recent trends in engineering and sciences, PIES Indore, April 20-21, 2012, pp. 48-52
10. Santosh Kumar , N. K. Mishra and S.B. Mishra, "Role of HVOF sprayed coating of Wc-Co-Cr, NiCrSiB on slurry erosion wear of AISI 304 & 316 substrates," National Conference on challenges & Opportunities for Technology Innovation in India (COTTI-2013) at Ambalika Institute Of Management & Technology, Lucknow on 16th February 2013.
11. Abhay Shankar and S.B. Mishra, "Role of detonation gun sprayed coatings in improving slurry erosion wear resistance of alloy steels : a review," National Conference on challenges & Opportunities for Technology Innovation in India (COTTI-2013) at Ambalika Institute of Management & Technology, Lucknow on 16th February 2013.



12. Naveen Kumar and S.B. Mishra, "Effect of composite coatings on high temperature oxidation and hot corrosion of superalloys at different temperatures: a review," National Conference on challenges &

Opportunities for Technology Innovation in India (COTTI-2013) at Ambalika Institute Of Management & Technology, Lucknow on 16th February 2013.

## V. Books/Book Chapters Authored

Sl. no.	Faculty Name	Book	Book chapter	Publisher
1	V. R. Komma, P. K. Jain, and N. K. Mehta	Simulation of AGV System – A Multi Agent Approach	Chapter 01 in DAAAM International Scientific Book 2012, pages 001-018, Vol. 11, ISBN 978-3-901509-86-5, ISSN 1726-9687	Editor: B. Katalinic, Publisher DAAAM International Vienna, Vienna, Austria.

## VI. Research Projects Ongoing/Completed

Sl. No	Investigator	Title	Funding Agency	Amount in lakhs	Duration
1.	Prof. Vinod Yadava	Experimental and Numerical Study of Traveling Wire Electro-Chemical Spark Machining of Advanced Engineering Materials. [22/0486/09-EMR-II]	(CSIR), Government of India, New Delhi	8.51	Jan. 2010 to Jul. 2013
2.	Prof. Vinod Yadava	Electro-Discharge Diamond Grinding: Development and Optimization [DARO/08/2031574/M/I]	Aeronautics Research & Development Board (ARDB), Government of India, New Delhi	271.85	Aug. 2011 to Aug. 2014
3.	Dr. Avanish K Dubey and Dr R K Patel	Experimental and numerical study of laser cutting of aluminium alloy sheet and 22 (0532)/10/EMR-II	CSIR	10.5	June 2011- June 2014
4.	Dr. Avanish Kumar Dubey/Dr. R K Patel	Experimental and Numerical Study of Laser Cutting of Aluminium alloy Sheet	CSIR, New Delhi (India)	10.5	In Progress

## 10.12 Department of Physics

The Department of Physics came into existence from April, 2003. Prior to this, it constituted a section of the Department of Applied Mathematics, Applied Sciences & Humanities.

The Department offers Physics courses to all branches of B.Tech. students in their first two semesters. The Department is actively involved in experimental and theoretical research in the emerging areas of science and technology. Ph.D. programme is going on in the department.

### I. List of Ph. D. Thesis Completed

Sl. no.	Name of the Student	Thesis title	Supervisor(s)
1.	Manish Kumar Singh	Synthesis and Characterization of Metal and Metal Oxide Nanomaterials	Dr. Arvind Agarwal

### II. Publication in Journals International

1. R. K. Mishra and P. P. Sahay, "Zn-doped and undoped SnO<sub>2</sub> nanoparticles: A comparative structural, optical and LPG sensing properties study" *Materials Research Bulletin*, Vol. 47, p. 4112-4118, (2012) (Impact Factor =2.141).
2. C. S. Prajapati and P. P. Sahay, "Influence of In doping on the structural, optical and acetone sensing properties of ZnO nanoparticulate thin films" *Materials Science in Semiconductor Processing*, Vol. 16, p. 200-210, (2013) (Impact Factor =1.264).
3. C. S. Prajapati, Ajay Kushwaha and P. P. Sahay, "Influence of Fe doping on the structural, optical and acetone sensing properties of sprayed ZnO thin films" *Materials Research Bulletin*, Vol. 48, p. 2687– 2695, (2013) (Impact Factor =2.141).
4. C. S. Prajapati, Ajay Kushwaha, and P. P. Sahay, "Optoelectronics and formaldehyde sensing properties of tin-doped ZnO thin films," *Applied Physics A: Materials Science & Processing*, (2013) (Impact Factor =1.545).
5. Mohan Chandra Mathpal, Anand Kumar Tripathi, Manish Kumar Singh, S. P. Gairola, S. N. Pandey and Arvind Agarwal, "Effect of annealing temperature on Raman spectra of TiO<sub>2</sub> nanoparticles," *Chem. Phys. Lett.* vol. 555, pp. 182–186, 2013 (Impact Factor =2.145).
6. P. P. Sahay, R. K. Mishra, S. N. Pandey, S. Jha and M. Shamsuddin, "Structural, dielectric and photoluminescence properties of co-precipitated Zn-doped SnO<sub>2</sub> nanoparticles," *Curr. Appl Phys.* Vol.13, pp. 479-486, 2013 (Impact Factor =1.782).
7. Anand Kumar Tripathi, Manish K Singh, Mohan C Mathpal, Sheo K Mishra and Arvind Agarwal, "Study of structural transformation in TiO<sub>2</sub> nanoparticles and its optical properties," *Journal of Alloys and Compounds*, vol. 549, pp. 114–120, (2013) (Impact Factor =2.39).
8. M. K. Singh, A. Agarwal, R. K. Swarnkar, R. Gopal and R. K. Kotnala, "Magnetic Properties of Ni/NiO Core–Shell Nanoparticles Synthesized by Nanosecond Laser Irradiance of Water Suspended Ni Particles," *Science of Advanced Materials* vol. 4, pp. 532–536, (2012) (Impact Factor =2.509).
9. M. K. Singh, M. C. Mathpal, A. Agarwal, "Optical Properties of SnO<sub>2</sub> Quantum Dots Synthesized by Laser Ablation in Liquid," *Chem. Phys. Lett.* vol. 536, pp. 87–91, (2012) (Impact Factor =2.145) .
10. Animesh K. Ojha, Patrice Donfack and Arnulf Materny, "Complex concentration dependence of SERS and UV–Vis absorption of glycine/Ag-substrates because of glycine-mediated Ag-nanostructure modifications," *Journal of Raman Spectroscopy*, Volume 43, Issue 9, September 2012, Pages: 1183–1190 (Impact Factor - not found).
11. Srivastava M. Singh Jay, Yashpal M., Ojha Animesh K., Synthesis, Growth Mechanism and Characterization of Single Crystalline  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> Spherical Nanoparticles, *Journal of Nanoscience and Nanotechnology*, Vol. 12, 6248–6257 (2012) (Impact Factor - not found).
12. Animesh K. Ojha, Nidhi Vyas, Satya and P. Dubey, "Gas phase structural stability of neutral and zwitterionic forms of alanine in presence of (H<sub>2</sub>O)<sub>n=1-7</sub> clusters: A density functional theory study," *Computational and Theoretical Chemistry*, Vol. 1002, pp. 16-23, 15 December 2012 (Impact Factor - not found).
13. Vyas N and Ojha Animesh K., "Interaction of gold nanoclusters of different size with adenine: A density functional theory study of neutral, anionic and cationic forms of 4 [adenine + (Au)<sub>n=3,6,9,12</sub>] complexes," *Comput. Theoret. Chem.* Vol. 984, pp. 93-101 (2012) (Impact Factor - not found).
14. Srivastava M., Singh Jay, Yashpal M., Gupta D. K., Tripathi Shipra and Ojha Animesh K., "Synthesis of superparamagnetic bare Fe<sub>3</sub>O<sub>4</sub> nanostructures and core/shell (Fe<sub>3</sub>O<sub>4</sub>/alginate) nanocomposites," *Carbohydrate Polymers*, vol. 89, pp. 821– 829 (2012) (Impact Factor - not found).

15. Murtaza Bohra, Shiva Prasad, N. Venkataramani, S. C. Sahoo, Naresh Kumar, and R. Krishnan, "Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films," *IEEE Transactions on magnetics*, vol. 49, no. 7, pp. 1-4, (2013) (Impact Factor =2.422).
16. Mohit Sahni, Sushant Singh, A K Chawla, R. Chandra, A Dalvi, N Gupta, S. Kumar and Naresh Kumar, "Enhancement of magnetic and dielectric properties in chemically modified multiferroic (0.90) BiFe<sub>1-x</sub>Cr<sub>x</sub>O<sub>3</sub>-(0.10) BaTiO<sub>3</sub> nanocomposite," *J Supercond Nov Magn* 26, vol. 2, pp. 397-402 (2013) (Impact Factor = 0.702).

### III. Publication in Conferences International

1. Arvind Agarwal, Manish Kumar Singh, Mohan Chandra Mathpal, and Anand Kumar Tripathi "Crystallite size and strain study of nickel oxide nanoparticles by X-ray diffraction profile analysis" European Conference on X-ray Spectrometry (EXRS-2012), Vienna, Austria, June 18-22, 2012.
2. Arvind Agarwal, Manish Kumar Singh, Takuma Kaneko, Takehisa Konishi, and Takashi Fujikawa, "Study of Surfactant Concentration in the Synthesis of Nickel Nanoparticles by Pulsed Laser Ablation" Satellite Conference of XAFS-15 "XAFS theory and nano particles" Chiba, Japan, July 18-20, 2012.
3. Arvind Agarwal, Manish Kumar Singh, Takuma Kaneko, Takehisa Konishi, and Takashi ujikawa, "EXAFS studies of surfactant- mediated NiO nanoparticles". Fifteenth International Conference on X-Ray Absorption Fine Structure (Xafs-15), Beijing, China, July 22-28, 2012.
4. N. G. Pramod, S. N. Pandey and P. P. Sahay, "Improvement in the optical and electrical properties of nanocrystalline Sn<sub>x</sub>In<sub>2-x</sub>O<sub>3</sub> thin films" (First Indo-Canadian Symposium on Nano-Science and Technology (ICSNT-2013), organized jointly by The National Institute of Engineering, Mysore, India and McMaster University, Canada during February 20-21, 2013).
5. Arvind Agarwal, Manish Kumar Singh and Mohan Chandra Mathpal, "EXAFS Measurements of Nickel/ Nickel Oxide Nanoparticles and its comparison with

TEM and XRD results", 13<sup>th</sup> International Conference on Particle Induced X-ray Emission (PIXE 2013), Gramado, Brazil, March 02-08, 2013.

### National

1. C. S. Prajapati and P. P. Sahay, "Microstructural and optical Properties of spray deposited nanocrystalline Sn-doped ZnO thin films," National symposium on Materials and Processing-2012 (MAP-2012) at Bhabha Atomic Research Centre, Mumbai, India, October 10-12, 2012.
2. R. K. Mishra, S. B. Upadhyay and P. P. Sahay, "Synthesis and characterization of SnO<sub>2</sub> nanorods as LPG sensor," National symposium on Materials and Processing-2012 (MAP-2012) at Bhabha Atomic Research Centre, Mumbai, India. (October 10-12, 2012).
3. S. B. Upadhyay, R. K. Mishra and P. P. Sahay, "Synthesis, Characterization, Optical and ethanol sensing properties of WO<sub>3</sub> nanoparticles," National symposium on Materials and Processing-2012 (MAP-2012) at Bhabha Atomic Research Centre, Mumbai, India (October 10-12, 2012).
4. N. G. Pramod, S. N. Pandey and P. P. Sahay, "Highly conductive transparent Sn-doped In<sub>2</sub>O<sub>3</sub> tin thin films prepared by spray pyrolysis techniques" (National Symposium on Materials and Processing-2012 (MAP-2012), organized by Material Research Society of India (Mumbai Chapter) and Bhabha Atomic Research Centre, Mumbai during October 10-12, 2012).
5. Kapil K. Sharma and S. N. Pandey, "Entanglement dynamics in qubit-qutrit under Dzyaloshinskii-Moriya interaction" (3<sup>rd</sup> DAE-BRNS Symposium on Atomic, Molecular and Optical Physics, organized by Indian Institute of Science Education and Research, Kolkata during December 14-17, 2012).
6. Ramnayan Mukherjee and P. P. Sahay, "Preparation and Characterization of Spray-Deposited WO<sub>3</sub> Thin Films", Poster Presentation at 24th AGM of Materials Science Society of India held at IGCAR, Kalpakkam 11-13th Feb 2013.

### IV. Reviewer for International Journals

Sl. no.	Faculty Name	Journal Name
1.	Prof. P. P. Sahay	(Elsevier Publications) viz. Sensors and Actuators B: Chemical; Materials Research Bulletin; Physica E; Material Science & Engineering B; etc.
2.	Dr. Naresh Kumar	Applied Physics Letters.

## V. Invited Lectures Delivered

1. Prof. P.P. Sahay delivered invited lecture on “Solid state gas sensors based on semiconducting oxide nanomaterials” in NanoThailand 2012 Conference: Nanotechnology for the benefits of mankind at Khon Kaen, Thailand (April 9-12, 2012).
2. Arvind Agarwal delivered invited lecture on “Synthesis of Nickel/Nickel Oxide Nanoparticles and Estimation of size of nickel nanoparticles by EXAFS and its comparison with TEM and XRD results” in Theme Meeting on Synchrotron based EXAFS: Techniques and Applications, at RRCAT, Indore, India September 27-29, 2012.

## VI. Research Projects Ongoing/ Completed.

Sl. no.	Principal investigator	Title	Funding Agency	amount	Duration
1.	Prof. P. P. Sahay	Synthesis and characterization of metal-oxide semiconducting nanostructures with appropriate doping for various applications	UGC	8,26,800	2012-2015

## VII. Conferences & Seminars Attended.

1. Dr. Animesh Ojha attended a national symposium on Theoretical Chemistry held on 19-23 December, 2012, at Indian Institute of Technology, Guwahati, India.
2. Dr. Naresh Kumar visited Inha University Incheon South Korea for Collaborative Research Work/Technical Collaboration during September 22, 2012 to October 09, 2012.

## VIII. Other Relevant Information.

1. Dr. Animesh Ojha visited Germany in year 2012 under DFG-INSA Research Initiation Grant (June-August, 2012).

## 10.13 School of Management Studies

The School of Management Studies (SMS) has created a coveted niche for itself in Management Education of the country. It was established in 1996 to provide holistic education to MBA students in technical ambience. SMS offers one full time PG degree programme, viz. Master of Business Administration (MBA). Students get the advantage of dual specialization, out of –Marketing Management, Financial Management, Human Resource Management, Systems Management, International Business and Operations Management.

SMS also offers Ph.D. programmes. So far 17 candidates have been awarded Ph. D. degree and many more are enrolled in the areas of Finance, Marketing, HRM, MIS and Strategic Management.

The faculty is highly qualified with international exposure and motivated to inculcate quest for perfection among the students.

Short term Training/Management Development Programmes for industry and faculty are regularly organized with MHRD and AICTE collaboration.

### I. List of Ph.D Thesis Completed

S.No.	Student Name	Thesis Title	Supervisor(s)
1	Ashish Mohan Dubey	Industry Analysis for Identification of Variables of Sustainable Competitive Advantage: a Case Study of Aviation Sector in India	Dr. Geetika and Dr. G.P.Sahu
2	Rajesh Tripathi	“Strategic Thinking, Technology Adoption and Competence Building: a Growth Mapping of Newspaper Industry in India”,	Dr. Geetika

## II. Publication in Journals International

1. Piyali Ghosh, Satyawadi, R., Joshi, J.P. , and Shadman, M., "Who Stays with You? Factors Predicting Employees Intention to Stay" *International Journal of Organizational Analysis*, Vol. 21 Issue 3, pp. 288-312, 2013 (Impact Factor - not found).
2. Geetika and Meenakshi Rishi, "Tackling the menace of poverty by capacity building: case-based evidence on multi-sectoral partnerships in India" *International Journal of Social Entrepreneurship and Innovation*, Vol. 1, No. 4, pp 361-372 , 2012 (Impact Factor - not found).
3. Geetika and Meenakshi Rishi, "Promoting Entrepreneurship to Alleviate Poverty in India: An Overview of Government Schemes, Private Sector Programs, and Initiatives in the Citizens' Sector," *Thunderbird International Business Review, Wiley USA*, Volume 54, No 1, pp 45-58, 2012 (Impact Factor - not found).
4. Ashish Gupta and G.P. Sahu, "A Literature Review and Classification of Relationship Marketing Research," *International Journal of Customer Relationship Marketing & Management, IGI-Global, USA*, Vol. 3, no.1, pp 74-100, 2012 (Impact Factor - not found).
5. Prabir Panda and G.P. Sahu , "Right to Education: Effective Use of ICT for Reaching out to Socially and Economically Weaker Sections in India," *International Journal of Research in Computer Application & Management*, Vol. II (II), 2012 (Impact Factor - not found).
6. Piyali Ghosh, Satyawadi, R., Joshi, J.P., Ranjan, R. and Singh,P., "Towards More Effective Training Programmes: A Study of Trainer Attributes, Industrial and Commercial Training," *Emerald Group Publishing Limited*, Vol. 44 No. 4, pp. 194-202, 2012 (Impact Factor - not found).
7. Vibhuti Tripathi and Pooja Rastogi "Brand Architecture of Indian Hotels Company Limited: Perspectives and Strategies," *International Journal of Management and Computing Sciences*, Vol. 2, No. 2, pp.34-45, 2012 (Impact Factor - not found).
8. Tripti Singh , Ginni Chawla and Anant Mishra, "Unions and Managerial Associations: A Case Study of Selected Organisation," *Journal of Organisations*

and Human Behaviour, Vol. 1, Issue 2, April, 2012 (Impact Factor - not found).

9. Vibhava Srivastava and Tripti Singh, "Exploring Determinants of Closeness in Manufacturer-Supplier Relationships: A study of Select Indian Manufacturing Firms", *Journal of Relationship Marketing , Taylor and Francis*, vol. 12, no. 1, pp.1-21, 2013 (Impact Factor = 0.333).
10. Tripti Singh and Rameshwar Dubey, "Supply Chain Innovation is a key to superior Firm Performance an Insight from Indian Cement Manufacturing," *International Journal of Innovation science*, Vol 4, No 4, pp. 217-230, 2012 (Impact Factor - not found).
11. Tripti Singh and Rameshwar Dubey, "A theoretical framework of soft TQM in successful Implementation," *International Journal of Advanced Operations Management (IJAOM)*, Inderscience, Vol. 4, No. 3, pp. 195-218, 2012 (Impact Factor - not found).
12. Geetika and Anvita Gupta, "International Assignments, Expatriate Adjustment and Perceived Impact of Parent Organization Support," *The Business and Management Review, ITARC, London UK*, Vol. 3, No. 1, pp. 57-65, November, 2012 (Impact Factor - not found).

### National

1. Vibhuti Tripathi and Gunjan Nema, "Measuring Service Quality in Indian Public Transport System: A Comprehensive Review," *Asia Pacific Marketing Review*, Vol.1, No. 1, pp 113-119, June 2012.

## III. Publication in Conferences International

1. Geetika and Anvita Gupta, "International Assignments, Expatriate Adjustment and Perceived Impact of Parent Organization Support," *International Conference of Academy of Business and Retail Management*, London, November 6-7,2012.

### National

1. Geetika and Nidhi Tiwari, "An Empirical Study to Identify the Determinants of Success of Women Entrepreneurs in Uttar Pradesh," Tenth *Biennial Conference on Entrepreneurship, Entrepreneurship Institute of India*, Ahmadabad, India, February, 2013.

## IV. Reviewer for International

S.No.	Faculty Name	Journal Name
1	Dr. G.P. Sahu	International Journal of Electronic Government Research
2	Dr. Piyali Ghosh	International Journal of Retail & Distribution Management, Journal of Marketing Management, The International Review of Retail, Distribution and Consumer Research
3	Dr. Vibhuti Tripathi	Asia Pacific Marketing Review

## V. Journalsbooks/Book Chapters Authored

S.No.	Faculty Name	Book	Book Chapter	Publisher
1	Dr. Geetika and Anvita Gupta( Research Scholar)	Management Perspective: Business Continuity, Growth and Sustenance	Organisational Perspective on Strategic Dimension of Expatriate Adjustment	Excel India Publishers, New Delhi
2	Dr. Tripti Singh, and Rameshwar Dubey( Research Scholar)	Mechanism Design for Sustainability	“Study on Soft TQM practices in Indian Cement Industry and its Impact on Organizational Performance- An Empirical Study”	Springer publications,
3	Tanuj Nandan, and N. N. Chatnani( Research Scholar)	Efficiency of Price Discovery in Agricultural Commodity Trading in India	Agrarian Change and Small Farmers	Concept Publishing House

## VI. Invited Lectures Delivered

1. A lecture is delivered by Prof. Geetika on March 23 and 25, 2013, Academic Staff College, University of Allahabad, entitled “Women’s Rights at Workplace”.
2. A Special Lecture on “FDI in Retail Business” delivered by Prof. Peeush Ranjan Agrawal, March 26, 2013, Ewing Christian College, University of Allahabad.
3. A Key Note Address on “Financial Market and Global Economy” delivered by Prof. Peeush Ranjan Agrawal, March 23, 2013, United Institute of Management, Naini, Allahabad.
4. A Key Note Address on “Union Budget 2013” delivered by Prof. Peeush Ranjan Agrawal, March 9, 2013, Faculty of Management Studies, Banaras Hindu University.
5. A Lecture on “Widening Research Base and Penetrating Quality in Primary Education” delivered by Prof. Peeush Ranjan Agrawal, March 3, 2013, Refresher Program, Academic Staff College, UGC, Department of Education, University of Allahabad.
6. A Lecture on “Agriculture and Global Climate Change” delivered by Prof. Peeush Ranjan Agrawal, February 22, 2013, 15th Indian Agriculture Societies and Farmers Congress, Allahabad.
7. An Expert Lecture on “Devising Vision to Achieve Goals: One Leader Several Partners” delivered by Prof. Peeush Ranjan Agrawal, January 13, 2013, TEQUIP II, MNNIT Allahabad.
8. The Chairman Speech on “20 Years on Inception: FII’s Impact on Indian Financial Market” delivered by Prof. Peeush Ranjan Agrawal, January 7, 2013, Symbiosis Centre for Management Studies, Pune, India International Centre, New Delhi.
9. A lecture is delivered by Prof. Geetika on December 5, 2012, NTPC, titled “Habits of effectiveness”.
10. A Special Lecture on “Redefining and Dovetailing Training to Usher and Sustain the Spirit of Learning and Excellence for Addressing the Future Need of the Organization” delivered by Prof. Peeush Ranjan Agrawal, December 7, 2012, Defense Pension Training Institute, PCDA, Allahabad, Ministry of Defense, Government of India.
11. A Lecture on “Training on Concept Philosophy and Brief History of Workers Participation in Management, NTPC” delivered by Prof. Peeush Ranjan Agrawal, November 28, 2012, Central Board for Workers Education, Ministry of Labour and Employment, Government of India.
12. A Lecture on “FDI in Retail Business” delivered by Prof. Peeush Ranjan Agrawal, November 4, 2012, Bharat Vikas Parishad Prayag, Allahabad.
13. A Pre-Convocation Lecture on “FDI in Retail Business A Survey of Vegetable Market” delivered by Prof. Peeush Ranjan Agrawal, October 13, 2012, Faculty of Commerce, DDU Gorakhpur University.
14. The Chairman Speech on “Ravindra Nath Tagore and His Contribution to Higher Education in India” delivered by Prof. Peeush Ranjan Agrawal, October 2, 2013, National Symposium, UGC, Allahabad Degree College, University of Allahabad.

15. A Lecture on “4Ps Model of FDI and Retail Business” delivered by Prof. Peeush Ranjan Agrawal, September 24, 2012, Integrated Refresher Program on Commerce, Management and Economics, Academic Staff College, UGC, MONIRBA, University of Allahabad.
16. A Lecture on “Modern Trends and Issues in Corporate Management” delivered by Prof. Peeush Ranjan Agrawal, August 13, 2012, Academic Staff College, UGC, Sambalpur University, Odisha.
17. A Lecture on “FDI in Retail Business A Survey of Vegetable Market in Allahabad” delivered by Prof. Peeush Ranjan Agrawal, April 5, 2012, Noida Institute of Engineering & Technology, Greater Noida.

#### VII. Invited Lectures Organized at Institute:

1. A lecture is delivered by Mr. S.H. Jafar ,from Center for Monitoring Indian Economy Pvt. Ltd on September 3, 2012, entitled “Training on use of CMIE Database”.
  2. A lecture is delivered by Mr. Amit Mishra ,from Reliance Industries Limited on September 4, 2012, entitled “Contemporary Industry Scenario”.
  3. A lecture is delivered by Prof. H.C. Chaudhary, from Banaras Hindu University on September 10, 2012, entitled “Marketing Strategies and Social Entrepreneurship”.
  4. A lecture is delivered by Prof. A.K. Awasthi from Sagar University on September 14, 2012, on the importance of “Hindi Diwas ”.
  5. A lecture is delivered by Shri. Varun Agrawal ,from Bhakti Vedant Sansthan, Kolkata on September 14, 2012, , on the importance of “Hindi Diwas ”.
6. A lecture is delivered by Mr. P.K. Chaubey ,from Indian Institute of Public Administration on October 02, 2012, entitled “Disparity and Human Development”.
  7. A lecture is delivered by Prof. B.P. Singh, from Delhi School of Economics on October 04 – 05, 2012, entitled “Research in Management”.
  8. A lecture is delivered by Prof. Sanjiv D. Vaidya, from Indian Institute of Management, Kolkata on November 03, 2012, entitled “Strategy Formulation for Information Systems and IT Applications”.

#### IX. Coordinator/Co-Cordinator in Workshops/ Short-Term Courses /Training Programme

1. Geetika as a Convenor in “Journal Equivalence Workshop”, SMS, MNNIT, organized during March 20, 2013.
2. Dr. Vibhuti Tripathi as a Coordinator in “Simulation Workshop on Personality and Communication Skills Development”, SMS, MNNIT, organized during February 6 -7, 2013.
3. Tripti Singh as a Coordinator in “Change Management and Transformation”, SMS, MNNIT, organized during April 18<sup>th</sup>, 2012.

#### X. Other Relevant Information

1. Prof. Geetika went as Visiting Professor, at Asian Institute of Technology Thailand, on Faculty secondment by Ministry of Human Resource Development, Government of India, to teach for the term January to June 2012.
2. Department organized following Conferences/ Seminars/Workshops/ training programme.

S.No.	Workshops/short term courses/training programme	Coordinator	Month &Year
1	Change Management and Transformation	Dr Tripti Singh	April 18 , 2012
2	Workshop on MBA New Curriculum	Prof Geetika	July 19, 2012
3	Simulation Workshop on Personality and Communication Skills Development	Dr Vibhuti Tripathi	February 6 -7, 2013
4	One Day Symposium on Union Budget – 2013	Dr Tanuj Nandan	February 28, 2013
5	Journal Equivalence Workshop	Prof Geetika	March 20, 2013

## 10.14 GIS Cell

GIS (Geographic Information System), remote sensing and GPS (Global Positioning System) have evolved constantly in last few decades and have emerged as significant interdisciplinary technologies, apart from achieving a matured and operational status in India and abroad. These modern technological tools are being increasingly used in a variety of application areas such as Civil Engineering, Geography, Geology, Environmental Sciences, Agriculture, Disaster Mitigation and Management, Archaeology, Forestry, Business, Journalism, Natural Resource Monitoring and Management, Infrastructure Development and Management, Event Mapping (Accidents/ Crime/ Fire/ Utilities), Automated Mapping/ Facility Management, Land Use Mapping and Management, Urban and Regional Planning, among others.

There is an urgent need of technical manpower in the field of GIS/ remote sensing/ GPS keeping in mind the increased awareness about the usefulness and application

potentials of GIS/ remote sensing/ GPS coupled with the launching of several programmes of national importance by Government of India like National Natural Resource Management System, National Spatial Data Infrastructure, Urban Resource Information System, National Programme on GPS for Geodynamic Studies, etc.

MNNIT, Allahabad has taken a lead in this field by establishing GIS Cell, and is among few premier technical Institutes of India to offer M.Tech. in GIS and Remote Sensing from academic session 2006-07. GIS Cell has been granted the status equivalent of a Department by the Institute for running postgraduate programmes and undertaking research work in the interdisciplinary field of GIS/ remote sensing/ GPS.

GIS Cell also offers Institute fellowship for carrying research work leading to the award of Ph.D. degree in the field of Geoinformatics (Core and Applications)

### I. List of M.Tech Thesis Completed

S. No.	Name	Thesis title	Supervisor(s)
1	Alka Maurya	Spatial Pattern Analysis And Decision Making Algorithm for project location site prediction	Dr.R.S.Yadav
2	Arindam Saha	Open Source Web GIS Based Disaster Information System	Dr.R.C.Vaishya
3	Ashok Shaky	Development of GIS Based Data Base for Narmada River Basin and flow Forecasting Near Barghi Dam	Dr.Raj Mohan Singh
4	Ashutosh Tiwari	GIS Database Creation using Remote Sensing Technology In and Around Motichur Area Utrakhand and its change detection in Last 30 Years	Mr.D.K.Yadav
5	Devendra Kumar	Time Series Flow Forecasting Using Artificial Neural Network for Sharda River	Dr.Raj Mohan Singh
6	Jagdish B.	Web GIS Framework For implementation of SarvaShikshaAbhiyan& RTE	Dr.R.D.Gupta
7	Maharana Pratap Singh	Multi Modal Public Transportation Information System	Dr.Varun Singh
8	Mainak Bandyopadhyay	A Framework for Emergency Management and Response System using GIS Technology	Dr.Varun Singh
9	Mithilesh Kumar Singh Yadav	Dynami Route Optimization for reverse AODV in MANETS by shrinking mechanism	Dr.R.S.Yadav
10	Sarathy Aurag Abhay	Traffic Support Prototype,A Cogitation on Open Source Architecture	Dr.Varun Singh

### II. Other Relevant Information.

- Two Day workshop titled "A workshop on GPS and GIS" has been organized on 20.11.2012 & 21.11.2012
- One day workshop titled "Curriculum Development Workshop" has been organized on 25.06.2013





*Republic day*





# 11

## ACCOUNTS

Financial and Account Details **11.1**

Annual Account: 2012-13 **11.2**





# *Avishkar*



# **FINANCIAL AND ACCOUNT DETAILS**



**Separate Audit Report of the Comptroller & Auditor General of India on Accounts of Motilal Nehru National Institute of Technology, Allahabad for the year ended 31 March 2013.**

We have audited the attached Balance Sheet of Motilal Nehru National Institute of Technology (Institute), Allahabad as at 31 March 2013, the Income & Expenditure Account and Receipt & Payment Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. These financial statements are the responsibility of the NIT's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (C&AG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observation 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/C&AG'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 management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

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 & Expenditure Account and Receipt & Payment Account dealt with by this report have been drawn up in the format prescribed by the Government of India.

(iii) In our opinion, proper books of accounts and other relevant records 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**

**(A.1)** The institute had adjusted an amount of ₹17.40 lakh during the year 2012-13 towards purchase of bus. The said amount was not added to the concerned asset resulting in understatement of assets and overstatement of liability by the same amount.

**(A.2)** As per schedule XIV of the companies Act 1956, rate of depreciation for furniture & fittings used in educational institutions was 25.88 *per cent* instead of 18.10 *per cent* charged by the institute. Due to charging of depreciation at lesser rate, depreciation was understated by ₹ 35.78 lakh and surplus was overstated by the same amount.

**(B) General**

**(B.1) Investment (others)**

The Institute did provide records of some FDs/TDRs and hence these could not be examined in Audit. The details are as follow:

Sl No	FD/TDR	Amount (₹ in lakh)
1	FD-NPS	396.62
2	TDR-Caution money	102.28
3	TDR-SNFC	98.00
4	TDR-Industrial Estate	208.00



(B.2) Scrutiny of Schedule -21 revealed that an amount of ₹ 125.11 lakh (Interest recoverable from treasury) was adjusted (written off) during the year without proper authorisation.

(B.3) Provision towards retirement benefits for the previous years has not been made by the Institute.

**(C) Grants in aid**

During the year 2012-13, the Institute received grant of ₹ 64.00 crore from Government of India (Plan ₹ 5.00 crore, Non-Plan ₹ 59.00 crore), and had an opening balance of ₹ 46.75 crore (plan ₹ 44.50 crore and non plan ₹ 2.25 crore). It generated its own receipt of ₹ 15.62 crore. Out of ₹ 126.37 crore, the Institute utilised ₹ 95.35 crore (Plan ₹ 39.95 crore, Non-Plan ₹ 39.78 crore and others ₹ 15.62 crore) leaving a balance of ₹ 31.02 crore (Plan ₹ 9.55 crore, Non-Plan ₹ 21.47 crore) as un-utilised grants as on 31 March 2013.

**(D) Management letter**

Deficiencies which have not been included in the Audit Report have been brought to the notice through a management letter issued separately for remedial/corrective action.

v. Subject to our observation in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipt & Payment 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 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 2013; and

b. In so far as it relates to Income & Expenditure Account of the surplus for the year ended on that date.

**For and on behalf of the C&AG of India**

**Place: Lucknow**

**Date :**

  
**Principal Director of Audit (Central)**

## Annexure

### 1. Adequacy of Internal Audit System

The Institute needs to prepare its Internal Audit Manual, which would facilitate internal auditing of various departments by the newly created Internal Audit Cell.

### 2. Adequacy of Internal Control System

Internal control mechanism in the Institute reflected the deficiencies such as non-formulation of investment policy as per the norms prescribed by the Government, deficiencies in pay fixation cases and non-maintenance of Centralised Fixed Assets Register.

### 3. System of Physical verification of fixed assets

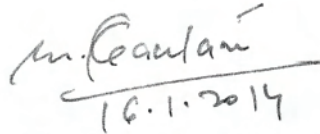
Physical verification of fixed assets has been conducted at departmental level for the year 2012-13 except that of the library.

### 4. System of Physical verification of Inventory

Physical verification of Inventory was conducted for the year 2012-13.

### 5. Regularity in payment of statutory dues

All the statutory dues have been paid in time.

  
16.1.2014

**Dy. Director of Audit (Central)**

## Management Letter

(1.) The Institute has not formulated its investment policy as per the norms prescribed by the Ministry of Finance vide Notification No. 5 (88)/2006-pr dated 14.08.2008.

(2.) The correctness of depreciated value of assets shown in the balance sheet could not be verified, as the centralised assets register was not maintained by the Institute.

*M. Kantam*  
16.1.2014

Dy. Director Audit / Central

# **ANNUAL ACCOUNT: 2012-13**



**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**BALANCE SHEET AS AT 31ST MARCH, 2013**

(Amount in Rs.)

LIABILITIES	Sch No.	CURRENT YEAR 2012-2013	“ PREVIOUS YEAR 2011-2012 “
<b>FUND ACCOUNT- INSTITUTE</b>			
Amount utilised for Capital Expenditure	1	49,29,56,865.00	51,85,72,899.00
Income and Expenditure- Institute			
Opening Balance as on 01-04-2012		72,53,04,649.00	
Add: Excess of Income over Expenditure during the year		<u>22,66,37,654.00</u>	72,53,04,649.00
<b>FUND ACCOUNT- SUBSIDIARIES</b>			
	2	13,79,41,205.87	12,22,53,699.00
<b>DEFERRED GOVERNMENT GRANTS</b>			
Opening Balance:		26,88,44,898.00	
Additions during the year		<u>21,03,99,265.74</u>	
Sub Total:		47,92,44,163.74	
Less: Apportioned to Income & Expenditure Account on account of Depreciation		<u>10,31,94,272.00</u>	26,88,44,898.00
<b>EARMARKED/ ENDOWMENT FUND (GPF/CPF)</b>	3	25,23,06,655.00	20,60,96,451.00
<b>UNUTILISED PLAN &amp; NON PLAN GRANT FROM GOVERNMENT</b>	4	31,02,56,775.00	46,75,18,260.00
<b>UNUTILISED GRANT FROM OTHER ORGANISATION</b>	5	6,45,32,733.50	1,68,02,488.00
<b>OTHER ADJUSTABLE ACCOUNTS</b>	6	5,38,18,551.00	3,92,82,396.00
<b>REFUNDABLE DEPOSIT</b>	7	2,65,24,920.00	2,60,34,548.00
<b>OUTSIDE SCHOLARSHIPS</b>		14,64,712.00	18,77,775.00
<b>SUNDRY CREDITORS</b>	8	4,66,78,531.39	1,60,09,386.00
<b>PROVISIONS FOR THE YEAR</b>	9	4,24,16,113.00	2,99,15,859.00
<b>GRAND TOTAL</b>		<u>2,75,68,89,256.50</u>	<u>2,43,85,13,308.00</u>

FOR RAMESH C. AGRAWAL AND COMPANY  
CHARTERED ACCOUNTANTS  
Sd/-  
(CA. ROHITASHWA AGRAWAL)  
PARTNER

Sd/-  
(SARVESH KR. TIWARI)  
REGISTRAR

Sd/-  
(UMA SHANKAR SHARMA)  
DY. REGISTRAR A/CS

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**BALANCE SHEET AS AT 31ST MARCH, 2013**

(Amount in Rs.)

ASSETS	Sch No.	CURRENT YEAR 2012-2013	“ PREVIOUS YEAR 2011-2012 “
<b>FIXED ASSETS:</b>			
a) Land		5,21,45,714.00	5,21,45,714.00
b) Buildings	10	94,39,70,309.00	23,25,90,305.00
Augmentation of Academic & Physical Infrastructure (Consolidated)		-	17,73,97,426.00
Renovation of Building & Structures 2010-11		-	5,97,547.00
Renovation of Building & Structures 2011-12		-	12,53,422.00
Construction of Institute Gate 2008-09		-	1,93,774.00
Construction of Hostel (OBC)(WIP) 2008-09		-	1,00,84,153.00
Construction of Hostel (OBC)(WIP) 2009-10		-	1,42,55,535.00
Construction of Mega Hostel & Faculty Residence (OBC) (WIP) 2010-11		-	20,44,33,169.00
Construction of Mega Hostel & Faculty Residence (OBC) (WIP) 2011-12		-	22,55,05,371.00
Construction of Mega Hostel & Faculty Residence (OBC) (WIP) 2012-13		-	-
c) Equipment and Tools - Academic Deptt, Centres & Other Sections			
i) Plant Machinery & Equipment	11	17,84,14,715.19	16,37,33,110.00
ii) Office Equipment	12	1,04,75,774.05	36,63,820.00
iii) Computer Peripherals	13	2,50,82,424.90	1,70,81,930.00
iv) Tubewell & Water supply		1,35,309.00	1,57,171.00
v) Other Fixed Assets	14	81,03,752.60	70,54,428.00
d) Electric Installations	15	5,80,42,610.00	5,68,57,209.00
<u>Work in Progress</u>			
OBC Plan Grant 2009-10		-	11,58,540.00
OBC Plan Grant 2010-11		-	13,50,020.00
e) Vehicles	16	18,53,285.00	21,52,730.00
f) Furniture and Fixtures	17	3,80,96,914.00	3,11,38,041.00
g) Library Books and Journals	18	1,46,83,307.00	1,16,10,867.00
<b>LOAN &amp; ADVANCES ACCOUNT</b>	19	11,06,72,123.00	16,01,56,773.00
<b>RECOVERABLE DEPOSITS</b>	20	20,86,630.00	13,33,433.00
<b>FIXED DEPOSITS/ INVESTMENTS</b>	21	60,37,35,974.00	53,00,56,059.00
<b>CLOSING STOCK OF CONSUMABLE &amp; OTHER MATERIALS</b>		3,45,543.00	3,45,543.00



(Amount in Rs.)			
ASSETS	Sch No.	CURRENT YEAR 2012-2013	“ PREVIOUS YEAR 2011-2012 “
<b>SUNDRY DEBTORS - INDUSTRIAL ESTATE</b>		1,23,52,182.05	1,26,31,328.00
<b>ACCRUED INTEREST</b>	22	2,59,17,379.00	99,39,947.00
<b>MISCELLANEOUS EXPENDITURE</b>	23	71,21,926.00	53,09,362.00
<b>CLOSING BALANCE OF CASH &amp; BANK</b>	24	66,36,53,384.71	50,43,26,581.00
<b>GRAND TOTAL</b>		2,75,68,89,256.50	2,43,85,13,308.00
<b>SIGNIFICANT ACCOUNTING POLICIES &amp; NOTES TO ACCOUNTS</b>	44	-	-

FOR RAMESH C. AGRAWAL AND COMPANY  
 CHARTERED ACCOUNTANTS  
 Sd/-  
 (CA. ROHITASHWA AGRAWAL)  
 PARTNER

Sd/-  
 (SARVESH KR. TIWARI)  
 REGISTRAR

Sd/-  
 (UMA SHANKAR SHARMA)  
 DY. REGISTRAR A/CS

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2013**

(Amount in Rs.)

PARTICULARS	Sch No.	CURRENT YEAR 2012-2013	“ PREVIOUS YEAR 2011-2012 “
<b>INCOME:-</b>			
Grant-in-aid from Govt. of India			
<b>Non-Plan</b>			
Grant-in-aid released during the year		59,00,00,000.00	
Add: Unutilised balance of Grants as on 01.04.2012		<u>2,25,29,750.00</u>	
		61,25,29,750.00	
Less: Unutilised balance of Grants as on 31.03.2013		<u>21,47,17,959.00</u>	39,78,11,791.00
			39,78,99,689.00
<b>Plan</b>			
Grant-in-aid released during the year		5,00,00,000.00	
Add: Unutilised balance of Grants as on 01.04.2012		<u>44,49,88,510.00</u>	
		49,49,88,510.00	
Less: Unutilised balance of Grants as on 31.03.2013		<u>9,55,38,816.00</u>	39,94,49,694.00
			8,91,79,116.00
Sub Total			79,72,61,485.00
Less: Amount utilised for capital Expenditure from Grant		<u>21,03,99,265.74</u>	11,93,06,196.00
Net Amount utilised for Revenue Expenditure		58,68,62,219.26	36,77,72,609.00
Fees from Students	25	18,01,62,189.00	12,62,52,143.00
Other Receipts from Students	26	5,56,59,277.65	6,85,34,708.00
Other Income and Miscellaneous Receipts	27	56,91,677.16	64,03,944.00
Interest on Deposit and Other Interest	28	5,11,80,333.00	3,37,59,106.00
<b>Apportioned amount of Grants/Fund towards Depreciation</b>			
From Deffered Government Grants		<u>10,31,94,272.00</u>	
From Capital Fund		<u>2,56,16,034.00</u>	8,59,47,490.00
<b>TOTAL</b>	<b>A</b>	<u>1,00,83,66,002.07</u>	<u>68,86,70,000.00</u>
<b>EXPENDITURE:-</b>			
Pay and Allowances	30	29,17,84,675.10	25,43,85,738.00
Other Allowances	31	1,12,49,173.00	1,93,73,946.00
Retirement Benefits	32	8,63,22,318.00	8,44,42,244.00

(Amount in Rs.)			
PARTICULARS	Sch No.	CURRENT YEAR 2012-2013	“ PREVIOUS YEAR 2011-2012 “
<b>Administrative Expenses:</b>			
i) General Expenses	33	6,15,24,546.13	2,74,62,646.00
ii) Other Contingent Expenses	34	1,00,99,814.39	41,59,209.00
iii) Other Educational Expenses	35	1,77,12,422.00	83,87,570.00
<b>Departmental Expenses:</b>			
DOC/Consumables/Academic Deptt. And Centres	36	67,69,374.00	46,69,921.00
Maintenance and Repairs to Vehicles & Furniture	37	11,17,234.00	7,48,798.00
House keeping and Estate maintenance	38	2,52,07,580.95	2,12,46,921.00
Scholarship	39	7,65,01,351.00	7,00,79,876.00
Health Facilities	40	74,01,889.00	63,76,008.00
Water and Electricity Charges	41	5,68,63,176.50	4,24,63,608.00
Depreciation on Assets		12,91,74,794.00	8,64,34,078.00
<b>TOTAL</b>	<b>B</b>	78,17,28,348.07	63,02,30,563.00
<b>BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE (A)-(B)</b>		22,66,37,654.00	5,84,39,437.00

**SIGNIFICANT ACCOUNTING POLICIES &  
NOTES TO ACCOUNTS**

**44**

FOR RAMESH C. AGRAWAL AND COMPANY  
CHARTERED ACCOUNTANTS  
Sd/-  
(CA. ROHITASHWA AGRAWAL)  
PARTNER

Sd/-  
(SARVESH KR. TIWARI)  
REGISTRAR

Sd/-  
(UMA SHANKAR SHARMA)  
DY. REGISTRAR A/CS

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

**SCHEDULE 1 - FUND ACCOUNT - INSTITUTE**

(Amount in Rs.)				
Particulars	Opening Balance as on 01/04/2012	Journal Entry Adjustments	"As at March 31, 2013	"As at March 31, 2012"
<b>INSTITUTE:</b>				
Land	5,21,45,714.00	-	5,21,45,714.00	5,21,45,714.00
Amount utilised for the Capital Expenditure	52,73,37,030.00	-	52,73,37,030.00	52,73,37,030.00
Capital Fund Transferred from TEQIP	14,87,34,956.00	-	14,87,34,956.00	14,87,34,956.00
Capital Fund Transferred from ITN Course	(1,16,253.00)	-	(1,16,253.00)	(1,16,253.00)
Capital Fund Transferred from Class Pilot Project	94.00	-	94.00	94.00
Capital Fund Transferred from SC/ST Pre Exam Training Center	26,530.00	-	26,530.00	26,530.00
	72,81,28,071.00	-	72,81,28,071.00	72,81,28,071.00
"Less: Apportioned to Income & Expenditure Account on account of Depreciation"	20,95,55,172.00	2,56,16,034.00	23,51,71,206.00	20,95,55,172.00
<b>TOTAL</b>	51,85,72,899.00	(2,56,16,034.00)	49,29,56,865.00	51,85,72,899.00

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

**SCHEDULE 2 - FUND ACCOUNT-SUBSIDIARIES**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Add: Income as per Sch: 29	Less: Expense as per Sch: 42 & 43	Journal Entry Adjustments	As at March 31, 2013	As at March 31, 2012
Alumni Association	39,65,191.00	22,13,075.50	17,32,116.00	-	44,46,150.50	39,65,191.00
Dean Academic Affairs	1,20,06,899.00	1,13,22,954.00	25,21,961.00	-	2,08,07,892.00	1,20,06,899.00
G.K. Agarwal Trust	1,07,203.00	27,912.00	-	-	1,35,115.00	1,07,203.00
Industrial Estate	1,26,78,796.00	27,28,311.31	8,97,879.00	-	1,45,09,228.31	1,26,78,796.00
Nodal Center	(1,83,932.00)	31,88,068.00	27,51,944.00	-	2,52,192.00	(1,83,932.00)
P.D.T.C.	(1,82,934.00)	6,698.00	27,062.00	-	(2,03,298.00)	(1,82,934.00)
Project Account	1,57,35,807.00	57,76,842.00	47,538.00	2,15,41,334.10	(76,223.10)	1,57,35,807.00
Research & Consultancy Cell	4,38,90,540.00	2,86,43,309.00	15,75,398.00	45,951.16	7,10,04,402.16	4,38,90,540.00
School of Non Formal Continuing Education (SNFCE)	41,02,417.00	17,02,215.00	31,50,315.00	-	26,54,317.00	41,02,417.00
Sponsored Gold Medal	2,32,923.00	5,138.00	-	-	2,38,061.00	2,32,923.00
Student Welfare Fund	96,81,131.00	20,38,995.00	7,78,603.00	-	1,09,41,523.00	96,81,131.00
TEQIP - II	2,00,74,283.00	7,92,325.00	78,11,303.00	-	1,30,55,305.00	2,00,74,283.00
Text Book Lending Bank	1,45,375.00	54,359.00	23,193.00	-	1,76,541.00	1,45,375.00
<b>TOTAL</b>	<b>12,22,53,699.00</b>	<b>5,85,00,201.81</b>	<b>2,13,17,312.00</b>	<b>2,15,87,285.26</b>	<b>13,79,41,205.87</b>	<b>12,22,53,699.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE  
SCHEDULE FORMING**

**SCHEDULE 3 - EARMARKED**

FUND WISE BREAK UP	GPF	CPF	NPS
<b>1) Opening Balance of the Fund-01.04.2012</b>			
Balance with Treasury	10,07,349.00	-	-
Balance with SB Account	13,74,74,601.00	4,40,310.00	-
Balance with FD Account	3,09,78,269.00	1,23,16,829.00	-
Interest Accrued on FDR	49,15,675.00	7,70,156.00	-
Interest Receivable from Treasury	1,25,11,172.00	-	-
<b>Sub Total (1)</b>	<b>18,68,87,066.00</b>	<b>1,35,27,295.00</b>	<b>-</b>
<b>2) Additions/ Receivables to the Funds:</b>			
Income from Investment made on Account of Funds - Interest"	1,74,20,288.00	70,196.00	30,17,277.00
Contributions to Fund	2,78,86,972.00	7,81,493.00	98,98,033.00
Revenue Income	-	-	-
Opening Balance now incorporated	-	9,75,896.00	2,67,71,493.00
Interest Accrued on FDR	-	-	-
Loan/ Advance from Institute	-	-	-
Liability towards Cancelled Cheques	-	-	-
Cont. from R&C Cell towards Interest	-	-	-
<b>Sub Total (2)</b>	<b>4,53,07,260.00</b>	<b>18,27,585.00</b>	<b>3,96,86,803.00</b>
<b>3) Utilisation/ Payables towards Objectives of the Funds:</b>			
Other Payments	2,44,88,194.00	38,42,270.00	-
Loan Repayments	-	-	-
Prior Period Expenses - Interest Treasury	1,25,11,172.00	-	-
Payment of Cancelled Cheques	-	-	-
<b>Sub Total (3)</b>	<b>3,69,99,366.00</b>	<b>38,42,270.00</b>	<b>-</b>
<b>Grand Total [1+2-3]</b>	<b>19,51,94,960.00</b>	<b>1,15,12,610.00</b>	<b>3,96,86,803.00</b>

**UTE OF TECHNOLOGY ALLAHABAD**  
**PART OF BALANCE SHEET**

**/ ENDOWMENT FUNDS**

(Amount in Rs.)

Corpus Fund	Staff Development	Development/ Renewal Fund	Maintenance Fund	Total 2012-13"	As at March 31, 2012
-	-	-	-	10,07,349.00	10,07,349.00
34,08,970.00	11,36,458.00	5,68,331.00	5,68,331.00	14,35,97,001.00	3,09,68,373.00
-	-	-	-	4,32,95,098.00	14,13,48,687.00
-	-	-	-	56,85,831.00	95,70,006.00
-	-	-	-	1,25,11,172.00	1,25,11,172.00
34,08,970.00	11,36,458.00	5,68,331.00	5,68,331.00	20,60,96,451.00	19,54,05,587.00
1,38,104.00	46,040.00	23,024.00	23,024.00	2,07,37,953.00	89,75,744.00
-	-	-	-	3,85,66,498.00	2,81,61,653.00
-	-	-	-	-	2,11,679.00
-	-	-	-	2,77,47,389.00	-
-	-	-	-	-	54,18,093.00
-	-	-	-	-	-
-	-	-	-	-	49,427.00
-	-	-	-	-	-
1,38,104.00	46,040.00	23,024.00	23,024.00	8,70,51,840.00	4,28,16,596.00
-	-	-	-	2,83,30,464.00	3,20,76,305.00
-	-	-	-	-	-
-	-	-	-	1,25,11,172.00	-
-	-	-	-	-	49,427.00
-	-	-	-	4,08,41,636.00	3,21,25,732.00
35,47,074.00	11,82,498.00	5,91,355.00	5,91,355.00	25,23,06,655.00	19,54,05,587.00

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

**SCHEDULE 4 - GRANTS UTILISED/ UNUTILISED**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Current Year 2012-2013		Utilisation 2012-13	Under Utilisation Payable
		Grants	Institute Receipts		
<b>Central Government- Plan</b>	44,49,88,510.00	5,00,00,000.00	-	49,49,88,510.00	9,55,38,816.00
Sub Total (A)	44,49,88,510.00	5,00,00,000.00	-	49,49,88,510.00	9,55,38,816.00
<b>Central Government- Non Plan</b>	2,25,29,750.00	59,00,00,000.00	15,62,17,130.00	76,87,46,880.00	21,47,17,959.00
Sub Total (B)	2,25,29,750.00	59,00,00,000.00	15,62,17,130.00	76,87,46,880.00	21,47,17,959.00
<b>Grand Total (A+B)</b>	46,75,18,260.00	64,00,00,000.00	15,62,17,130.00	1,26,37,35,390.00	31,02,56,775.00



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

**SCHEDULE 5 - UNUTILISED GRANT FROM OTHER ORGANISATION**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Receipts During the Year	Payments During the Year	J.E.Adjustment	As at March 31, 2013	As at March 31, 2012
<b>INSTITUTE</b>						
AICTE - Staff Dev. Programme on Design for X	13,600.00	-	-	13,600.00	-	13,600.00
AICTE Staff Development Programme (Dr. Geetika)	1,00,000.00	-	-	1,00,000.00	-	1,00,000.00
AICTE Staff Development Programme (Dr. K.N.Pandey)	1,83,045.00	-	-	1,83,045.00	-	1,83,045.00
AICTE Staff Development Programme (Dr. M.D.Singh)	1,00,000.00	-	-	1,00,000.00	-	1,00,000.00
AICTE Staff Development Programme (Dr. Vinod Yadav)	24,446.00	-	-	24,446.00	-	24,446.00
BIO PROSP - MNNIT 2010	5,519.00	-	-	5,519.00	-	5,519.00
C-Dac Project	43,645.00	-	-	43,645.00	-	43,645.00
Conference ICPCES - 2010-11 EED	4,69,217.00	-	-		4,69,217.00	4,69,217.00
Conference on Economic Crisis Management (Dr. Geetika)	21,254.00	-	-	21,254.00	-	21,254.00
Early Faculty Induction Programme QIP	20,000.00	-	-	20,000.00	-	20,000.00
Executive Development Programme Course	12,356.00	-	-	12,356.00	-	12,356.00
ICCCT (Dr. A.K. Misra)	-	-	-		-	-
ICSSR - Fellowship (Doctoral)	1,59,489.00	-	-		1,59,489.00	1,59,489.00
NRSA Project - Satellite Date Compression Decomposition	2,18,279.00	-	-		2,18,279.00	2,18,279.00
Short Term Course "Process Mechanism" (Dr. A.C.Agrawal)	4,631.00	-	-	4,631.00	-	4,631.00
Short Term Course-Finite Element Analysis (AMD)	41,529.00	-	-	41,529.00	-	41,529.00
U.G.C.	2,11,200.00	-	-		2,11,200.00	2,11,200.00
U.G.C. Fellowship	27.00	8,98,504.00	8,45,844.00		52,687.00	27.00

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Receipts During the Year	Payments During the Year	J.E.Adjustment	As at March 31, 2013	As at March 31, 2012
Workshop on Design of Rural Road (Dr. A.K. Singh)	12,828.00	-	-	12,828.00	-	12,828.00
<b>SUBSIDIARIES</b>					-	
<b>Project Account :</b>					-	
Project (Running)	1,51,61,423.00	5,64,72,350.90	5,36,45,162.40		1,79,88,611.50	1,51,61,423.00
Project (Deffered Grant)	-	4,54,33,250.00			4,54,33,250.00	-
<b>TOTAL</b>	<b>1,68,02,488.00</b>	<b>10,28,04,104.90</b>	<b>5,44,91,006.40</b>	<b>5,82,853.00</b>	<b>6,45,32,733.50</b>	<b>1,68,02,488.00</b>

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

**SCHEDULE 6 - OTHER ADJUSTABLE ACCOUNTS**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Receipts During the Year	Payments During the Year	As at March 31, 2013	As at March 31, 2012
<b>INSTITUTE</b>					
Alumni Association	2,14,500.00	3,57,700.00	-	5,72,200.00	2,14,500.00
Bal Bharti Vidyalaya (Const of Building)	1,50,000.00	-	-	1,50,000.00	1,50,000.00
Cancelled Cheques	45,66,670.00	63,90,815.00	48,37,398.00	61,20,087.00	45,66,670.00
Examination Fees	1,33,57,014.00	-	-	1,33,57,014.00	1,33,57,014.00
Motorcycle Loan recovery		1,14,821.00	1,14,821.00	-	
House and bulding recovery employees	-	3,27,000.00	3,27,000.00	-	
Income Tax	49,369.00	2,53,28,698.00	2,53,78,067.00	-	49,369.00
L.I.C.	727.00	15,91,513.00	11,52,039.00	4,40,201.00	727.00
M.Tech (Part Time)	91,50,991.00	9,86,750.00	-	1,01,37,741.00	91,50,991.00
NCI & NICS Grant	-	-	-	-	-
NMEICT SCHEME	11,00,000.00	-	-	11,00,000.00	-
Other Liabilities (Misc. Receipt Transfer)	38,27,134.00	1,80,66,271.00	1,28,25,792.00	90,67,613.00	38,27,134.00
Pensionary Contribution	-		-	-	-
Sales Tax	28,775.00	11,92,455.00	12,21,230.00	-	28,775.00
TEQIP-I Fund	70,84,346.00	-	-	70,84,346.00	70,84,346.00
Undisbursed Cash	30,952.00	-	30,952.00	-	30,952.00
Employees contribution to C.P.F	-	7,81,493.00	7,81,493.00	-	-
Employees contribution to khadi	-	39,183.00	39,183.00	-	
Employees contribution to N.P.S		98,98,033.00	98,98,033.00	-	
GPF- contribution to employees		2,68,28,368.00	2,67,68,368.00	60,000.00	
Employees loan from SBI	-	5,40,670.00	5,40,670.00	-	
Revenue Stamp (Stamp Fees)	-	9,480.00	9,479.00	1.00	-
Recovery of car loan from employees	-	9,000.00	9,000.00	-	-
<b>SUBSIDIARIES</b>					
Alumni Association - Amount Payable	-	25,12,250.00	-	25,12,250.00	-

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Receipts During the Year	Payments During the Year	As at March 31, 2013	As at March 31, 2012
Dean Academics - Cancelled Cheques	10,000.00	-	-	10,000.00	10,000.00
Industrial Estate - Expenses Payable	-	11,236.00		11,236.00	-
Project Account - Accounting Charges Payable	10,000.00	30,000.00	25,000.00	15,000.00	10,000.00
Project Account - Income Tax	367.00	2,938.00	2,674.00	631.00	367.00
Project Account - Salary Payable	1,83,200.00	7,13,443.00	5,99,620.00	2,97,023.00	1,83,200.00
Project Account - MNNIT	-	16,20,000.00	-	16,20,000.00	-
R&C Cell - Cancelled Cheques	63,305.00	-	-	63,305.00	63,305.00
R&C Cell - Income Tax	5,12,592.00	15,07,416.00	8,91,031.00	11,28,977.00	5,12,592.00
R&C Cell - Expenses Payable	42,454.00	1,56,670.00	1,28,198.00	70,926.00	42,454.00
SNFCE - Income Tax	-	3,35,098.00	3,35,098.00	-	-
<b>TOTAL</b>	<b>3,92,82,396.00</b>	<b>9,93,51,301.00</b>	<b>8,59,15,146.00</b>	<b>5,38,18,551.00</b>	<b>3,92,82,396.00</b>

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

**SCHEDULE 7 - REFUNDABLE DEPOSITS**

Particulars	(Amount in Rs.)				
	Opening Balance as on 01/04/2012	Receipts During the Year	Payments During the Year	As at March 31, 2013	As at March 31, 2012
<b><u>INSTITUTE</u></b>					
Caution Money	1,81,47,472.00	35,08,500.00	36,90,496.00	1,79,65,476.00	1,81,47,472.00
Earnest Money/ Security Money	71,78,663.00	18,61,571.00	11,89,203.00	78,51,031.00	71,78,663.00
<b><u>SUBSIDIARIES</u></b>					
Caution Money	4,22,655.00	-	-	4,22,655.00	4,22,655.00
Earnest Money/ Security Money	2,41,404.00	-	-	2,41,404.00	2,41,404.00
Security Received (Industrial Estate)	44,354.00	-	-	44,354.00	44,354.00
<b>TOTAL</b>	2,60,34,548.00	53,70,071.00	48,79,699.00	2,65,24,920.00	2,60,34,548.00

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

**SCHEDULE 8 - SUNDRY CREDITORS**

Particulars	Opening Balance as on 01/04/2012	Receipts During the Year	Payments During the Year	Journal Entry	As at March 31, 2013	As at March 31, 2012
	(Amount in Rs.)					
<b><u>INSTITUTE</u></b>						
Loan Account of PDTC & Industrial Estate	13,106,202.00	-	-	328,956.00	13,435,158.00	13,106,202.00
<b><u>SUBSIDIARIES</u></b>						
Project Account - Transferable amount to R&C Cell	137,482.00			16,536.00	154,018.00	137,482.00
R&C Cell - Payable to RES, Bhadhoi	39,325.00	-	-	-	39,325.00	39,325.00
R&C Cell - Testing & Consultancy (Pending)	2,726,377.00	20,037,519.00	8,319,113.00	-	14,444,783.00	2,726,377.00
R&C Cell - CCB				18,296,742.39	18,296,742.39	-
R&C Cell - Unicef				308,505.00	308,505.00	-
<b>TOTAL</b>	<b>16,009,386.00</b>	<b>20,037,519.00</b>	<b>8,319,113.00</b>	<b>18,950,739.39</b>	<b>46,678,531.39</b>	<b>16,009,386.00</b>

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

**SCHEDULE 9 - PROVISIONS FOR THE YEAR**

(Amount in Rs.)

Particulars	As at March 31, 2013		As at March 31, 2012	
<b><u>Salaries &amp; Wages (U.G.):</u></b>				
Pay Direction & Teaching (U.G.)	78,43,844.00		64,34,602.00	
Pay Administrative Officer (U.G.)	2,83,205.00		3,23,400.00	
Pay Other Staff (U.G.)	28,76,380.00	1,10,03,429.00	27,48,290.00	95,06,292.00
<b><u>Salaries &amp; Wages (P.G.):</u></b>				
Pay Teaching P.G.	3,44,610.00		4,68,280.00	
Pay Other Staff (P.G.)	33,690.00	3,78,300.00	31,900.00	5,00,180.00
<b><u>Dearness Allowances:</u></b>				
Direction & Teaching (U.G.)	56,46,089.00		37,04,619.00	
Administrative Officer (U.G.)	2,03,910.00		1,85,787.00	
Other Staff (U.G.)	20,40,096.00	78,90,095.00	15,86,833.00	54,77,239.00
<b><u>HRA:</u></b>				
Direction & Teaching (U.G.)	2,77,251.00		2,30,096.00	
Administrative Officer (U.G.)	15,134.00		14,394.00	
Other Staff (U.G.)	2,97,280.00	5,89,665.00	3,09,258.00	5,53,748.00
<b><u>Transport Allowances:</u></b>				
Direction & Teaching (U.G.)	6,74,240.00		4,45,560.00	
Administrative Officer (U.G.)	25,800.00		28,440.00	
Other Staff (U.G.)	3,51,310.00	10,51,350.00	3,22,320.00	7,96,320.00
<b><u>Dearness Allowances:</u></b>				
Teaching (P.G.)	2,48,118.00		2,69,794.00	
Other Staff (P.G.)	24,257.00	2,72,375.00	18,270.00	2,88,064.00
<b><u>HRA:</u></b>				
Teaching (P.G.)	13,794.00		13,392.00	
Other Staff (P.G.)	4,508.00	18,302.00	4,164.00	17,556.00
<b><u>Transport Allowances:</u></b>				
Teaching (P.G.)	17,200.00		22,120.00	
Other Staff (P.G.)	3,440.00	20,640.00	3,160.00	25,280.00
<b><u>Family Planning Incentive Allowance</u></b>				
Direction & Teaching (P.G.)	2,280.00			
Pay Other Staff (P.G.)	400.00	2,680.00		
<b><u>Family Planning Incentive Allowance</u></b>				
Direction & Teaching (U.G.)	14,880.00			
Administrative Officer (U.G.)	550.00			
Pay Other Staff (U.G.)	4,040.00	19,470.00		

(Amount in Rs.)

Particulars	As at March 31, 2013		As at March 31, 2012	
<b><u>Washing Allowance</u></b>				
Other Staff UG	4,740.00		7,740.00	
Other Staff PG	60.00	4,800.00	60.00	7,800.00
<b><u>Special Allowance</u></b>				
Direction & Teaching (U.G.)	59,000.00			
Administrative Officer (U.G.)	2,525.00			
Pay Other Staff (U.G.)	11,280.00	72,805.00		
<b><u>Deans Honorarium</u></b>				
Direction & Teaching (P.G.)	7,000.00			
Direction & Teaching (U.G.)	14,000.00	21,000.00		
<b><u>Cash Handling Allowance</u></b>				
Other Staff UG	150.00	150.00		
<b><u>ARREARS</u></b>				
Pay Revision - Teaching/ Non Teaching		2,61,382.00		21,67,443.00
<b><u>Employees Retirement &amp; Terminal Benefits:</u></b>				
Pension Pay	26,61,913.00		29,98,988.00	
Pension Relief	22,55,816.00		17,54,224.00	
Gratuity	4,23,440.00		4,36,425.00	
Medical Allowance	1,07,100.00		1,05,900.00	
Commutated Pension Payable	2,93,411.00		3,29,203.00	
Leave Encashment on Retirement	2,56,630.00		2,64,500.00	
New Pension Scheme	6,04,597.00	66,02,907.00	3,40,901.00	62,30,141.00
C.A. Fees Payable		2,50,000.00		1,79,776.00
C.P.F. Payable		18,103.00		24,270.00
Electricity & Power Payable				
Institute	38,50,000.00		-	
Colony	4,59,852.00		-	
Hostel	21,50,000.00	64,59,852.00	-	-
Leave Encashment on LTC Other staff		15,731.00		-
Pay on Contractual Staff		50,92,678.00		26,77,830.00
Security Charges Payable		23,49,667.00		14,14,046.00
Telephone Expenses Payable		20,732.00		49,874.00
<b>TOTAL</b>		<b>4,24,16,113.00</b>		<b>2,99,15,859.00</b>



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

**SCHEDULE 10 - BUILDINGS**

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK		
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012
<b><u>Assets out of Capital Fund:</u></b>							
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 Collaboration	4,729,578.00	-	4,729,578.00	-	-	4,729,578.00	4,729,578.00
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



Hostel & Faculty Residence	-	531,901,444.00	531,901,444.00	-	-	-	531,901,444.00
Depreciation @5%	-	-	-	12,130,312.00	42,786,658.00	54,916,970.00	(12,130,312.00)
<b>Sub Total</b>	<b>106,800,829.00</b>	<b>761,062,652.00</b>	<b>867,863,481.00</b>	<b>12,130,312.00</b>	<b>42,786,658.00</b>	<b>54,916,970.00</b>	<b>94,670,517.00</b>
Assets out of Institute Receipts							
MIMS Operating Cost	31,337.00		31,337.00	-	-	-	31,337.00
Placement Charges	97,638.00	-	97,638.00	-	-	-	97,638.00
Depreciation @ 5%		-	-	21,264.00	5,386.00	26,650.00	(21,264.00)
<b>Sub Total</b>	<b>128,975.00</b>	<b>-</b>	<b>128,975.00</b>	<b>21,264.00</b>	<b>5,386.00</b>	<b>26,650.00</b>	<b>107,711.00</b>
<b>TOTAL</b>	<b>348,418,594.00</b>	<b>761,062,652.00</b>	<b>1,109,481,246.00</b>	<b>115,828,289.00</b>	<b>49,682,648.00</b>	<b>165,510,937.00</b>	<b>232,590,305.00</b>

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

**SCHEDULE 11 - PLANT, MACHINERY & EQUIPMENT**

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2012	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2013	As at March 31, 2012	
<b>Assets out of Capital Fund:</b>								
Academic Account	364,921.00	364,921.00	-	-	-	364,921.00	364,921.00	
Admission Committee (MIMS)	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	
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	

(Amount in Rs.)

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 Dept.	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
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

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	As at March 31, 2013	As at March 31, 2012
Xerox Photo Copier	133,300.00	-	133,300.00	-	-	133,300.00
Depreciation @ 13.91%	-	-	-	193,281,182.00	14,688,996.00	(193,281,182.00)
<b>Sub Total</b>	298,881,441.00	-	298,881,441.00	193,281,182.00	207,970,178.00	105,600,259.00
<b>Assets out of Deferred Government Grants:</b>						
Addition to Equipments (RBS)	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
Applied Mechanics Deptt. (P.G.)	167,444.00	-	167,444.00	-	-	167,444.00
Applied Mechanics Deptt. (U.G.)	72,177.00	21,326.00	93,503.00	-	-	72,177.00
Augmentation of Acad. & Infrastructure	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
Biotech Dept (U.G.)	14,910.00	-	14,910.00	-	-	14,910.00
Chemistry Deptt. (U.G.)	19,370.00	15,120.00	34,490.00	-	-	19,370.00
Civil Engg. Deptt. (U.G.)	56,680.00	11,550.00	68,230.00	-	-	56,680.00
Civil Engg. Deptt. (P.G.)	14,700.00	26,995.00	41,695.00	-	-	14,700.00
Computer Sc. Deptt. (U.G.)	7,275.00	-	7,275.00	-	-	7,275.00
Electrical Engg. Deptt. (U.G.)	108,474.00	-	108,474.00	-	-	108,474.00
Electronics Engg. Deptt. (U.G.)	10,688.00	12,400.00	23,088.00	-	-	10,688.00
Electronics Engg. Deptt. (P.G.)	67,760.00	-	67,760.00	-	-	67,760.00
Mechanical Engineering Department (U.G.)	93,386.00	22,080.00	115,466.00	-	-	93,386.00
Mechanical Engineering Department (P.G.)	9,775.00	-	9,775.00	-	-	9,775.00
General Utility Equipment/ Upd. & Exp of Lab.	18,736,316.00	1,142,856.69	19,879,172.69	-	-	18,736,316.00
Maint. Of Computer & Equipment	42,720.00	-	42,720.00	-	-	42,720.00
Maintenacne Institute (Lawn & Garden)	-	55,000.00	55,000.00	-	-	-
Maintenance & Repairs - Recurring (OBC)	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
Plan Grant	-	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		61,200.00	61,200.00	-	-	61,200.00	
Research Grant	961,015.00	-	961,015.00	-	-	961,015.00	961,015.00
Addition to Equipments	-	7,317,179.00	7,317,179.00	-	-	7,317,179.00	-
Depreciation @ 13.91%	-	-	-	15,964,126.00	7,798,700.00	23,762,826.00	(15,964,126.00)
<b>Sub Total</b>	<b>61,648,355.00</b>	<b>10,381,190.19</b>	<b>72,029,545.19</b>	<b>15,964,126.00</b>	<b>7,798,700.00</b>	<b>23,762,826.00</b>	<b>45,684,229.00</b>
<b>Assets out of Institute Receipts</b>							
Raw Material & Consumable of Lab	20,790.00	-	20,790.00	-	-	20,790.00	20,790.00
Utencil charges		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 @ 13.91%	-	-	-	19,651.00	18,894.00	38,545.00	(19,651.00)
<b>Sub Total</b>	<b>75,690.00</b>	<b>79,790.00</b>	<b>155,480.00</b>	<b>19,651.00</b>	<b>18,894.00</b>	<b>38,545.00</b>	<b>56,039.00</b>
<b>Assets out of Subsidiaries Fund</b>							
Dean Academic Affairs	15,380.00	-	15,380.00	-	-	15,380.00	15,380.00
Project Account	10,945,983.00	26,727,215.00	37,673,198.00	-	-	37,673,198.00	10,945,983.00
R&C Cell	1,431,220.00	-	1,431,220.00	-	-	1,431,220.00	1,431,220.00
<b>Sub Total</b>	<b>12,392,583.00</b>	<b>26,727,215.00</b>	<b>39,119,798.00</b>	<b>-</b>	<b>-</b>	<b>39,119,798.00</b>	<b>12,392,583.00</b>
<b>TOTAL</b>	<b>372,998,069.00</b>	<b>37,188,195.19</b>	<b>410,186,264.19</b>	<b>209,264,959.00</b>	<b>22,506,590.00</b>	<b>231,771,549.00</b>	<b>163,733,110.00</b>

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

**SCHEDULE 12 - OFFICE EQUIPMENT**

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2013	As at March 31, 2012
<b><u>Assets out of Capital Fund:</u></b>								
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
Updating & Expansion of Lab	462,000.00	-	462,000.00	-	-	-	462,000.00	462,000.00
Depreciation @ 13.91%	-	-	-	3,992,057.00	206,502.00	4,198,559.00	(4,198,559.00)	(3,992,057.00)
Sub Total	5,476,615.00	-	5,476,615.00	3,992,057.00	206,502.00	4,198,559.00	1,278,056.00	1,484,558.00
<b><u>Assets out of Deferred Government Grants:</u></b>								
Applied Mechanics Deptt.(P.G.)	26,324.00	6,877.00	33,201.00	-	-	-	33,201.00	26,324.00
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	1,419,069.00	6,258,049.00	7,677,118.00	-	-	7,677,118.00	1,419,069.00
Library Operating Cost	69,243.00	69,243.00	-	-	-	69,243.00	69,243.00
Maint. of Computer & Equip	297,724.00	205,262.00	502,986.00	-	-	502,986.00	297,724.00
Maintenance & 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	
Renovation of Electric System & Facilities		7,990.00	7,990.00	-	-	7,990.00	
Renovation of Building Structure		81,000.00	81,000.00	-	-	81,000.00	
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	
Training & Placement	-	10,900.00	10,900.00	-	-	10,900.00	
AMD U.G.		-	-	-	-	-	
Student Activity Centre		19,830.00	19,830.00	-	-	19,830.00	
Depreciation @ 13.91%	-	-	1,125,942.00	1,430,989.00	2,556,931.00	(2,556,931.00)	(1,125,942.00)
Sub Total	2,957,880.00	8,455,544.05	11,413,424.05	1,125,942.00	1,430,989.00	8,856,493.05	1,831,938.00
<b>Assets out of Institute Receipts</b>							
SMS/MBA/MMS Operating Cost	53,041.00	-	53,041.00	-	-	53,041.00	53,041.00
Depreciation @ 13.91%	-	-	-	9,195.00	6,099.00	(15,294.00)	(9,195.00)
Sub Total	53,041.00	-	53,041.00	9,195.00	6,099.00	37,747.00	43,846.00
<b>Assets out of Subsidiaries Fund</b>							
Dean Academic Affairs	76,070.00	-	76,070.00	-	-	76,070.00	76,070.00
Nodal Centre	62,405.00	-	62,405.00	-	-	62,405.00	62,405.00
R&C Cell	69,243.00	-	69,243.00	-	-	69,243.00	69,243.00
Student Welfare Fund	95,760.00	-	95,760.00	-	-	95,760.00	95,760.00
Sub Total	303,478.00	-	303,478.00	-	-	303,478.00	303,478.00
<b>TOTAL</b>	8,791,014.00	8,455,544.05	17,246,558.05	5,127,194.00	1,643,590.00	10,475,774.05	3,663,820.00

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

**SCHEDULE 13 - COMPUTER & PERIPHERALS**

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2013	As at March 31, 2012
Assets out of Capital Fund:								
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
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

(Amount in Rs.)

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 Lab.	129,025.00	-	-	129,025.00	-	129,025.00	129,025.00
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

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK		
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year 31, 2013	As at March 31, 2013	As at March 31, 2012
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 @ 60%	-	-	-	71,292,591.00	21,418.00	(71,314,009.00)	(71,292,591.00)
Sub Total	71,328,288.00	-	71,328,288.00	71,292,591.00	21,418.00	14,279.00	35,697.00
<b><u>Assets out of Deferred Government Grants:</u></b>							
Applied Maths & Science (U.G.)	41,940.00	-	41,940.00	-	-	41,940.00	41,940.00
Applied Mechanics Dept.(P.G.)	121,071.00	6,000.00	127,071.00	-	-	127,071.00	121,071.00
Applied Mechanics Dept.(U.G.)	62,400.00	-	62,400.00	-	-	62,400.00	62,400.00
Chemistry Deptt.	25,270.00	14,850.00	40,120.00	-	-	40,120.00	25,270.00
Civil Engg. Deptt.(P.G.)	298,540.00	10,900.00	309,440.00	-	-	309,440.00	298,540.00
Civil Engg. Deptt.(U.G.)	136,803.00	9,350.00	146,153.00	-	-	146,153.00	136,803.00
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.)	477,193.00	35,600.00	512,793.00	-	-	512,793.00	477,193.00
Computer Science Course (Stationery)	163,476.00	-	163,476.00	-	-	163,476.00	163,476.00
GIS Cell	18,690.00	14,400.00	33,090.00	-	-	33,090.00	18,690.00
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.)	246,887.00	6,850.00	253,737.00	-	-	253,737.00	246,887.00
General Utility Equipment/ Upd.& Expa.of Lab.	20,413,769.00	10,539,858.40	30,953,627.40	-	-	30,953,627.40	20,413,769.00
Humanities Deptt.	66,200.00	62,000.00	128,200.00	-	-	128,200.00	66,200.00
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	129,086.00	6,615.00	135,701.00	-	-	135,701.00	129,086.00

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.)	181,382.00	238,401.00	419,783.00	-	-	-	419,783.00	181,382.00
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	-
Plan Grant	-	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	-
NCI & NICSIGrant	-	829,779.00	829,779.00	-	-	-	829,779.00	-
SMS/MBA Op. cost	-	58,710.00	58,710.00	-	-	-	58,710.00	-
Renovation of Building Structure	-	50,325.90	50,325.90	-	-	-	50,325.90	-
Student Activity Centre	-	101,355.00	101,355.00	-	-	-	101,355.00	-
AMD U.G. - Capital (Computer & peripheral)	-	22,028.00	22,028.00	-	-	-	22,028.00	-
Utencil charges	-	13,000.00	13,000.00	-	-	-	13,000.00	-
M/R Maintenance of vehicles	-	11,130.00	11,130.00	-	-	-	11,130.00	-
Physics Deptt.	43,952.00	-	43,952.00	-	-	-	43,952.00	43,952.00
Depreciation @ 60%	-	-	-	-	56,634,338.00	16,526,726.00	73,161,064.00	(56,634,338.00)
Sub Total	67,436,796.00	16,742,084.90	84,178,880.90	56,634,338.00	16,526,726.00	73,161,064.00	11,017,816.90	10,802,458.00
<b><u>Assets out of Institute Receipts</u></b>								
Computer Stationery Charges	349,773.00	138,600.00	488,373.00	-	-	-	488,373.00	349,773.00
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
Depreciation @ 60%	-	-	-	-	1,099,802.00	138,902.00	1,238,704.00	(1,099,802.00)
Sub Total	1,192,705.00	138,600.00	1,331,305.00	1,099,802.00	138,902.00	1,238,704.00	92,601.00	92,903.00
<b><u>Assets out of Subsidiaries Fund</u></b>								
Alumni Association	9,293.00	7,500.00	16,793.00	-	-	-	16,793.00	9,293.00

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK		
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012
Dean Academic Affairs	34,500.00	-	34,500.00	-	-	34,500.00	34,500.00
Industrial Estate	-	43,877.00	43,877.00	-	-	43,877.00	-
Nodal Centre	85,306.00	-	85,306.00	-	-	85,306.00	85,306.00
Project Account	6,004,858.00	444,097.00	6,448,955.00	-	-	6,448,955.00	6,004,858.00
R&C Cell	16,915.00	7,311,382.00	7,328,297.00	-	-	7,328,297.00	16,915.00
Sub Total	6,150,872.00	7,806,856.00	13,957,728.00	-	-	13,957,728.00	6,150,872.00
TOTAL	146,108,661.00	24,687,540.90	170,796,201.90	129,026,731.00	16,687,046.00	145,713,777.00	17,081,930.00

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

**SCHEDULE 14 - OTHER FIXED ASSETS**

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION		NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012
<b><u>Assets out of Capital Fund:</u></b>							
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
Elect. Engg. Department(PG)	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
Mech. Engg. Department (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 @ 13.91%	-	-	-	11,255,076.00	422,041.00	11,677,117.00	(11,255,076.00)
Sub Total	14,289,162.00	-	14,289,162.00	11,255,076.00	422,041.00	2,612,045.00	3,034,086.00
<b><u>Assets out of Deferred Government Grants:</u></b>							
Applied Mechanics Dept. (P.G.)	44,837.00	-	44,837.00	-	-	44,837.00	44,837.00
Applied Mechanics Dept. (U.G.)	56,525.00	20,737.00	77,262.00	-	-	77,262.00	56,525.00
B.O.G. & Other Meetings	6,165.00	-	6,165.00	-	-	6,165.00	6,165.00

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012	As at March 31, 2012
Chemistry Deptt	33,825.00	-	33,825.00	-	-	-	-	33,825.00
Civil Engg. Department (U.G)	-	45,121.50	45,121.50	-	-	-	-	45,121.50
Civil Engg. Department (P.G.)	9,030.00	-	9,030.00	-	-	-	-	9,030.00
Computer Center	23,760.00	-	23,760.00	-	-	-	-	23,760.00
Computer Sc. Deptt. UG	44,946.00	-	44,946.00	-	-	-	-	44,946.00
Computer Sc. Engg. Deptt (P.G.)	19,260.00	-	19,260.00	-	-	-	-	19,260.00
Computer Science Course (Stationery)	23,452.00	-	23,452.00	-	-	-	-	23,452.00
Development of Lawn & Gardens	63,046.00	-	63,046.00	-	-	-	-	63,046.00
Electronics Engg. Deptt (P.G.)	11,250.00	-	11,250.00	-	-	-	-	11,250.00
General Utility Equipment	792,209.00	1,002,994.10	1,795,203.10	-	-	-	-	1,795,203.10
Landscaping & Gardening	134,432.00	15,750.00	150,182.00	-	-	-	-	150,182.00
Library Operating Cost	-	12,400.00	12,400.00	-	-	-	-	12,400.00
M/R Institute Building & Road	32,000.00	35,090.00	67,090.00	-	-	-	-	67,090.00
Maint. & Rep. Hostel - Building & Road	113,882.00	-	113,882.00	-	-	-	-	113,882.00
Maint. Of Computer & Equipment	190,914.00	-	190,914.00	-	-	-	-	190,914.00
Maintenance & Repairs - Recurring (OBC)	271,409.00	-	271,409.00	-	-	-	-	271,409.00
MCA Operating Cost	101,797.00	-	101,797.00	-	-	-	-	101,797.00
Mech. Engg. Department (U.G.)	207,565.00	-	207,565.00	-	-	-	-	207,565.00
MED Workshop	9,980.00	-	9,980.00	-	-	-	-	9,980.00
OBC Plan Grant	1,769,904.00	-	1,769,904.00	-	-	-	-	1,769,904.00
OBC Plan Grant	-	239,660.00	239,660.00	-	-	-	-	239,660.00
Renovation of Building Structure	331,880.00	757,632.00	1,089,512.00	-	-	-	-	1,089,512.00
Renovation of Electrical System & Facilities	23,400.00	-	23,400.00	-	-	-	-	23,400.00
Research Grant	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	
Student Activity Center	-	24,964.00	24,964.00	-	-	-	24,964.00	
Depreciation @ 13.91%	-	-	1,474,142.00	714,009.00	2,188,151.00	(2,188,151.00)	(1,474,142.00)	
<b>Sub Total</b>	<b>4,412,573.00</b>	<b>2,194,631.60</b>	<b>6,607,204.60</b>	<b>714,009.00</b>	<b>2,188,151.00</b>	<b>4,419,053.60</b>	<b>2,938,431.00</b>	
<b>Assets out of Institute Receipts</b>								
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 @ 13.91%	-	-	70,535.00	9,257.00	79,792.00	(79,792.00)	(70,535.00)	
<b>Sub Total</b>	<b>137,087.00</b>	<b>-</b>	<b>137,087.00</b>	<b>9,257.00</b>	<b>79,792.00</b>	<b>57,295.00</b>	<b>66,552.00</b>	
<b>Assets out of Subsidiaries Fund</b>								
Student Welfare Fund	1,015,359.00	-	1,015,359.00	-	-	-	1,015,359.00	1,015,359.00
<b>Sub Total</b>	<b>1,015,359.00</b>	<b>-</b>	<b>1,015,359.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,015,359.00</b>	<b>1,015,359.00</b>
<b>TOTAL</b>	<b>19,854,181.00</b>	<b>2,194,631.60</b>	<b>22,048,812.60</b>	<b>1,145,307.00</b>	<b>13,945,060.00</b>	<b>8,103,752.60</b>	<b>7,054,428.00</b>	

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

**SCHEDULE 15 - ELECTRIC INSTALLATIONS**

DESCRIPTION	GROSS BLOCK			DEPRECIATION		NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	As at March 31, 2013	As at March 31, 2013	As at March 31, 2012
					Depreciation during the year		(Amount in Rs.)
<b>Assets out of Capital Fund:</b>							
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
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 @ 13.91%	-	-	-	4,432,277.00	310,428.00	-	4,742,705.00	(4,742,705.00)	(4,432,277.00)
Sub Total	6,663,970.00	-	6,663,970.00	4,432,277.00	310,428.00	4,742,705.00	1,921,265.00	2,231,693.00	

**Assets out of Deferred Government**

**Grants:**

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 Deptt. (P.G.)	97,688.00	-	97,688.00	-	-	-	97,688.00	97,688.00	
Applied Mechanics Deptt. (U.G.)	113,587.00	13,493.00	127,080.00	-	-	-	127,080.00	113,587.00	
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.)	33,525.00	11,445.00	44,970.00	-	-	-	44,970.00	33,525.00	
Computer Sc. Deptt. (U.G.)	18,601.00	-	18,601.00	-	-	-	18,601.00	18,601.00	
Computer Science Course Stationary	23,950.00	-	23,950.00	-	-	-	23,950.00	23,950.00	
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	8,359,219.00	1,306,465.00	9,665,684.00	-	-	-	9,665,684.00	8,359,219.00	
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.)	59,280.00	12,576.00	71,856.00	-	-	-	71,856.00	59,280.00	
MED Workshop-UG	5,500.00	-	5,500.00	-	-	-	5,500.00	5,500.00	
OBC Plan Grant	21,943,817.00	2,508,560.00	24,452,377.00	-	-	-	24,452,377.00	21,943,817.00	

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION		NET BLOCK
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	As at March 31, 2013	As at March 31, 2012
Plan Grant	-	1,983,494.00	1,983,494.00	-	-	-
Physics Deptt. (U.G.)	13,500.00	-	13,500.00	-	-	13,500.00
Production Engg. Deptt. (U.G.)	51,000.00	-	51,000.00	-	-	51,000.00
Renovation of Building Structure		4,554,000.00	4,554,000.00	-	-	4,554,000.00
Renovation of Electrical System & Facilities	32,537,926.00	-	32,537,926.00	-	-	32,537,926.00
Research Grant	103,811.00	-	103,811.00	-	-	103,811.00
Depreciation @ 13.91%	-	-	-	26,503,383.00	8,968,118.00	(35,471,501.00)
Sub Total	80,585,805.00	10,390,033.00	90,975,838.00	26,503,383.00	8,968,118.00	55,504,337.00
<b>Assets out of Institute Receipts</b>						
Computer Stationery Charges	108,200.00	-	108,200.00	-	-	108,200.00
MMS Operating Cost	19,900.00	-	19,900.00	-	-	19,900.00
Placement Charges	99,000.00	-	99,000.00	-	-	99,000.00
Depreciation @ 13.91%	-	-	-	96,955.00	18,103.00	(115,058.00)
Sub Total	227,100.00	-	227,100.00	96,955.00	18,103.00	112,042.00
Assets out of Subsidiaries Fund						
Project Account	270,254.00	92,017.00	362,271.00	-	-	362,271.00
R&C Cell	18,775.00	-	18,775.00	-	-	18,775.00
Student Welfare Fund	123,920.00	-	123,920.00	-	-	123,920.00
Sub Total	412,949.00	92,017.00	504,966.00	-	-	504,966.00
<b>TOTAL</b>	<b>87,889,824.00</b>	<b>10,482,050.00</b>	<b>98,371,874.00</b>	<b>31,032,615.00</b>	<b>9,296,649.00</b>	<b>58,042,610.00</b>
						<b>56,857,209.00</b>

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

**SCHEDULE 16 - VEHICLES**

DESCRIPTION	GROSS BLOCK			DEPRECIATION		NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions) 2013	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, As at March 31, 2013 2012	As at March 31, 2013
<b><u>Assets out of Capital Fund:</u></b>							
Admission Committee	29,996.00	-	29,996.00	-	-	-	29,996.00
Cycle	850.00	-	850.00	-	-	-	850.00
Industrial Estate (Cycle)	550.00	-	550.00	-	-	-	550.00
Maint. & Rep.Institute -- Building & Road	4,740.00	-	4,740.00	-	-	-	4,740.00
Student Welfare Fund	300,359.00	-	300,359.00	-	-	-	300,359.00
Vehicle	4,097,962.00	-	4,097,962.00	-	-	-	4,097,962.00
Depreciation @ 13.91%	-	-	-	3,264,559.00	162,733.00	3,427,292.00	(3,264,559.00)
Sub Total	4,434,457.00	-	4,434,457.00	3,264,559.00	162,733.00	3,427,292.00	1,007,165.00
<b><u>Assets out of Deferred Government Grants:</u></b>							
General Utility Equipment	698,071.00	-	698,071.00	-	-	-	698,071.00
Landscaping & Gardening	842,284.00	-	842,284.00	-	-	-	842,284.00
Depreciation @ 13.91%	-	-	-	557,523.00	136,712.00	694,235.00	(557,523.00)
Sub Total	1,540,355.00	-	1,540,355.00	557,523.00	136,712.00	694,235.00	846,120.00
<b>TOTAL</b>	<b>5,974,812.00</b>	<b>-</b>	<b>5,974,812.00</b>	<b>3,822,082.00</b>	<b>299,445.00</b>	<b>4,121,527.00</b>	<b>1,853,285.00</b>
							<b>2,152,730.00</b>

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

**SCHEDULE 17 - FURNITURE & FIXTURES**

DESCRIPTION	GROSS BLOCK			DEPRECIATION		NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012
<b><u>Assets out of Capital Fund:</u></b>							
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(MMS)	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
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
M/R Colony Building	13,800.00	-	-	-	-	-	-	13,800.00	13,800.00
M/R Colony Furniture	10,000.00	-	-	-	-	-	-	10,000.00	10,000.00
M/R Hostel Furniture	5,002.00	-	-	-	-	-	-	5,002.00	5,002.00
M/R Institute Building	83,550.00	-	-	-	-	-	-	83,550.00	83,550.00
M/R Institute Furniture	92,705.00	-	-	-	-	-	-	92,705.00	92,705.00
Main. of Computer & Equip.	218,400.00	-	-	-	-	-	-	218,400.00	218,400.00
Mechanical Engg. Deptt(UG)	32,961.00	-	-	-	-	-	-	32,961.00	32,961.00
Misc. Exp. of Guest House (User)	102,612.00	-	-	-	-	-	-	102,612.00	102,612.00
MMS -Operating Cost	15,900.00	-	-	-	-	-	-	15,900.00	15,900.00
Nodal Centre	35,811.00	-	-	-	-	-	-	35,811.00	35,811.00
Nodal Centre	9,386.00	-	-	-	-	-	-	9,386.00	9,386.00
Parameter Milling	12,134.00	-	-	-	-	-	-	12,134.00	12,134.00
Placement Charges	232,060.00	-	-	-	-	-	-	232,060.00	232,060.00
Plan - Furniture	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
Product Dev. & Training Centre	1,980.00	-	-	-	-	-	-	1,980.00	1,980.00
Project Account	9,136.00	-	-	-	-	-	-	9,136.00	9,136.00
Q.I.P. Poly	78,000.00	-	-	-	-	-	-	78,000.00	78,000.00
Reek-British Uty. Colabor.	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
SC/ST Exams Training Centre	21,439.00	-	-	-	-	-	-	21,439.00	21,439.00
School of Non Formal Continuing	3,590.00	-	-	-	-	-	-	3,590.00	3,590.00
Soil Exploration & F.D. Centre	9,610.00	-	-	-	-	-	-	9,610.00	9,610.00
Student Club	79,350.00	-	-	-	-	-	-	79,350.00	79,350.00
Text Book Lending Bank	24,933.00	-	-	-	-	-	-	24,933.00	24,933.00
Depreciation @ 18.10%	-	-	-	41,246,532.00	2,042,314.00	43,288,846.00	-	(43,288,846.00)	(41,246,532.00)
Sub Total	52,530,034.00	-	-	52,530,034.00	2,042,314.00	43,288,846.00	-	9,241,188.00	11,283,502.00

**Assets out of Deferred Government Grants:**

Applied Mechanics Deptt. (P.G.)	36,575.00	-	-	-	-	-	-	36,575.00	36,575.00
---------------------------------	-----------	---	---	---	---	---	---	-----------	-----------

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK				DEPRECIATION			NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions)	As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012	As at March 31, 2013	As at March 31, 2012
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
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	395,337.00	292,494.00	687,831.00	-	-	-	-	687,831.00	395,337.00
Information & Technology (U.G.)	24,328.00	-	24,328.00	-	-	-	-	24,328.00	24,328.00
M/R Colony Furniture	27,633.00	44,833.00	72,466.00	-	-	-	-	72,466.00	27,633.00
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
Main. 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	-
Physics Deptt. (U.G.)	35,753.00	-	35,753.00	-	-	-	-	35,753.00	35,753.00
Plan - Furniture	14,559,138.00	13,883,642.00	28,442,780.00	-	-	-	-	28,442,780.00	14,559,138.00
Renovation of Building Structure	3,424,238.00	621,786.00	4,046,024.00	-	-	-	-	4,046,024.00	3,424,238.00



Renovation of Electric System	-	57,500.00	57,500.00	-	-	-	57,500.00
Research Grant	39,637.00	-	39,637.00	-	-	-	39,637.00
Mechanical Engg. Deptt(UG)	-	35,000.00	35,000.00	-	-	-	35,000.00
Student Activity Centre	-	169,534.00	169,534.00	-	-	-	169,534.00
Depreciation @ 18.10%	-	-	-	12,425,212.00	6,220,794.00	18,646,006.00	(12,425,212.00)
<b>Sub Total</b>	<b>31,626,448.00</b>	<b>15,167,789.00</b>	<b>46,794,237.00</b>	<b>12,425,212.00</b>	<b>6,220,794.00</b>	<b>18,646,006.00</b>	<b>19,201,236.00</b>
<b><u>Assets out of Institute Receipts</u></b>							
Computer Stationery Charges	265,660.00	49,399.00	315,059.00	-	-	-	265,660.00
MMS/MBA Operating Cost	268,543.00	-	268,543.00	-	-	-	268,543.00
Placement Charges	141,457.00	-	141,457.00	-	-	-	141,457.00
Raw Marterial & Consumables of Lab	25,117.00	-	25,117.00	-	-	-	25,117.00
Depreciation @ 18.10%	-	-	-	253,166.00	89,959.00	343,125.00	(253,166.00)
<b>Sub Total</b>	<b>700,777.00</b>	<b>49,399.00</b>	<b>750,176.00</b>	<b>253,166.00</b>	<b>89,959.00</b>	<b>343,125.00</b>	<b>447,611.00</b>
<b><u>Assets out of Subsidiaries Fund</u></b>							
Project Account	205,692.00	80,905.00	286,597.00	-	-	-	205,692.00
R&C Cell	-	13,847.00	13,847.00	-	-	-	13,847.00
<b>Sub Total</b>	<b>205,692.00</b>	<b>94,752.00</b>	<b>300,444.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>205,692.00</b>
<b>TOTAL</b>	<b>85,062,951.00</b>	<b>15,311,940.00</b>	<b>100,374,891.00</b>	<b>53,924,910.00</b>	<b>8,353,067.00</b>	<b>62,277,977.00</b>	<b>31,138,041.00</b>

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

**SCHEDULE 18 - LIBRARY BOOKS**

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2012	Additions/ (Deductions) As at March 31, 2013	As at April 01, 2012	Depreciation during the year	As at March 31, 2013	As at March 31, 2012
<b><u>Assets out of Capital Fund:</u></b>						
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
Structural Testing & Designing Centre	1,478.00	-	1,478.00	-	1,478.00	1,478.00
Depreciation @ 60%	-	-	51,349,503.00	849,136.00	52,198,639.00	(51,349,503.00)
Sub Total	52,764,729.00	-	52,764,729.00	849,136.00	52,198,639.00	1,415,226.00
<b><u>Assets out of Deferred Government Grants:</u></b>						
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	1,914,897.00	4,275,588.00	6,190,485.00	-	6,190,485.00	1,914,897.00
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	
Addition to library books and journals	17,530,448.00	17,530,448.00	-	-	-	17,530,448.00	-
Depreciation @ 60%	-	48,462,106.00	18,611,566.00	67,073,672.00	(67,073,672.00)	(48,462,106.00)	
Sub Total	57,247,084.00	22,234,298.00	79,481,382.00	18,611,566.00	67,073,672.00	12,407,710.00	8,784,978.00
<b><u>Assets out of Institute Receipts</u></b>							
Library Fee	3,089,680.00	-	3,089,680.00	-	-	3,089,680.00	3,089,680.00
Depreciation @ 60%	-	-	2,959,866.00	77,888.00	3,037,754.00	(3,037,754.00)	(2,959,866.00)
Sub Total	3,089,680.00	-	3,089,680.00	77,888.00	3,037,754.00	51,926.00	129,814.00
<b><u>Assets out of Subsidiaries Fund</u></b>							
Project Account	285,497.00	376,732.00	662,229.00	-	-	662,229.00	285,497.00
TEQIP	995,352.00	995,352.00	-	-	-	995,352.00	995,352.00
Sub Total	1,280,849.00	376,732.00	1,657,581.00	-	-	1,657,581.00	1,280,849.00
<b>TOTAL</b>	<b>114,382,342.00</b>	<b>22,611,030.00</b>	<b>136,993,372.00</b>	<b>19,538,590.00</b>	<b>122,310,065.00</b>	<b>14,683,307.00</b>	<b>11,610,867.00</b>

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

**SCHEDULE 19 - LOAN & ADVANCES ACCOUNT**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Advances given during the Current Year 2012-13	Advances Adjusted during the Current Year 2012-13	Journal Entry Adjustments	As at March 31, 2013	As at March 31, 2012
<b><u>LOAN:</u></b>						
<b><u>INSTITUTE:</u></b>						
Imprest earlier years	806,930.00	-	-	-	806,930.00	806,930.00
Temporary Staff Advances (Sch. 19.1)	6,281,679.00	16,183,872.00	12,411,736.00	-	10,053,815.00	6,281,679.00
Permanent Imprest (Sch. 19.2)	294,470.00	167,735.00	121,205.00	-	341,000.00	294,470.00
Interest recoverable from GPF	970,000.00	-	-	-	970,000.00	970,000.00
Science City- Recoverable Expense	72,975.00	19,350.00	-	-	92,325.00	72,975.00
CCB Fund	69,385.00	-	-	-	69,385.00	69,385.00
LC Debit on account R&C	-	14,981,327.00	-	-	14,981,327.00	-
NPS Payment	-	499,260.00	-	-	499,260.00	-
<b>Sub Total</b>	<b>8,495,439.00</b>	<b>31,851,544.00</b>	<b>12,532,941.00</b>	<b>-</b>	<b>27,814,042.00</b>	<b>8,495,439.00</b>
<b><u>SUBSIDIARY FUNDS:</u></b>						
Alumni Association - Advance & Imprest	15,000.00	-	-	-	15,000.00	15,000.00
Dean Academics - Advances	128,750.00	443,400.00	372,150.00	-	200,000.00	128,750.00
Miscellaneous Advances	806,501.00	-	-	-	806,501.00	806,501.00
Nodal Centre (NTMIS)	500.00	-	500.00	-	-	500.00
Project Account - Advance & Imprest	657,736.00	1,089,021.00	1,301,803.00	-	444,954.00	657,736.00
Project Account - Amount Receivable from R&C Cell	-	-	-	-	-	-
R&C Cell - Advances & Imprest	394,024.00	1,368,027.00	760,973.00	-	1,001,078.00	394,024.00
R&C Cell - Receivable against Uncleared Cheque	11,650.00	-	-	-	11,650.00	11,650.00

R&C Cell - Receivable from Project Account	137,482.00	308,036.00	291,500.00	-	154,018.00	137,482.00
R&C Cell - Loan/Cont. to GPF A/c towards Interest	7,800,000.00	-	-	-	7,800,000.00	7,800,000.00
SC/ST Pre Exam Training Centre	-	-	-	-	-	-
SNFCE - Advance & Imprest	-	25,000.00	25,000.00	-	-	-
SNFCE - Receivable against FDP	1,486,074.00	-	-	-	1,486,074.00	1,486,074.00
Student Welfare Fund - Advance	72,807.00	-	-	-	72,807.00	72,807.00
Student Welfare Fund - LIC	37,636.00	-	-	-	37,636.00	37,636.00
TEQIP - Advances Recoverable	506,794.00	-	-	-	506,794.00	-
<b>Sub Total</b>	<b>12,054,954.00</b>	<b>3,233,484.00</b>	<b>2,751,926.00</b>	<b>-</b>	<b>12,536,512.00</b>	<b>11,548,160.00</b>
<b>OTHERS:</b>						
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
<b>Sub Total</b>	<b>342,000.00</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>342,000.00</b>	<b>342,000.00</b>
<b>SUB TOTAL (A)</b>	<b>20,892,393.00</b>	<b>35,085,028.00</b>	<b>15,284,867.00</b>	<b>-</b>	<b>40,692,554.00</b>	<b>20,385,599.00</b>
<b>ADVANCES - ON CAPITAL ACCOUNT:</b>						
Pending Adjustment with Contractors (Earlier years)	45,705.00	-	-	-	45,705.00	45,705.00
Advances for Fixed Assets & Revenue Expenses (Sch. 19.3)	139,725,469.00	9,830,178.00	79,621,783.00	-	69,933,864.00	139,725,469.00
<b>SUB TOTAL (B)</b>	<b>139,771,174.00</b>	<b>9,830,178.00</b>	<b>79,621,783.00</b>	<b>-</b>	<b>69,979,569.00</b>	<b>139,771,174.00</b>
<b>GRAND TOTAL (A+B)</b>	<b>160,156,773.00</b>	<b>44,915,206.00</b>	<b>94,906,650.00</b>	<b>-</b>	<b>110,672,123.00</b>	<b>160,156,773.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
GROUPINGS FORMING PART OF THE SCHEDULES TO THE BALANCE SHEET**

**Temporary Advances to Employees (Sch 19.1)**

(Amount in Rs.)

Sl.No.	Particulars	Closing Balance as on 31/03/2013
1	Sri Akshay Ranjan Paul	7,750.00
2	Sri Anil Kumar	40,700.00
3	Sri Arvind Kumar	59,460.00
4	Sri Bechan Ram	5,020.00
5	Sri Brijesh Kumar	452.00
6	Sri Devi Prasad Pant	79,998.00
7	Election Advance	117,000.00
8	Festival Advance To Staff	4,119,700.00
9	Dr. G.P. Sahu	54,853.00
10	House Building & Vehicle Advance	1,001,086.00
11	Sri Jyotsna Sinha	144,000.00
12	Dr. Manisha Sachan	8,040.00
13	Sri Mukesh Kumar	16,850.00
14	Sri Nitin Singh	173,680.00
15	Dr. Paulson Samuel	150,000.00
16	Dr. Piyali Ghosh, Lect	19,996.00
17	Dr. Priyaranjan Pal	(2,840.00)
18	Sri Purushottam Lal	605.00
19	Dr. R.K. Singh	6,000.00
20	Dr. Raj Mohan Singh	41,602.00
21	Dr. Rajeev Tripathi	253,888.00
22	Dr. Rajesh Kumar Shastri	119,897.00
23	Dr. Rakesh Kumar	2,426.00
24	Sri R.K. Sharma	52,000.00
25	Sri R.K. Verma	54.00
26	Sri Rabindra Kr. Patel	24,172.00
27	Sri Rajeev Srivastava	6,955.00
28	Sri Ramesh Kr. Tripathi	3,200.00
29	Sri Ritesh Kumar Sahu	18,479.00
30	Dr. S.N. Pandey	85,350.00
31	Dr. Sahadeo Padhey	85,868.00
32	Dr. Shivesh Sharma	(29,100.00)
33	Dr. Sunita Agrawal	13,956.00
34	Smt. Sweta Ranjan	75,984.00
35	Sri S.K. Mishra	173,800.00

(Amount in Rs.)

Sl.No.	Particulars	Closing Balance as on 31/03/2013
36	Sri S.K. Sen	9,324.00
37	Sri Samir Saraswati	2,000.00
38	Sri Sanjay Singh	46,906.00
39	Sri Sanjay Yadav	22,640.00
40	Sri Satanand Yadav	85,568.00
41	Sri Sumedha Chakma	126,159.00
42	Dr. Tripti Singh	36,684.00
43	Dr. K.M. Gupta	22,407.00
44	M.Siraj Alam	118,000.00
45	Dr. Vishnu Agrawal	110,000.00
46	Sri Avanish Kr Dubey	56,863.00
47	Sri Vijay Pal	368,625.00
48	Sri Abdul Shamim	14,500.00
49	Jagan Nath (lalloo)	(600.00)
50	Moti Lal	8,000.00
51	Sarvesh Tiwari	71,888.00
52	Vinay Kumar Srivastava	79,900.00
53	Sri S.P.Verma,PTI	75,999.00
54	Sri Sanjeev Rai	59,400.00
55	Sri Ambalika Sinha	79,200.00
56	Dr. Dinesh Chandra, Prof	80,018.00
57	Dr. R.K. Srivastava	10,069.00
58	Sri Shyam Babu	5,000.00
59	Sri Ganga Prasad	20,000.00
60	Dr. Rakesh Mathur	86,400.00
61	Shyam Lal Yadav	2,800.00
62	Mewa Lal Yadav	15,700.00
63	Peeush Ranjan Agarwal	31,671.00
64	Dr. Gautam Ghosh	90,000.00
65	Amar Singh	9,850.00
66	Dr. Vibhuti Tripathi	19,384.00
67	Shobh Nath	2,000.00
68	Dr. Asim Mukherjee	86,390.00
69	Sri Pitam Singh	146,400.00
70	Ravi Prakash (Associate Proff.) MED	116,000.00
71	Dr. Geetika	64,927.00
72	Nekram Rawal	81,475.00
73	Lal bahadur Maurya	3,100.00
74	N.D. Pandey, Prof.	85,000.00

(Amount in Rs.)

Sl.No.	Particulars	Closing Balance as on 31/03/2013
75	Surya Narayan B Mishra	8,440.00
76	Sri Anuj jain	107,947.00
77	Vinod Kr Mishra	86,400.00
78	Niroj Banerjee	34,600.00
79	L.K. Mishra	20,500.00
80	P.K. Mishra, Prof	122,400.00
81	Mayank Pandey	10,000.00
82	Sri Trivikarma	166,000.00
83	Sri Srikant	124,200.00
84	Hasnain Ahamad	82,800.00
85	Ravi Prakash (AMD)	10,000.00
<b>Total</b>		<b>10,053,815.00</b>



**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
GROUPINGS FORMING PART OF THE SCHEDULES TO THE BALANCE SHEET**

**Permanent Imprest to Employees (Sch 19.2)**

		(Amount in Rs.)
Sl.No.	Particulars	Closing Balance as on 31/03/2013
1	Dr. Asheesh Kr. Singh FIP	15,000.00
2	Dr. Asheesh Kr. Singh, O/c EDC	17,000.00
3	Sri A.K Singh Prof CED	5,000.00
4	Sri A.K. Singh, AE(E)	10,000.00
5	Sri A.K. Srivastava, AE(M)	5,000.00
6	Sri Abhay Raj Singh, Hort. Asstt.	5,000.00
7	Sri Asim Mukherjee	2,000.00
8	Sri B.D. Tripathi	10,000.00
9	Dr. Deepesh Tiwari, III Cell	2,000.00
10	Dr. K.K Shukla Proff. (Chief Proctor)	2,000.00
11	Dr. K.K Shukla Proff. (HAMD)	15,000.00
12	Dr. K.N. Pandey O.C Vehicle	10,000.00
13	Sri K.K. Shukla U.D.C	5,000.00
14	Dr. M.M. Gore	5,000.00
15	Dr. Nirjhar Roy HMED	15,000.00
16	Dr P.K. Mishra, Prof	5,000.00
17	Dr. Piyali Ghosh	2,000.00
18	Dr. R.K Srivastava, Dean, P&D	5,000.00
19	Dr. R.K. Singh, President SAC	4,000.00
20	Dr. R.M Singh	2,000.00
21	Dr. R.P Tiwari A/P AMD	2,000.00
22	Dr. R.P Tiwari Prof & Head	10,000.00
23	Dr. Rajeev Tripathi, Dean Academic (Prof. T & P)	10,000.00
24	Sri R.K. Sharma, JE	3,000.00
25	Dr. Rajeev Tripathi, Head Electronics	10,000.00
26	Dr. Sanjay Chaubey	7,000.00
27	Dr. Shailendra Kumar Mishra M/O	15,000.00
28	Dr. Shiv Dutt Kumar - Mathematics Deptt	10,000.00
29	Smt. Shweta Ranjan - Director Office	15,000.00
30	Sri S.K.Tiwari, Librarian	14,000.00
31	Shree S.P. Verma	2,000.00
32	Sri Sarvesh Kumar Tiwari, (PIO)	2,000.00

(Amount in Rs.)

Sl.No.	Particulars	Closing Balance as on 31/03/2013
33	Dr. S.J Pawar A/P	2,000.00
34	Sri U.S.Sharma, Dy. Registrar (A/cs)	25,000.00
35	Mukesh Kumar, Warden, Raman Hostel	2,000.00
36	Rakesh Kumar	2,000.00
37	P.K.Dutta	10,000.00
38	L.K. Mishra	5,000.00
39	Suneeta Agarwal	10,000.00
40	Sumedha Chakma	2,000.00
41	Mayank Pandey	2,000.00
42	Shivesh sharma	30,000.00
43	V.K Srivastava	10,000.00
	<b>Total</b>	<b>341,000.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
GROUPINGS FORMING PART OF THE SCHEDULES TO THE BALANCE SHEET**

**Advances for Fixed Assets & Revenue Expenses (Sch 19.3)**

		(Amount in Rs.)
Sl.No.	Particulars	Closing Balance
1	Anjali Electronics, Alld	8,100.00
2	Bombay Machinery, Allahabad	14,490.00
3	Comcare Enterprises, Allahabad	147,022.00
4	Chemico Instruments P. Ltd. ND	7,000.00
5	Carrier Air con Ltd., Daman	43,346.00
6	Elite Furniture, Allahabad	423,162.00
7	EDS Technologies, Banglore	110,000.00
8	Autometer Alliance Ltd., Noida	68,360.00
9	Total Presentation Devices (P) Ltd. , ND	168,000.00
10	Richa Medical Agencies, Alld	(21.00)
11	Point Stationery, Alld	13,189.00
12	Indian Institute of Foreign Trade, Delhi	14,935.00
13	Indian Oil Corporation, Allahabad	10,962.00
14	Jamuna Marketing P. Ltd.	187,034.00
15	Lab India Instrument, Thane	11,703.00
16	Lalji Enterprises, Allahabad	5,000.00
17	Sciencetech Technologies Pvt. Ltd. , ND	9,208.00
18	Bhargava Engg. Works Ltd.	60,800.00
19	HCL Infosystems Ltd., Pondicherry	460,634.00
20	Tritech Enterprises, Allahabad	87,903.00
21	Matra Distributor, Kanpur	6,615.00
22	Minimax Electronics, Bangalore	13,208.00
23	Mack Electrical & Equipment, Nasik	65,350.00
24	Pericom Systems, Alld	175,620.00
25	Ranial Graphics, Alld	92,388.00
26	Sharda Enterprises, Allahabad	303,290.00
27	Shivam Paints, Allahabad	35,696.00
28	Surgico Medicare Agency, Alld	6,250.00
29	Prayag Electric Co., Alld	5,625.00
30	Quartz Marketing Systems, Knp	108,061.00
31	Project Officer Neda, Alld	135,143.00
32	S.R.K. Systems, Alld	5,600.00

(Amount in Rs.)

Sl.No.	Particulars	Closing Balance
33	Jay Pee Cement, Alld	34,500.00
34	Sahani Refrigeration, Allahabad	78,690.00
35	Shaan Traders, Alld	129,736.00
36	Tele Links, Alld	7,065.00
37	Bhushan & Bhushan , Delhi	125,928.00
38	Peco Cooling Towers, New Delhi	213,390.00
39	Batra Electronic Cottage, Alld	23,490.00
40	Gaur Electricals, Alld	68,580.00
41	S.N. Aqua Systems, Delhi	69,360.00
42	Hydraulic Engg.Instrument, Delhi	280,155.00
43	Prism Cement, Alld	147,400.00
44	Voltas Ltd., Lucknow	534,232.00
45	Rites Ltd., Gurgaon	40,781,306.00
46	Rai & Co. Alld	120,697.00
47	Versatile Constructions, Allahabad	2,422,000.00
48	F.A. & CAO N Rly, New Delhi	22,112,506.00
49	M/S Bhargav Tyres	(18,844.00)
	Total	69,933,864.00

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

**SCHEDULE 20 - RECOVERABLE DEPOSITS**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Payments During the Year	Receipts During the Year	As at March 31, 2013	As at March 31, 2012
<b>INSTITUTE</b>					
G.I. for Students	820,696.00	1,512,854.00	934,830.00	1,398,720.00	820,696.00
Group Insurance Scheme	2,751.00	644,470.00	469,297.00	177,924.00	2,751.00
Security & Earnest Money	502,880.00	-	-	502,880.00	502,880.00
<b>SUBSIDIARIES</b>					
Security & Earnest Money	7,106.00	-	-	7,106.00	7,106.00
<b>TOTAL</b>	<b>1,333,433.00</b>	<b>2,157,324.00</b>	<b>1,404,127.00</b>	<b>2,086,630.00</b>	<b>1,333,433.00</b>

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

**SCHEDULE 21 - DEPOSITS / INVESTMENTS**

Particulars	Opening Balance as on 01/04/2012	Deposited during the Year	Encashed during the Year	Journal Entry Adjustment	(Amount in Rs.)	
					As at March 31, 2013	As at March 31, 2012
<b>General Provident Fund:</b>						
Treasury Account	1,007,349.00	-	-		1,007,349.00	1,007,349.00
Fixed Deposit with Bank	137,474,601.00	13,771,771.00	-		151,246,372.00	137,474,601.00
Savings Bank Account	30,978,269.00	37,708,917.00	30,978,269.00		37,708,917.00	30,978,269.00
Interest Accrued on FDR-GPF	4,915,675.00	5,232,322.00	4,915,675.00		5,232,322.00	4,915,675.00
Interest Receivable from Treasury	12,511,172.00	-	-	12,511,172.00	-	12,511,172.00
					195,194,960.00	
<b>Contributory Provident Fund:</b>						
Savings Bank Account	440,310.00	-	(946,702.00)		1,387,012.00	440,310.00
Fixed Deposit Receipt	12,316,829.00	464,785.00	3,937,283.00		8,844,331.00	12,316,829.00
Interest Accrued on FDR-CPF	770,156.00	1,281,267.00	770,156.00		1,281,267.00	770,156.00
					11,512,610.00	
<b>New Pension Scheme:</b>						
Savings Bank Account		25,000.00			25,000.00	-
Fixed Deposit /Auto Sweep		39,661,803.00			39,661,803.00	-
<b>Term Deposit Institute:</b>						
TDR -- Institute - SBI	100,000,000.00	90,000,000.00	100,000,000.00		90,000,000.00	100,000,000.00
TDR -- Institute - Bank of Baroda	52,930,339.00	118,197.00	-		53,048,536.00	52,930,339.00
TDR -- Out of Caution Money	9,972,823.00	254,981.00	-		10,227,804.00	9,972,823.00

Subsidiary Funds:									
T.D.R. with S.N.F.C.E.	9,800,000.00	-	-	-	9,800,000.00	9,800,000.00			
T.D.R. with Student Welfare Fund	7,446,891.00	151,228.00	-	-	7,598,119.00	7,446,891.00			
T.D.R. with Industrial Estate	20,800,000.00	-	-	-	20,800,000.00	20,800,000.00			
T.D.R. with G.K. Agarwal Trust	300,000.00	-	-	-	300,000.00	300,000.00			
T.D.R. with Alumni Association	2,935,449.00	33,961.00	-	-	2,969,410.00	2,935,449.00			
T.D.R. with R&C Cell	110,535,357.00	37,388,212.00	-	-	147,923,569.00	110,535,357.00			
T.D.R. with Sponsored Gold Medal	206,718.00	3,037.00	-	-	209,755.00	206,718.00			
T.D.R. with Project Account	14,714,121.00	27,651,184.00	27,900,897.00	-	14,464,408.00	14,714,121.00			
<b>TOTAL</b>	<b>530,056,059.00</b>	<b>253,746,665.00</b>	<b>167,555,578.00</b>	<b>12,511,172.00</b>	<b>603,735,974.00</b>	<b>530,056,059.00</b>			

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

**SCHEDULE 22 - ACCRUED INTEREST**

(Amount in Rs.)

Particulars	As at March 31, 2013	As at March 31, 2012
<b><u>On Term Deposit</u></b>		
<b><u>Institute:</u></b>		
TDR - Institute	25,496,796.00	6,405,350.00
<b><u>Subsidiary Funds:</u></b>		
T.D.R. with Alumni Association	36,582.00	33,961.00
T.D.R. with R&C Cell	-	3,031,352.00
T.D.R. with Sponsored Gold Medal	1,850.00	2,155.00
<b><u>Student Welfare Fund</u></b>		
T.D.R. with Student Welfare Fund	239,803.00	192,869.00
T.D.R. out of Caution Money	142,348.00	274,260.00
<b>Total</b>	<b>25,917,379.00</b>	<b>9,939,947.00</b>



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

**SCHEDULE 23 - MISCELLANEOUS EXPENDITURE**

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2012	Payments During the Year	Receipts During the Year	As at March 31, 2013	As at March 31, 2012
Board of Apprenticeship Training	1,030,811.00	333,952.00	367,170.00	997,593.00	1,030,811.00
CSIR Delhi	42,598.00	323,248.00	185,343.00	180,503.00	42,598.00
Fellowship (MHRD)	147,489.00	-	-	147,489.00	147,489.00
ICCCT (Dr. A.K. Misra)	281,882.00	62,938.00	-	344,820.00	281,882.00
ICSSR Project	192,000.00	-	-	192,000.00	192,000.00
National Seminar (HSS Department)	140,017.00	-	-	140,017.00	140,017.00
PHE Stip & Contingency	45,485.00	-	-	45,485.00	45,485.00
QIP Polytechnique	2,633,151.00	227,810.00	-	2,860,961.00	2,633,151.00
QIP Stipend & Contingency	642,513.00	1,202,348.00	-	1,844,861.00	642,513.00
Seminar on Electric Power Conversion	72,458.00	-	-	72,458.00	72,458.00
UPCST Domestic Waste Water Treatment	79,402.00	-	-	79,402.00	79,402.00
Workshop Virtual Instrumentation & Its Application	1,556.00	-	-	1,556.00	1,556.00
Fellowship (CSIR)	-	214,781.00	-	214,781.00	-
<b>Total</b>	<b>5,309,362.00</b>	<b>2,365,077.00</b>	<b>552,513.00</b>	<b>7,121,926.00</b>	<b>5,309,362.00</b>

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

**SCHEDULE 24 - CLOSING BALANCE OF CASH AND BANK**

Particulars	Current Year 2012-13		Previous Year 2011-2012		Total Cash & Bank Balance
	Balance with Bank	Balance in Hand	Balance with Bank	Balance in Hand	
Cash Balance in Hand	-	-	-	30,952.00	30,952.00
<b>SUB TOTAL(A)</b>	-	-	-	30,952.00	30,952.00
<b>BALANCE WITH BANKS - (ON CURRENT ACCOUNT):</b>					
<b>INSTITUTE:</b>					
with State Bank of India - Power Jyoti	122,549,975.64	-	91,207,757.00	-	91,207,757.00
with State Bank of India - Fees A/c	161,074,616.00	-	40,797,626.00	-	40,797,626.00
<b>SUB TOTAL</b>	283,624,591.64	-	132,005,383.00	-	132,005,383.00
<b>SUBSIDIARY FUNDS:</b>					
Admission Committee	704,312.00	-	704,312.00	-	704,312.00
Class Pilot Project	-	-	-	-	-
Industrial Estate	4,092,534.26	-	1,713,703.00	-	1,713,703.00
Kitchen Project	6,272.00	-	6,272.00	-	6,272.00
Sponsored Gold Medal	26,456.00	-	24,050.00	-	24,050.00
<b>SUB TOTAL</b>	4,829,574.26	-	8,118,330.00	-	8,118,330.00
<b>SUB TOTAL(B)</b>	288,454,165.90	-	140,123,713.00	-	140,123,713.00

(Amount in Rs.)

<b>BALANCE WITH BANKS - (ON SAVINGS &amp; AUTOSWEEP ACCOUNT):</b>					
<b>INSTITUTE:</b>					
with Vijaya Bank	286,128,308.36	-	286,128,308.36	307,870,004.00	307,870,004.00
<b>General Corpus Fund</b>					
State Bank of India - Corpus Fund	3,547,074.00	-	3,547,074.00	3,408,970.00	3,408,970.00
State Bank of India - Staff Development Fund	1,182,498.00	-	1,182,498.00	1,136,458.00	1,136,458.00
State Bank of India - Development/Renewal Fund	591,355.00	-	591,355.00	568,331.00	568,331.00
State Bank of India - Maintenance Fund	591,355.00	-	591,355.00	568,331.00	568,331.00
<b>SUB TOTAL</b>	292,040,590.36	-	292,040,590.36	313,552,094.00	313,552,094.00
<b>SUBSIDIARY FUNDS:</b>					
Text Book Lending Bank	413,528.00	-	413,528.00	382,362.00	382,362.00
G.K. Agarwal Trust	151,557.00	-	151,557.00	123,645.00	123,645.00
Nodal Centre	637,723.00	-	637,723.00	201,099.00	201,099.00
Product Development & Training Centre	172,037.00	-	172,037.00	165,339.00	165,339.00
Student Welfare Fund	6,966,179.00	-	6,966,179.00	6,027,018.00	6,027,018.00
School of Non Formal & Cont. Education	4,221,893.00	-	4,221,893.00	5,669,993.00	5,669,993.00
Alumni Association	3,920,615.50	-	3,920,615.50	971,488.00	971,488.00
TEQIP - II	11,553,159.00	-	11,553,159.00	19,078,931.00	19,078,931.00
Research & Consultancy Cell	20,090,681.55	-	20,090,681.55	4,313,988.00	4,313,988.00
Dean Academic Affairs	20,491,942.00	-	20,491,942.00	11,762,199.00	11,762,199.00
Project Account	14,539,313.40	-	14,539,313.40	7,593,753.00	7,593,753.00
<b>SUB TOTAL</b>	83,158,628.45	-	83,158,628.45	50,619,822.00	50,619,822.00
<b>SUB TOTAL (C)</b>	375,199,218.81	-	375,199,218.81	364,171,916.00	364,171,916.00
<b>GRAND TOTAL (A+B+C)</b>	663,653,384.71	-	663,653,384.71	504,295,629.00	504,326,581.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 25 - FEES FROM STUDENTS**

(Amount in Rs.)

Particulars	Current Year 2012-13	Previous Year 2011-12
<b><u>Tuition Fees:</u></b>		
Tuition Fees B.Tech	114,482,864.00	80,845,504.00
Tuition Fees w MBA	4,717,283.00	4,417,000.00
Tuition Fees MCA	4,235,737.00	2,616,000.00
Tuition Fees M.Tech	27,257,793.00	26,950,500.00
Tuition Fees Ph.D	371,000.00	657,124.00
Tuition Fees M.Sc.	264,815.00	156,225.00
Tuition Fees MSW	241,000.00	273,650.00
Sub Total:	151,570,492.00	115,916,003.00
<b><u>Other Fees:</u></b>		
Admission Fees M.Tech	857,300.00	142,900.00
Admission Fees MBA	36,900.00	28,000.00
Admission Fees MCA	52,000.00	43,700.00
Admission Fees PhD	1,045,900.00	64,500.00
Admission/Registration Fees B.Tech	789,200.00	720,600.00
Day Fees B.Tech	1,024,525.00	827,550.00
Day Fees M.Tech	297,600.00	250,225.00
Day Fees MBA	63,350.00	64,550.00
Day Fees MCA	89,775.00	62,025.00
Day Fees Ph.D	1,350.00	72,900.00
Development Fees	1,500,250.00	896,350.00
Enrollment Fees	164,925.00	122,000.00
Examination - Fees	14,480,268.00	-
Identity Card Fees	141,950.00	90,275.00
Lab Fees B.Tech	1,680,500.00	1,362,550.00
Lab Fees M.Tech	419,000.00	357,500.00
Lab Fees MBA	93,500.00	91,850.00
Lab Fees MCA	151,750.00	129,675.00
Lab Fees Ph.D	2,250.00	161,500.00
Library Fees	2,448,433.00	2,221,290.00
Magazine Fees	549,525.00	450,800.00
Placement Charges	1,694,446.00	1,480,500.00
Seminar registration fees	11,100.00	-
Student Welfare Fees	536,800.00	367,400.00
Syllabus Fees	459,100.00	327,500.00
Sub Total:	28,591,697.00	10,336,140.00
<b>TOTAL</b>	<b>180,162,189.00</b>	<b>126,252,143.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 26 - OTHER RECEIPTS FROM STUDENTS**

Particulars	(Amount in Rs.)	
	Current Year 2012-13	Previous Year 2011-12
Bus Charges from Student	-	399,181.00
Computer hiring charges	66,180.00	-
Case of Study - MBA	-	216,000.00
Computer Stationery Charges	2,629,210.00	2,698,000.00
Cost of Books & Teaching Material	-	720,000.00
E-Mail Charges	3,424,926.00	3,580,225.00
Hostel Electricity Charges	6,308,130.00	5,434,250.00
Hostel Fan Charges	1,438,250.00	1,052,250.00
Hostel Replacement Charges	1,042,700.00	883,825.00
Hostel Room Rent	3,169,400.00	2,719,250.00
Hostel Utensils	981,300.00	674,810.00
Medical Fees	2,253,254.00	2,004,050.00
NRI Fees	27,435,713.65	44,577,130.00
Private Use of Vehicle	1,106,566.00	101,537.00
Recreation Fees	2,883,727.00	2,423,000.00
Student study tour	176,500.00	-
Student activity fees	33,800.00	-
Shop/Canteen Rent Charges	124,334.00	-
Shop/Canteen Electric Charges	6,487.00	-
Refrence material	585,000.00	-
Registration Fee MSW	64,500.00	-
Summer Semester/Winter Semester Fees	689,000.00	-
Verification of Degree/Migration/Marksheet	266,700.00	-
Visiting Guest & Faculty - MBA	879,300.00	1,051,200.00
Alumni Fees	94,300.00	-
<b>TOTAL</b>	<b>55,659,277.65</b>	<b>68,534,708.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 27 - OTHER INCOME AND MISCELLANEOUS RECEIPTS**

Particulars	(Amount in Rs.)	
	Current Year 2012-13	Previous Year 2011-12
Application Fees for Appointment	9,500.00	5,200.00
Lease rent Received	6,000.00	-
Discount Received	9,551.00	-
Electricity Charges- Staff Quarter	1,189,242.00	829,498.00
Guest House Receipts	-	669,206.00
Library Misc. Receipt	106,928.14	161,074.00
M.Tech/Ph.D/M.Sc. Admission Form	772,125.00	2,510,000.00
MBA Admission Form	-	633,900.00
Miscellaneous Receipts Institute	219,791.02	779,189.00
Maintenance Hostel	-	
Rent from Staff Quarter	1,477,238.00	613,835.00
Sale of Tender Form	208,400.00	141,300.00
Executive development Centre	525,069.00	
Sponsorship	-	50,000.00
Water/Electricity Charges from Contractor	169,132.00	-
Water Charges Staff Quarter	9,735.00	10,742.00
Leave salary - Teaching	406,113.00	-
Other Organisation Income	582,853.00	-
<b>TOTAL</b>	5,691,677.16	6,403,944.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 28 - INTEREST ON DEPOSIT AND OTHER INTEREST**

	(Amount in Rs.)	
Particulars	Current Year 2012-13	Previous Year 2011-12
<b><u>Interest on Savings/ Term Deposit:</u></b>		
1) On Term Deposits with Scheduled Banks:		
Main Institute	30,593,183.00	13,970,015.00
2) On Savings Account with Scheduled Bank:		
Main Institute	10,903,972.00	5,912,659.00
<b><u>Other Interest:(from Rites Ltd, Gurgaon)</u></b>		
Main Institute	9,175,841.00	11,407,321.00
Main Institute - Prior Period	507,337.00	2,469,111.00
<b>TOTAL</b>	<b>51,180,333.00</b>	<b>33,759,106.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 29 - INCOME FROM SUBSIDIARY FUNDS**

(Amount in Rs.)

Particulars	Current Year 2012-2013	Previous Year 2011-12
<b>1) Interest Received</b>		
<b>a) On Term Deposits with Scheduled Banks:</b>		
Alumni Association	179,532.00	196,990.00
G.K. Agarwal Trust	22,501.00	19,126.00
Industrial Estate	1,030,953.00	824,344.00
Project Account	4,323,828.00	-
Research & Consultancy Cell	22,043,218.00	-
SNFCE	816,125.00	742,040.00
Sponsored Gold Medal	2,307.00	617.00
Student Welfare Fund	1,292,485.00	2,057,125.00
Student Welfare Fund - Prior Period	-	-
	29,710,949.00	-
<b>b) Accrued Interest:</b>		
T.D.R. with Alumni Association	36,582.00	33,961.00
T.D.R. with Sponsored Gold Medal <u>Student Welfare Fund</u>	1,850.00	2,155.00
T.D.R. with Student Welfare Fund	198,162.00	143,300.00
T.D.R. out of Caution Money	123,069.00	102,668.00
	359,663.00	102,668.00
<b>c) On Savings Account with Scheduled Bank:</b>		
Alumni Association	80,900.00	37,465.00
Dean Academic Affairs	756,779.00	522,286.00
G.K. Agarwal Trust	5,411.00	25,143.00
Nodal Centre (NTMIS)	30,687.00	-
P.D.T.C.	6,698.00	6,226.00
Project Account	667,198.00	-
Research & Consultancy Cell	640,570.00	-
SNFCE	227,340.00	212,721.00
Sponsored Gold Medal	981.00	905.00
Student Welfare Fund	262,179.00	177,070.00
TEQIP - II	792,325.00	74,521.00
Text Book Lending Bank	15,630.00	13,911.00
	3,486,698.00	13,911.00



Particulars	(Amount in Rs.)	
	Current Year 2012-2013	Previous Year 2011-12
<b>2) Revenue Income:</b>		
Alumni Association	1,916,061.50	1,171,125.00
Alumni Association - Prior Period Income	-	1,083,474.00
Class Pilot Project - Prior Period Income	-	94.00
Dean Academic Affairs	10,566,175.00	-
Industrial Estate	1,697,358.31	1,675,201.00
Nodal Centre	3,157,381.00	-
Project Account	785,816.00	-
Research & Consultancy Cell	5,959,521.00	-
SC/ST Pre Exam Training Centre - Prior Period Income	-	9,644.00
SNFCE	658,750.00	1,508,910.00
Student Welfare Fund	163,100.00	421,000.00
Text Book Lending Bank	38,729.00	43,936.00
	24,942,891.81	
<b>TOTAL</b>	<b>58,500,201.81</b>	<b>11,105,958.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 30 - PAY AND ALLOWANCE**

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
<b>ACADEMIC ESTABLISHMENT</b>					
<b>Pay Direction &amp; Teaching (U.G)</b>	89,092,279.00	6,434,602.00	7,843,844.00	90,501,521.00	86,849,897.00
<b>Allowances</b>					
Dearness Allowance	62,373,032.00	3,704,619.00	5,646,089.00	64,314,502.00	42,193,375.00
HRA	3,750,129.00	230,096.00	277,251.00	3,797,284.00	2,600,870.00
Transport Allowances	6,772,130.00	445,560.00	674,240.00	7,000,810.00	5,637,873.00
<b>Pay Teaching Staff (P.G.)</b>	-	468,280.00	344,610.00	(123,670.00)	6,303,787.00
<b>Allowances</b>					
Dearness Allowance	-	269,794.00	248,118.00	(21,676.00)	3,483,611.00
HRA	-	13,392.00	13,794.00	402.00	159,534.00
Transport Allowances	-	22,120.00	17,200.00	(4,920.00)	313,158.00
<b>NON-ACADEMIC OFFICERS</b>					
<b>Pay Administrative Officer (U.G)</b>	3,732,003.00	323,400.00	283,205.00	3,691,808.00	4,363,546.00
<b>Allowances</b>					
Dearness Allowance	2,644,783.00	185,787.00	203,910.00	2,662,906.00	2,174,849.00
HRA	178,843.00	14,394.00	15,134.00	179,583.00	171,244.00
Transport Allowances	349,817.00	28,440.00	25,800.00	347,177.00	364,680.00
<b>NON-ACADEMIC ESTABLISHMENT</b>					
<b>Pay Other Staff (U.G)</b>	34,346,310.00	2,748,290.00	2,876,380.00	34,474,400.00	41,386,833.00
<b>Allowances</b>					
Dearness Allowance	24,160,408.00	1,586,833.00	2,040,096.00	24,613,671.00	19,081,817.00
HRA	3,849,484.10	309,258.00	297,280.00	3,837,506.10	3,801,189.00
Transport Allowances	4,297,955.00	322,320.00	351,310.00	4,326,945.00	4,269,373.00

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
<b>Pay Others Staff- (P.G.)</b>	-	31,900.00	33,690.00	1,790.00	396,874.00
<b>Allowances</b>					
Dearness Allowance	-	18,270.00	24,257.00	5,987.00	210,108.00
HRA	-	4,164.00	4,508.00	344.00	49,602.00
Transport Allowances	-	3,160.00	3,440.00	280.00	39,312.00
<b>Salary &amp; Wages (Other Staff)</b>	43,690,687.00	2,677,830.00	5,092,678.00	46,105,535.00	28,300,659.00
<b>ARREARS</b>					
Pay Revision - Teaching	3,963,963.00	2,147,311.00	-	1,816,652.00	2,147,311.00
Pay Revision - Non Teaching	4,275,970.00	20,132.00	-	4,255,838.00	86,236.00
<b>TOTAL</b>	<b>287,477,793.10</b>	<b>22,009,952.00</b>	<b>26,316,834.00</b>	<b>291,784,675.10</b>	<b>254,385,738.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 31 - OTHER ALLOWANCES**

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
<b>Allowances: (U.G)</b>					
Other Allowances	92,249.00		-	92,249.00	98,772.00
Bonus	787,612.00	-	-	787,612.00	849,684.00
Family Planning Incentive			19,470.00	19,470.00	
Special Allowance			72,805.00	72,805.00	
Washing Allowance		7,740.00	4,740.00	(3,000.00)	
Deans Honorarium			14,000.00	14,000.00	
Cash Handling Allowance			150.00	150.00	
<b>Allowances: (P.G)</b>					
Other Allowances	-	-	-	-	720.00
Washing Allowance	-	60.00	60.00	-	
Children Education Allowance	2,989,777.00			2,989,777.00	3,932,742.00
Composite Transfer Expenses	-	-	-	-	310,574.00
Cummulative Professional Development Allowance	5,272,743.00	-	-	5,272,743.00	3,292,625.00
Family Planning Incentive	284,593.00	-	2,680.00	287,273.00	-
Inspire Faculty Award	90,323.00			90,323.00	
Earned Leave Encashment on LTC	1,145,211.00	-	15,731.00	1,160,942.00	625,613.00
Deans Honorarium	-		7,000.00	7,000.00	
Incentive Of Higher Education	20,000.00	-	-	20,000.00	-
Leave Salary	99,000.00	-	-	99,000.00	150,756.00
Pension Contribution	124,764.00	-	-	124,764.00	92,880.00
T.A. on Retirement	214,065.00	-	-	214,065.00	19,580.00
<b>TOTAL</b>	<b>11,120,337.00</b>	<b>7,800.00</b>	<b>136,636.00</b>	<b>11,249,173.00</b>	<b>19,373,946.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 32 - RETIREMENT BENEFITS**

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
<b>U.G. Course:</b>					
Commuted Value of Pension	5,437,871.00	329,203.00	293,411.00	5,402,079.00	9,078,935.00
Gratuity	8,290,551.00	436,425.00	423,440.00	8,277,566.00	9,412,769.00
Medical Allowance (Pensioner)	1,278,600.00	105,900.00	107,100.00	1,279,800.00	1,291,500.00
New Pension Scheme	4,951,456.00	340,901.00	604,597.00	5,215,152.00	3,616,755.00
Pension Pay	31,349,491.00	2,998,988.00	2,661,913.00	31,012,416.00	31,415,130.00
Pension Relief	25,023,906.00	1,754,224.00	2,255,816.00	25,525,498.00	22,662,944.00
Leave encashment on Retirement	5,909,449.00	264,500.00	256,630.00	5,901,579.00	6,964,211.00
<b>ARREARS</b>					
Pay Revision - Pension	3,446,846.00		261,382.00	3,708,228.00	-
<b>TOTAL</b>	<b>85,688,170.00</b>	<b>6,230,141.00</b>	<b>6,864,289.00</b>	<b>86,322,318.00</b>	<b>84,442,244.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 33 - ADMINISTRATIVE EXPENSES- GENERAL EXPENSES**

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
B.O.G. & Other Meetings	805,609.00	-	-	805,609.00	710,424.00
Computer Centre-Stationery & Library	-	-	-	-	210,532.00
Computer Science Course Stationery	-	-	-	-	226,829.00
Convocation	1,869,959.32	-	-	1,869,959.32	1,096,238.00
General Utility Equipment	15,328,426.81	-	-	15,328,426.81	591,958.00
Honorarium & TA to Invited Experts	-	-	-	-	34,300.00
Legal Charges	285,450.00	-	-	285,450.00	254,163.00
Library Newspaper & Magazine	17,408.00	-	-	17,408.00	-
Library Operating Cost	302,148.00	-	-	302,148.00	206,578.00
Liveries to Staff	135,510.00	-	-	135,510.00	177,477.00
LTC	1,731,241.00	-	-	1,731,241.00	3,337,395.00
Maintenance of Computer & Equipment	8,404,760.00	-	-	8,404,760.00	3,683,292.00
World Environment Day 2012 Expenses	49,847.00	-	-	49,847.00	-
MBA Admission	243,814.00	-	-	243,814.00	421,166.00
MCA- Contingency	236,298.00	-	-	236,298.00	96,431.00
Hospitality to VIPS	68,497.00	-	-	68,497.00	-
ME/Ph.D/M.Sc. Admission Form	200,000.00	-	-	200,000.00	-
Utensil Charges - Revenue	501,380.00	-	-	501,380.00	-
Misc. Expenses -- Colony & Guest House	-	-	-	-	107,816.00
Misc. Expenses -- Hostel	148,446.00	-	-	148,446.00	93,318.00
Recreation Club Teaching & Non Teaching	125,000.00	-	-	125,000.00	25,000.00
Rental Charges of Internet Bandwidth	1,125,599.00	-	-	1,125,599.00	3,219,818.00
Research Grant	40,823.00	-	-	40,823.00	47,519.00
Security Charges	26,832,367.00	1,414,046.00	2,349,667.00	27,767,988.00	12,110,166.00
Travelling & Conveyance Expenses- T.A Institute	2,136,342.00	-	-	2,136,342.00	643,692.00
Uncredited Income (Earlier Years) - Prior Period Item	-	-	-	-	168,534.00
<b>TOTAL</b>	<b>60,588,925.13</b>	<b>1,414,046.00</b>	<b>2,349,667.00</b>	<b>61,524,546.13</b>	<b>27,462,646.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT**

**SCHEDULE 34 - ADMINISTRATIVE EXPENSES- OTHER CONTINGENT EXPENSES**

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
Advertisement & Publicity	3,721,023.00	-	-	3,721,023.00	1,558,220.00
Anti Ragging Squad	472,363.00	-	-	472,363.00	162,644.00
Audit Fees AGUP	536,100.00	-	-	536,100.00	-
Chartered Accountant Fees	179,776.00	179,776.00	250,000.00	250,000.00	179,776.00
Institute Contribution CPF	291,373.00	24,270.00	18,103.00	285,206.00	289,116.00
Miscellaneous Contingencies	964,786.39	-	-	964,786.39	716,977.00
Postage	41,857.00	-	-	41,857.00	48,676.00
Printing & Stationery	407,121.00	-	-	407,121.00	590,495.00
Rent & Taxes - Hostel & Colony	2,610,483.00	-	-	2,610,483.00	4,328.00
Telephone	815,859.00	49,874.00	20,732.00	786,717.00	600,822.00
Training for Faculty Staff	24,158.00	-	-	24,158.00	8,155.00
<b>TOTAL</b>	<b>10,064,899.39</b>	<b>253,920.00</b>	<b>288,835.00</b>	<b>10,099,814.39</b>	<b>4,159,209.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT**

**SCHEDULE 35 - ADMINISTRATIVE EXPENSES- OTHER EDUCATIONAL EXPENSES**

Particulars	(Amount in Rs.)	
	Current Year 2012-13	Previous Year 2011-12
Case of Study	-	295,535.00
Computer Stationery	115,754.00	173,251.00
Cost of Books & Teaching Material	4,327.00	64,933.00
Medical Charges	-	2,812,301.00
MMS/MBA Operating Cost	495,126.00	353,548.00
Placement Charges	-	805,379.00
Preparation of Identity Card	87,071.00	49,610.00
Publication/ printing of Magazine	225,605.00	347,967.00
Raw Material & Consumable of Lab	-	248,897.00
Refund of Excess Fees	2,100,827.00	-
Seminar & Conference	677,241.00	360,968.00
Student Club & Hostel - Newspaper	-	12,750.00
Student Welfare Fund - Expenses	107,737.00	
Student Club/Student Activity Centre	3,715,023.00	2,584,599.00
Executive Development Centre	395,630.00	
Vechile Charges for Private use	-	176,613.00
Visiting Guest & Faculty	9,788,081.00	101,219.00
<b>TOTAL</b>	<b>17,712,422.00</b>	<b>8,387,570.00</b>



**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 36 - DOC/CONSUMABLES/ACADEMIC DEPARTMENTS AND CENTERS**

(Amount in Rs.)

Particulars	Current Year 2012-13	Previous Year 2011-12
<b><u>Purchases - Consumables (U.G.):</u></b>		
Applied Mechanics Department	645,244.00	392,931.00
Biotech Department	-	228,257.00
Chemistry Department	234,874.50	237,548.00
Civil Engineering Department	423,653.50	401,981.00
Computer Science Department	-	305,215.00
Electronics and Communication Engg Deptt	128,043.00	
Electrical Engineering Department	307,374.00	434,232.00
Electronics Engineering Department	223,375.00	302,474.00
Humanities Department	149,995.00	56,790.00
Information Technology	168,799.00	227,994.00
Maths Department	180,780.00	96,608.00
Mechanical Engineering Department	1,057,400.00	468,052.00
Physics Department	179,647.00	132,410.00
Training & Placement	762,827.00	95,773.00
Workshop - Mechanical Department	-	110,788.00
Chemical - Engineering Department	90,914.00	
<b><u>Purchases - Consumables (P.G.):</u></b>		
Applied Mechanics Department	112,403.00	190,856.00
Biotech Department	256,263.00	-
Civil Engineering Department	65,963.00	322,329.00
Computer Science Department	482,559.00	90,226.00
Electrical Engineering Department	-	142,220.00
GIS Cell	93,943.00	46,440.00
Mechanical Engineering Department	84,413.00	155,223.00
PG Operating Cost	1,120,904.00	231,574.00
<b>TOTAL</b>	<b>6,769,374.00</b>	<b>4,669,921.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 37 - MAINTENANCE AND REPAIR TO VEHICLE, OFFICE EQUIPMENT & FURNITURE**

Particulars	(Amount in Rs.)	
	Current Year 2012-13	Previous Year 2011-12
Maintenance of Vehicles	1,117,234.00	748,798.00
<b>TOTAL</b>	<b>1,117,234.00</b>	<b>748,798.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 38 - HOUSE KEEPING AND ESTATE MAINTENANCE**

(Amount in Rs.)

Particulars	Current Year 2012-13	Previous Year 2011-12
Maintenance Lawns & Gardens	174,194.00	162,951.00
Sponsorship	-	14,500.00
Extension of Dispensary	-	634,725.00
Furniture	-	95,981.00
Golden Jubilee Celebration	-	3,372,035.00
III Cell	1,184.00	19,449.00
Landscaping & Gardening	101,209.00	247,529.00
NIT Guest House, Delhi	150,000.00	150,000.00
OBC Plan Grant - Revenue Expenses	-	5,524,586.00
OBC Recuring Grant - Revenue Expenses	7,550.00	
OBC Plan Grant - Chemistry Operating Cost	-	46,849.00
Renovation of Building Structure	19,304,949.95	9,545,557.00
Renovation of Electric System & Facilities	5,468,494.00	1,432,759.00
TOTAL	<b>25,207,580.95</b>	<b>21,246,921.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 39 - SCHOLARSHIP**

(Amount in Rs.)

<b>Particulars</b>	<b>Current Year 2012-13</b>	<b>Previous Year 2011-12</b>
Scholarship	648,000.00	585,000.00
Stipend P.G.	52,927,643.00	47,594,659.00
Stipend Ph.D	22,925,708.00	21,900,217.00
<b>TOTAL</b>	<b>76,501,351.00</b>	<b>70,079,876.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 40 - HEALTH FACILITIES**

(Amount in Rs.)

<b>Particulars</b>	<b>Current Year 2012-13</b>	<b>Previous Year 2011-12</b>
Medical Reimbursement	3,139,892.00	3,131,457.00
Medicine including Doctors visit Fees	4,261,997.00	3,244,551.00
<b>TOTAL</b>	<b>7,401,889.00</b>	<b>6,376,008.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 41 - WATER AND ELECTRICITY CHARGES**

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2013	Journal Entry Adjustment		Current Year 2012-13	Previous Year 2011-12
		Provision as on 01/04/2012	Provision as on 31/03/2013		
<b><u>ELECTRICITY &amp; POWER:</u></b>					
Colony	4,798,866.00	-	459,852.00	5,258,718.00	3,929,027.00
Hostel	16,201,517.00	-	2,150,000.00	18,351,517.00	9,310,000.00
Institute	26,438,943.00	-	3,850,000.00	30,288,943.00	23,652,265.00
<b>SUB TOTAL (A)</b>	<b>47,439,326.00</b>	<b>-</b>	<b>6,459,852.00</b>	<b>53,899,178.00</b>	<b>36,891,292.00</b>
<b>WATER CHARGES</b>	<b>2,963,998.50</b>	<b>-</b>	<b>-</b>	<b>2,963,998.50</b>	<b>5,572,316.00</b>
<b>SUB TOTAL (B)</b>	<b>2,963,998.50</b>	<b>-</b>	<b>-</b>	<b>2,963,998.50</b>	<b>5,572,316.00</b>
<b>GRAND TOTAL (A+B)</b>	<b>50,403,324.50</b>	<b>-</b>	<b>6,459,852.00</b>	<b>56,863,176.50</b>	<b>42,463,608.00</b>

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD  
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 42 - INTEREST EXPENSES

Particulars	(Amount in Rs.)	
	Current Year 2012-13	Previous Year 2011-12
<b>SUBSIDIARY FUNDS</b>		
On Others Loans		
Industrial Estate	301,894.00	301,894.00
PDTC	27,062.00	27,062.00
<b>Total</b>	<b>328,956.00</b>	<b>328,956.00</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

**SCHEDULE 43 - EXPENDITURE OF SUBSIDIARIES**

(Amount in Rs.)

Particulars	Current Year 2012-13	Previous Year 2011-12
Alumni Association	1,732,116.00	986,532.00
Dean Academic Affairs	2,521,961.00	4,426,884.00
Industrial Estate	595,985.00	639,270.00
Nodal Centre (NTMIS)	2,751,944.00	-
Project Account	47,538.00	-
Research & Consultancy Cell	1,575,398.00	-
School of Non Formal Continuing Education	3,150,315.00	2,255,647.00
Student Welfare Fund	778,603.00	48,800.00
TEQIP - II	7,811,303.00	238.00
Text Book Lending Bank	23,193.00	26,298.00
<b>TOTAL</b>	<b>20,988,356.00</b>	<b>8,383,669.00</b>



**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR 2012-2013**

**SCHEDULE 44 - 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 capitalised.

Fixed assets received by way of non - monetary grants (other than towards the corpus) are capitalised at value stated, by corresponding credit to capital reserve.

Fixed assets acquired by Institute /Project/ Subsidiaries Fund are capitalised and disclosed separately.

**DEPRECIATION:**

Depreciation on fixed assets has been charged at the rates of depreciation prescribed under the Companies Act on WDV method, however for Computer & Peripherals and Library Books rates of depreciation has been taken at 60% on WDV and for Furniture & Fixtures rate has been taken at 18.10% as prescribed for general furniture & fixtures under Companies Act 1956.

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).

**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 recognised in the income and expenditure statement on a systematic and rational basis over the useful life of the asset.

Government grants received towards fixed assets are treated as Deferred Government Grants, to the extent fixed assets have been acquired.

Government grants and subsidies are accounted on receipt basis and/or where there is a reasonable assurance that the grant will be received.

Government grants not utilised 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 utilised 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:**

Gratuity 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 realisation in the ordinary course of business, equal at least to the aggregate amount shown in the balance sheet.

### **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:**

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.

Interest credited by M/s Rites Ltd, Gurgaon for the year 2011-12 Rs. 5,07,337.00 has been accounted for in current year 2012-13

Amount received directly in bank through RTGS/NEFT for which source / head of account could not be ascertained has been transferred to Miscellaneous Receipt Transferable account- Liability account

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2013**

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	<b><u>I. OPENING BALANCE:</u></b>		
<b>78,102.00</b>	<b>Cash in Hand</b>		30,952.00
	<u>Current Account:</u>		
65,27,878.00	State Bank of India - Fees Account	4,07,97,626.00	
4,30,21,401.00	State Bank of India - Power Jyoti Savings Account & Autosweep:	9,12,07,757.00	
3,83,09,552.00	State Bank of India	-	
14,98,45,134.00	Vijaya Bank	<u>30,78,70,004.00</u>	43,98,75,387.00
	<u>In Fixed Deposits with Banks:</u>		
	Institute		
4,82,57,654.00	Bank of Baroda	5,29,30,339.00	
1,00,000.00	State Bank of India	10,00,00,000.00	
8,29,50,620.00	Vijaya Bank	-	
	Caution Money		
13,96,283.00	State Bank of India	14,72,823.00	
85,00,000.00	Vijaya Bank	<u>85,00,000.00</u>	16,29,03,162.00
	<b><u>In Deposit Account:</u></b>		
44,91,179.00	Contributory Provident Fund	4,40,310.00	
	Contributory Provident Fund (Opening balance now incorporated)	1,23,16,829.00	
10,07,349.00	General Provident Fund - with Treasury	10,07,349.00	
	General Provident Fund - with Vijaya Bank(FDR)	11,34,60,133.00	
	General Provident Fund - with Bank of Baroda (FDR)	2,40,14,468.00	
2,10,06,783.00	General Provident Fund - with Vijaya Bank (SB)	3,09,78,269.00	
	<u>General Corpus Fund</u>		
32,81,974.00	State Bank of India - Corpus Fund	34,08,970.00	
5,47,158.00	State Bank of India - Development/Renewal Fund	5,68,331.00	
5,47,158.00	State Bank of India - Maintenance Fund	5,68,331.00	
10,94,121.00	State Bank of India - Staff Development Fund	<u>11,36,458.00</u>	18,78,99,448.00
	<u>In Subsidiary Funds:</u>		
7,04,312.00	Admission Committee	7,04,312.00	
	<u>Alumni Association :</u>		
4,56,330.00	Savings Account:	9,71,488.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
19,29,203.00	Fixed Deposits	29,35,449.00	
41,279.00	Class Pilot Project	-	
1,57,55,547.00	Dean Academic Affairs	1,17,62,199.00	
	<u>G.K. Agarwal Trust :</u>		
79,376.00	Savings Account:	1,23,645.00	
3,00,000.00	Fixed Deposits	3,00,000.00	
-	I.T.N.Course		
	<u>Industrial Estate (Rent / Electricity):</u>		
11,01,835.00	Current Account	17,13,703.00	
1,97,00,000.00	Fixed Deposits	2,08,00,000.00	
6,272.00	Kitchen Project	6,272.00	
2,01,099.00	Nodal Centre (NTMIS)	2,01,099.00	
1,59,113.00	P.D.T.C.	1,65,339.00	
	<u>Project Account</u>		
75,93,753.00	Savings & Sweep Account:	75,93,753.00	
1,47,14,121.00	Fixed Deposits	1,47,14,121.00	
	<u>Research &amp; Consultancy Cell :</u>		
43,13,988.00	Savings Account:	43,13,988.00	
11,05,35,357.00	Fixed Deposits	11,05,35,357.00	
25,794.00	SC/ST Pre Exam Training Centre	-	
	<u>School of Non Formal Continuing Education :</u>		
54,61,969.00	Current Account	56,69,993.00	
98,00,000.00	Fixed Deposits	98,00,000.00	
	<u>Sponsored Gold Medal :</u>		
23,145.00	Savings Account:	24,050.00	
2,04,592.00	Fixed Deposits	2,06,718.00	
	<u>Student Welfare Fund:</u>		
36,26,637.00	Savings Account:	60,27,018.00	
73,54,751.00	Fixed Deposits	74,46,891.00	
	TEQIP II (Opening Balance now incorporated)	1,90,78,931.00	
3,50,813.00	Text Book Lending Bank	3,82,362.00	22,54,76,688.00
	<u>II. GRANT RECEIVED:</u>		
43,00,00,000.00	Non Plan (Recurring) Grant	59,00,00,000.00	
31,50,00,000.00	Plan (Non Recurring) Grant	5,00,00,000.00	
			64,00,00,000.00

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	From Other Sources:		
	Grant received from AICTE	31,33,548.00	
	Board of Apprenticeship Training	3,67,170.00	
4,90,000.00	Conference ICPCES - 2010-11 EED	-	
7,21,071.00	CSIR Delhi	1,85,343.00	
5,62,000.00	NMEICT Scheme	11,00,000.00	
14,63,000.00	QIP Stipend & Contingency	-	
6,64,000.00	U.G.C.	8,98,504.00	
	Prior Period Income	5,82,853.00	62,67,418.00
	<u>III. INCOME ON INVESTMENT FROM EARMARKED/ ENDOWMENT FUND:</u>		
4,96,218.00	Interest on Contributory Provident Fund	70,196.00	
1,77,81,794.00	Interest on General Provident Fund	1,21,87,966.00	1,22,58,162.00
	<u>IV. INTEREST RECEIVED:</u>		
	<u>Term Deposits:</u>		
85,07,802.00	Main Institute	50,96,387.00	
	Decrease in Current Assets	64,05,350.00	1,15,01,737.00
	<u>Subsidiary Funds:</u>		
2,06,387.00	Alumni Association	1,79,532.00	
19,126.00	G.K. Agarwal Trust	22,501.00	
8,24,344.00	Industrial Estate	10,30,953.00	
	N.P.S-interest on autosweep	30,16,273.00	
-	Project Account	43,23,828.00	
-	Research & Consultancy Cell	2,20,43,218.00	
7,42,040.00	School of Non Formal Continuing Education	8,16,125.00	
2,126.00	Sponsored Gold Medal	2,307.00	
21,88,358.00	Student Welfare Fund	12,92,485.00	
-	Caution money	2,54,981.00	3,29,82,203.00
	<u>Savings Bank &amp; Autosweep Accounts:</u>		
59,12,659.00	Main Institute		1,09,03,972.00

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	<u>Subsidiary Funds:</u>		
37,465.00	Alumni Association	80,900.00	
5,22,286.00	Dean Academic Affairs	7,56,779.00	
25,143.00	G.K. Agarwal Trust	5,411.00	
	N.P.S- Interest on saving bank	1,004.00	
-	Nodal Centre (NTMIS)	30,687.00	
6,226.00	P.D.T.C.	6,698.00	
-	Project Account	6,67,198.00	
-	Research & Consultancy Cell	6,40,570.00	
2,12,721.00	School of Non Formal Continuing Education	2,27,340.00	
905.00	Sponsored Gold Medal	981.00	
1,77,070.00	Student Welfare Fund	2,62,179.00	
74,521.00	TEQIP - II	7,92,325.00	
13,911.00	Text Book Lending Bank	15,630.00	34,87,702.00
	<u>Other (From Rites Ltd., Gurgaon) :</u>		
1,14,07,321.00	Main Institute	91,75,841.00	
24,69,111.00	Main Institute - Prior Period	5,07,337.00	96,83,178.00
	<u>V. OTHER INCOME:</u>		
	<u>Main Institute:</u>		
27,19,250.00	Hostel Room Rent	31,69,400.00	
6,13,835.00	Rent from Staff Quarter	14,77,238.00	
8,08,45,504.00	Tuition Fees B.Tech	11,44,82,864.00	
1,56,225.00	Tuition Fees M.Sc.	2,64,815.00	
2,69,50,500.00	Tuition Fees M.Tech	2,72,57,793.00	
44,17,000.00	Tuition Fees MBA	47,17,283.00	
26,16,000.00	Tuition Fees MCA	42,35,737.00	
2,73,650.00	Tuition Fees MSW	2,41,000.00	
6,57,124.00	Tuition Fees Ph.D	3,71,000.00	15,62,17,130.00
	<u>User Receipts:-</u>		
7,20,600.00	Admission/Registration Fees B.Tech	7,89,200.00	
1,42,900.00	Admission/Registration Fees M.Tech	8,57,300.00	
43,700.00	Admission/Registration Fees MCA	52,000.00	
64,500.00	Admission/Registration Fees Ph.D	10,45,900.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13
5,200.00	Application Fees for Appointment	9,500.00
-	Alumni Fees	94,300.00
3,99,181.00	Bus Charges from Student	-
26,98,000.00	Computer Stationery Charges	26,29,210.00
8,27,550.00	Day Fees B.Tech	10,24,525.00
2,50,225.00	Day Fees M.Tech	2,97,600.00
62,025.00	Day Fees MCA	89,775.00
72,900.00	Day Fees Ph.D	1,350.00
8,96,350.00	Development Fees	15,00,250.00
8,29,498.00	Electricity Charges- Staff Quarter	11,89,242.00
35,80,225.00	E-Mail Charges	34,24,926.00
1,22,000.00	Enrollment Fees	1,64,925.00
54,34,250.00	Hostel Electricity Charges	63,08,130.00
10,52,250.00	Hostel Fan Charges	14,38,250.00
8,83,825.00	Hostel Replacement Charges	10,42,700.00
6,74,810.00	Hostel Utensils	9,81,300.00
90,275.00	Identity Card Fees	1,41,950.00
6,69,206.00	Income from Guest House/ EDC	5,25,069.00
13,62,550.00	Lab Fees B.Tech	16,80,500.00
3,57,500.00	Lab Fees M.Tech	4,19,000.00
1,29,675.00	Lab Fees MCA	1,51,750.00
1,61,500.00	Lab Fees Ph.D	2,250.00
22,21,290.00	Library Fees	24,48,433.00
1,61,074.00	Library Misc. Receipt	1,06,928.14
	M.Tech Sequential Fee	
25,10,000.00	M.Tech/Ph.D/M.Sc. Admission Form	7,72,125.00
4,50,800.00	Magazine Fees	5,49,525.00
20,03,582.00	Medical Fees	22,53,254.00
468.00	Medical Registration Fees	-
7,79,189.00	Miscellaneous Receipts Institute	2,19,791.02
4,45,77,130.00	NRI Fees	2,74,35,713.65
14,80,500.00	Placement Charges	16,94,446.00
1,01,537.00	Private use of Vehicle	11,06,566.00
24,23,000.00	Recreation Fees	28,83,727.00
1,41,300.00	Sale of Tender Form	2,08,400.00

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	Student Activity Fees	33,800.00	
-	Student Study Tour	1,76,500.00	
3,67,400.00	Student Welfare Fees	5,36,800.00	
	Lease Rent	6,000.00	
	Shop/canteen Rent	1,24,334.00	
	Shop/canteen Electric	6,487.00	
	Summer Semester/Winter Semester Fees	6,89,000.00	
3,27,500.00	Syllabus Fees	4,59,100.00	
10,742.00	Water Charges Staff Quarter	9,735.00	
-	Water/Electricity Charges from Contractor	1,69,132.00	6,77,50,698.81
	<u>MBA Course:-</u>		
28,000.00	Admission/Registration Fees MBA	36,900.00	
2,16,000.00	Case of Study	-	
7,20,000.00	Cost of Books & Teaching Material	-	
64,550.00	Day Fees MBA	63,350.00	
91,850.00	Lab Fees MBA	93,500.00	
6,33,900.00	MBA Admission Form	-	
10,51,200.00	Visiting Guest & Faculty	8,79,300.00	10,73,050.00
	<u>Other Receipts:</u>		
21,56,45,457.00	Advance adjustment to Parties	7,96,21,783.00	
2,14,500.00	Alumni Association	3,57,700.00	
41,373.00	Amount Transferred from Class Pilot Project	-	
35,438.00	Amount Transferred from SC/ST Pre Exam Training Centre	-	
-	Cancelled Cheques	15,53,417.00	
40,78,000.00	Caution money	35,08,500.00	
6,66,600.00	CCB 2011	-	
7,97,244.00	CPF	7,81,493.00	
	Computer Hiring Charges	66,180.00	
	Discount	9,551.00	
15,55,609.00	Earnest Money/Security money	18,61,571.00	
3,72,575.00	Employees loan from SBI	5,40,670.00	



(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
1,34,44,791.00	Examination Fees	1,46,20,766.00	
3,59,450.00	G.I for Student	9,34,830.00	
2,82,53,333.00	GPF	2,68,28,368.00	
10,23,091.00	Group Insurance Scheme	4,69,297.00	
	House and building recovery	3,27,000.00	
1,36,520.00	Imprest adjustment to Employees	1,21,205.00	
2,11,89,356.00	Income Tax	2,53,28,698.00	
17,254.00	Income Tax Recoverable	-	
24,947.00	Khadi	39,183.00	
	Leave Salary on Lien (Teaching)	4,06,113.00	
12,13,139.00	LIC	15,91,513.00	
	Motorcycle and loan recovery	1,14,821.00	
19,03,700.00	M.Tech (Part Time)	9,86,750.00	
	Seminar Registration Fee	11,100.00	
11,71,399.00	Mess Fees	-	
71,52,314.00	New Pension Scheme - contribution	98,98,033.00	
19,36,153.00	NCI & NICS Grant	-	
6,51,454.00	Non Exp-Trf of Income RT	52,40,479.00	
15,67,565.00	Outside Scholarship	20,10,818.00	
-	Recovery of Car Loan	9,000.00	
-	Reference Material	5,85,000.00	
9,421.00	Revenue Stamp	9,480.00	
7,28,288.00	Sales Tax	11,92,455.00	
1,35,000.00	Registration Fee	64,500.00	
50,000.00	Sponsorship	-	
5.00	Staff Advance (Imprest Previous year)	-	
2,16,27,489.00	Temporary Advance adjustment to Employees	1,24,11,736.00	
-	Verification of Degree/ Migration/ Marks sheet	2,66,700.00	
70,450.00	Union Donation - Teaching & Non Teaching	-	19,17,68,710.00
	<u>WORK IN PROGRESS OF PREVIOUS YEARS</u>		
	<u>CAPITALISED DURING THE YEAR</u>		
-	Construction of Hostel & Faculty Residence	53,19,01,444.00	
3,56,29,153.00	Construction & Renovation of EDC -WIP (Previous Years) - Consolidated	-	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	OBC Plan Grant (WIP) 2009-10	11,58,540.00	
24,66,060.00	OBC Plan Grant (WIP) 2010-11	13,50,020.00	
-	Construction of Institute Gate	1,93,774.00	
12,02,995.00	RBS (WIP) 2010-11	5,97,547.00	
-	RBS (WIP) 2011-12	12,53,422.00	
-	Augumentation of Academic Infrastructure - WIP	18,28,97,796.00	71,93,52,543.00
	<b>Earmarked/ Endowment Funds:</b>		
	<b>Contributory Provident Fund:</b>		
7,97,244.00	Subscription & Loan Recovery	7,81,493.00	
	Encashment of TDR		
	Decrease in Current Assets	7,70,156.00	15,51,649.00
	<b>General Provident Fund:</b>		
2,73,64,409.00	Subscription	2,78,86,972.00	
	Decrease in Current Assets	49,15,675.00	
11,18,65,755.00	Encashment of TDR	-	
49,427.00	Cancelled Cheque - Liability	-	3,28,02,647.00
	<b><u>General Corpus Fund:</u></b>		
	<b>Corpus Fund</b>		
1,26,996.00	Revenue Income	1,38,104.00	
	Contribution		
21,173.00	Revenue Income	23,024.00	
21,173.00	Revenue Income	23,024.00	
42,337.00	Revenue Income	46,040.00	2,30,192.00
	<b><u>New Pension Scheme</u></b>		
	Loan from MNNIT (Now Incorporated)	2,67,71,493.00	
	Subscription and Loan Recovery	98,98,033.00	3,66,69,526.00
	<b><u>Subsidiary Funds:</u></b>		
	<b><u>Alumni Association</u></b>		
	Life Membership Fund	3,29,100.00	
	YM Fund Swimming Pool Account	21,83,150.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13
11,71,125.00	Revenue Income	19,16,061.50
10,77,959.00	Prior Period Income	-
15,000.00	Amount Received against Unpaid Cheque (BPCL)	-
	Decrease in Current Assets	33,961.00
	<u>Class Pilot Project</u>	
94.00	Uncashed Cheques - Prior Period Income	-
	<u>Dean Academic Affairs</u>	
-	Revenue Income	1,05,66,175.00
	Cancelled Cheque - Liability	
3,00,531.00	Advance Adjustment	3,72,150.00
	Other Transferable Amount	
	<u>Industrial Estate:</u>	
5,58,411.00	Revenue Income	16,97,358.31
9,66,039.00	Received From Debtors	2,79,145.95
2,344.00	Rent Security Received	-
	Reversal of expenses payable	11,236.00
	<u>Nodal Centre (NTMIS) :</u>	
-	Grant Received	22,333.00
-	Advance Adjustment	2,000.00
	<u>Project Account:</u>	
	Advance Adjustment	13,01,803.00
	Revenue Income	7,85,816.00
-	Income Tax	2,938.00
-	Project Receipts	5,64,72,350.90
-	MNNIT	16,20,000.00
	Deffered Government Grant	4,54,33,250.00
	Payable- Reversal	8,97,461.00
	<u>Research &amp; Consultancy Cell:</u>	
	Loan to MNNIT - Now incorporated	45,951.16
-	Revenue Income	59,59,521.00
-	Income Tax	15,07,416.00
-	Testing & Consultancy (Pending)	2,00,37,519.00
	Rec. from Project Account	2,91,500.00
	Decrease in Current Assets	30,31,352.00
	Expenses Payable	1,56,670.00

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	Unicef Project	3,08,505.00	
	CCB (Liability)	1,82,96,742.39	
	Advance Received	7,60,973.00	
	<u>SC/ST Pre Exam Training Centre</u>		
9,644.00	Uncashed Cheques - Prior Period Income	-	
	<u>School of Non Formal Continuing Education:</u>		
15,08,910.00	Revenue Income	6,58,750.00	
2,44,995.00	Advance Adjustment	25,000.00	
3,17,375.00	Income Tax	3,35,098.00	
	<u>Sponsored Gold Medal;</u>		
	Decrease in Current Assets	2,155.00	
	<u>Student Welfare Fund</u>		
4,21,000.00	Revenue Income	1,63,100.00	
	Decrease in Current Assets	1,92,869.00	
28,793.00	Advance Adjustment	-	
	<u>TEQIP - II</u>		
2,00,00,000.00	Grant Received	-	
	<u>Text Book Lending Bank</u>		
43,936.00	Revenue Income	38,729.00	17,57,38,140.21
2,14,93,94,825.00	<b>TOTAL RECEIPTS</b>		<b>3,12,64,24,295.02</b>

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**  
**RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2013**

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13
<u>I. EXPENSES:</u>		
<u>I.(a) Establishment Expenses:</u>		
44,36,896.00	Pay Administrative Officer	37,32,003.00
9,34,33,738.00	Pay Direction & Teaching	8,90,92,279.00
4,18,92,722.00	Pay of Other Staff	3,43,46,310.00
2,76,93,439.00	Pay on Contractual Staff	4,36,90,687.00
1,01,219.00	Visiting Guest & Faculty	97,88,081.00
		18,06,49,360.00
Allowances & Bonus (U.G.):		
Direction & Teaching:		
4,60,94,621.00	Dearness Allowance	6,23,73,032.00
27,30,668.00	HRA	37,50,129.00
58,94,117.00	Transport Allowances	67,72,130.00
		7,28,95,291.00
<u>Administrative Officer:</u>		
22,13,276.00	Dearness Allowance	26,44,783.00
1,70,776.00	HRA	1,78,843.00
3,62,320.00	Transport Allowances	3,49,817.00
		31,73,443.00
<u>Other Staff:</u>		
1,95,02,661.00	Dearness Allowance	2,41,60,408.00
38,60,161.00	HRA	38,49,484.10
1,00,392.00	Other Allowances	92,249.00
42,24,373.00	Transport Allowances	42,97,955.00
8,49,684.00	Bonus	7,87,612.00
39,32,742.00	Children Education Allowance	29,89,777.00
Composite Transfer Expenses		
6,80,242.00	Earned Leave Encashment on LTC	11,45,211.00
	Family Planning Incentive	2,84,593.00
-	Incentive Of Higher Education	20,000.00
69,32,415.00	Leave Encashment	59,09,449.00
1,50,756.00	Leave Salary Contribution	99,000.00

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
92,880.00	Pension Contribution	-	
1,32,92,625.00	Professional Development Allowance/ (CPDA)	52,72,743.00	
19,580.00	T.A. on Retirement	2,14,065.00	4,91,22,546.10
	Allowances & Bonus (P.G.):		
	Salary Arrears :		
66,104.00	Pay Revision - Non Teaching	42,75,970.00	
-	Pay Revision - Teaching	39,63,963.00	82,39,933.00
	Contribution to Provident Fund:		
2,88,408.00	Direction & Teaching	2,91,373.00	
35,76,157.00	New Pension Scheme	49,51,456.00	
		-	52,42,829.00
	Expenses on Employees Retirement:		
	<u>U.G. Course:</u>		
89,52,091.00	Commuted Value of Pension	54,37,871.00	
3,10,574.00	Composite Transfer	-	
93,81,577.00	Gratuity	82,90,551.00	
32,75,691.00	Medical Allowance (Pensioner)	12,78,600.00	
3,08,14,880.00	Pension Pay	3,13,49,491.00	
2,21,58,136.00	Pension Relief	2,50,23,906.00	7,13,80,419.00
	Pension Arrears :		
-	Pay Revision - Pension	34,46,846.00	34,46,846.00
	I. b) Administrative Expenses:		
	Purchases-- Consumables (U.G.):		
3,92,931.00	Applied Mechanics Department	6,45,244.00	
2,28,257.00	Biotech Engineering Department	-	
-	Chemical Engineering Department	90,914.00	
2,37,548.00	Chemistry Department	2,34,874.50	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
4,01,981.00	Civil Engineering Department	4,23,653.50	
3,05,215.00	Computer Science Department	-	
4,34,232.00	Electrical Engineering Department	3,07,374.00	
3,02,474.00	Electronics Engineering Department	2,23,375.00	
56,790.00	Humanities Department	1,49,995.00	
2,27,994.00	Information Technology	1,68,799.00	
96,608.00	Maths Department	1,80,780.00	
4,68,052.00	Mechanical Engineering Department	10,57,400.00	
1,32,410.00	Physics Department	1,79,647.00	
95,773.00	Training & Placement	7,62,827.00	
1,10,788.00	Workshop (M E D)	-	44,24,883.00
	Purchases-- Consumables (P.G.):		
1,90,856.00	Applied Mechanics Department	1,12,403.00	
-	Biotech Engineering Department	2,56,263.00	
3,22,329.00	Civil Engineering Department	65,963.00	
90,226.00	Computer Science Department	4,82,559.00	
1,42,220.00	Electrical Engineering Department	-	
	Electronics & Comm Engineering Department	1,28,043.00	
46,440.00	GIS Cell	93,943.00	
1,55,223.00	Mechanical Engineering Department	84,413.00	
2,31,574.00	PG Operating Cost	11,20,904.00	23,44,491.00
	Electricity & Power:		
39,29,027.00	Colony	47,98,866.00	
93,10,000.00	Hostel	1,62,01,517.00	
2,36,52,265.00	Institute	2,64,38,943.00	4,74,39,326.00
34,300.00	Honorarium and TA	-	
7,48,798.00	POL / Maint Rep. Vehicle	11,17,234.00	
48,676.00	Postage	41,857.00	
5,90,495.00	Printing & Stationery	4,07,121.00	
4,328.00	Rent & Taxes - Hostel & Colony	26,10,483.00	
3,60,968.00	Seminar & Conference	6,77,241.00	
6,21,177.00	Telephone	8,15,859.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
6,43,692.00	Travelling & Conveyance Expenses	21,36,342.00	
55,72,316.00	Water Charges	29,63,998.50	1,07,70,135.50
	Expenses on Fees:		
2,95,535.00	Case of Study	-	
1,73,251.00	Computer Stationery	1,65,153.00	
64,933.00	Cost of Books & Teaching Material	4,327.00	
	Guest House Expenses/ EDC	3,95,630.00	
	Hostel Utensils	5,01,380.00	
4,21,166.00	MBA Admission Form	2,43,814.00	
-	M.Sc. Admission	2,00,000.00	
28,12,301.00	Medical Charges	-	
3,53,548.00	SMS/MBA Operating Cost	4,95,126.00	
8,05,379.00	Placement Charges	-	
49,610.00	Preparation of Identity Card	87,071.00	
3,47,967.00	Publication of Magazine	2,25,605.00	
2,48,897.00	Raw Material & Consumable of Lab	-	
25,84,599.00	Student Activity Centre	37,15,023.00	
12,750.00	Student Club & Hostel - Newspaper	-	
	Student Welfare Fund	1,07,737.00	
1,76,613.00	Vehicle Charges for Private use	-	
-	Excess Fees refunded to Students	8,94,637.00	
-	Refund of Admission fees	12,06,190.00	
			82,41,693.00
	Auditor's Remuneration:		
1,65,450.00	C.A. Fees	1,79,776.00	
	Audit Fees AGUP	5,36,100.00	7,15,876.00
15,58,220.00	Advertisement Charges		37,21,023.00
-	Hospitality Expenses		68,497.00
	<u>Other Expenses:</u>		
1,62,644.00	Anti Ragging Squad	4,72,363.00	
3,46,270.00	Board of Apprenticeship Training	3,33,952.00	
7,10,424.00	B.O.G. & Other Meetings	8,05,609.00	
	House & building loan recovery	3,27,000.00	



(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
2,10,532.00	Computer Centre-Stationery & Library	-	
2,26,829.00	Computer Science Course Stationery	-	
10,96,238.00	Convocation	18,69,959.32	
-	Inspire Faculty Award	90,323.00	
5,85,000.00	Institute - Scholarship	6,48,000.00	
2,54,163.00	Legal Charges	2,85,450.00	
-	Library Newspaper & Magazine	17,408.00	
2,06,578.00	Library Operating Cost	3,02,148.00	
1,77,477.00	Liveries to Staff	1,35,510.00	
33,37,395.00	LTC	17,31,241.00	
96,431.00	MCA - Contingency	2,36,298.00	
31,31,457.00	Medical Reimbursement	31,39,892.00	
32,44,551.00	Medicine	42,61,997.00	
1,07,816.00	Misc. Expenses	1,62,124.39	
93,318.00	Misc. Expenses - Hostel	1,48,446.00	
7,16,977.00	Misc. Office Contingency	8,02,662.00	
	Motorcycle and Loan recovery	1,14,821.00	
	Pentionery Contribution	1,24,764.00	
	Recovery of Car loan	9,000.00	
25,000.00	Recreation Club Teaching & Non Teaching	1,25,000.00	
1,16,21,057.00	Security Charges	2,68,32,367.00	
8,155.00	Training for Faculty Staff	24,158.00	
-	World Environment Day 2012	49,847.00	
1,62,951.00	Maintenance - Lawns & Gardens	1,74,194.00	
32,19,818.00	Rental Charges of Internet Band Width	11,25,599.00	4,43,50,132.71
	<u>Other Expenses (P.G.):</u>		
2,19,00,217.00	Ph.D Stipend	2,29,25,708.00	
4,75,94,659.00	P.G. Stipend	5,29,27,643.00	7,58,53,351.00
	<u>Plan- (Revenue):</u>		
6,34,725.00	Faculty/Staff Development Programme	-	
95,981.00	Furniture	-	
5,91,958.00	General Utility Equipment	1,53,28,426.81	
33,72,035.00	Golden Jubilee Celebration	-	
19,449.00	III Cell	1,184.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
2,47,529.00	Landscaping & Gardening	1,01,209.00	
36,83,292.00	Maintenance of Computer & Equipment	84,04,760.00	
1,50,000.00	NIT Guest House, Delhi	1,50,000.00	
55,24,586.00	OBC Plan Grant	-	
46,849.00	OBC Plan Chemistry - Operating Cost	-	
95,45,557.00	Renovation of Building Structure	1,93,04,949.95	
14,32,759.00	Renovation of Electric System & Facilities	54,68,494.00	
47,519.00	Research Grant	40,823.00	4,87,99,846.76
<b>II. PAYMENTS MADE AGAINST FUNDS FOR VARIOUS PROJECTS:</b>			
-	BIO PROSP - MNNIT 2010	5,519.00	
	C-DAC Project	43,645.00	
1,11,832.00	Conference ICPCES - 2010-11 EED	-	
-	Conference on Economic Crisis Management (Dr. Geetika)	21,254.00	
6,40,841.00	CSIR Delhi	3,23,248.00	
-	Faculty Development Programme	4,21,091.00	
-	Fellowship	2,14,781.00	
9,59,642.00	ICCCT - (Dr. A.K. Misra)	62,938.00	
1,92,000.00	ICSSR Project	-	
-	QIP Early Faculty Induction Programme	20,000.00	
5,69,928.00	QIP Polytechnique	2,27,810.00	
17,68,719.00	QIP Stipend & Contingency	12,02,348.00	
-	Workshop	58,516.00	
4,52,800.00	U.G.C.	8,45,844.00	
-	Workshop on Design of Rural Road (Dr. A.K. Singh)	12,828.00	34,59,822.00
<b>III. EXPENDITURE ON FIXED ASSETS &amp; CAPITAL WORK IN PROGRESS:</b>			
-	Augmentation of Academic & Infrastructure (WIP)	55,00,370.00	
-	Building	18,49,42,539.00	
3,69,95,833.00	Construction & Renovation of EDC	-	
22,55,05,371.00	Construction of Mega Hostel & Faculty Residence	60,95,24,660.00	
5,96,936.00	Furniture	1,38,83,642.00	
1,67,59,499.00	General Utility Equipment	2,05,42,717.19	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
-	Landscaping & Gardening	15,750.00	
-	Electric Installation	25,08,560.00	
-	Equipment Grant	73,17,179.00	
3,33,12,221.00	Plan Grant	3,98,68,497.15	
-	OBC Recurring Grant	6,13,025.00	
1,02,42,710.00	RBS	2,03,39,207.90	
12,53,422.00	RBS (WIP)	-	
37,97,798.00	Renovation of Electric System & Facilities	1,26,690.00	
6,36,906.00	Research Grant	-	90,51,82,837.24
	<u>Non Plan Grant-(Central Government)</u>		
5,29,239.00	Library Books	4,28,262.00	
1,48,89,020.00	Library Journals & Periodicals	1,75,21,343.00	1,79,49,605.00
	<u>Purchase of Fixed Assets - User</u>		
1,31,860.00	Computer Stationery Charges	1,38,600.00	
-	Hostel Utensil	1,33,073.00	
2,27,243.00	SMS/MBA - Operating Cost	68,469.00	
1,37,559.00	Placement Charges	-	
20,790.00	Raw Material & Consumable of Lab	-	
-	Student Activity Centre	3,15,683.00	
			6,55,825.00
	<u>Purchase of Fixed Assets - Departments (Non Plan)</u>		
1,03,209.00	Applied Mechanics Department (U.G.)	77,584.00	
21,155.00	Applied Mechanics Department (P.G.)	12,877.00	
14,910.00	Biotech Engineering Department (U.G.)	-	
6,800.00	Chemistry Department	29,970.00	
28,500.00	Civil Engg. Department (U.G.)	66,021.50	
95,890.00	Civil Engg. Department (P.G.)	37,895.00	
89,461.00	Computer Sc. Deptt. (U.G.)	11,445.00	
48,070.00	Computer Sc. Deptt. (P.G.)	35,600.00	
2,17,551.00	Comp. Sci. Course Stationery	-	
1,04,326.00	Electronics Engg. Department (U.G.)	19,250.00	
39,400.00	Elect. Engg. Department (P.G.)	-	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
18,690.00	GIS Cell	14,400.00	
52,300.00	Humanities Department	62,000.00	
37,795.00	Information Technology (U.G.)	-	
-	Library Operating Cost	12,400.00	
1,26,461.00	Maint. Of Computer & Equipment	2,11,877.00	
6,369.00	Maint. & Rep. Institute - Furniture	-	
96,971.00	Maint. & Rep. Institute - Building & Road	35,090.00	
	Maintenance - Furniture	44,833.00	
	Maint. Institute - Electrical Maintenance	11,130.00	
	Maintenance of Lawn & Garden	55,000.00	
-	Maintenance & Rep. Vehicle	11,130.00	
1,20,720.00	MCA - Contingency	-	
2,45,756.00	Mech. Engg. Department (U.G.)	3,08,057.00	
71,700.00	Mech. Engg. Department (P.G.)	-	
-	NCI & NICSI Grant-Capital Asset(computer & peripheral)	8,29,779.00	
-	Training & Placement	10,900.00	18,97,238.50
	<b>IV. OTHER PAYMENTS:</b>		
1,47,73,394.00	Advance to Employees	1,61,83,872.00	
12,53,39,178.00	Advance to Parties	98,30,178.00	
3,21,600.00	Alumni Association	-	
2,80,701.00	Cancelled Cheques	-	
12,87,569.00	Caution money	36,90,496.00	
6,66,600.00	CCB 2011	-	
7,97,244.00	CPF	7,81,493.00	
13,14,796.00	Earnest Money/Security money	11,89,203.00	
3,72,575.00	Employees loan from SBI	5,40,670.00	
1,06,53,952.00	Examination Fees	1,40,498.00	
11,45,795.00	G.I. for Student	15,12,854.00	
2,82,53,333.00	GPF	2,67,68,368.00	
10,19,842.00	Group Insurance Scheme	6,44,470.00	
1,39,000.00	Imprest to Employees	1,67,735.00	
2,11,39,987.00	Income Tax	2,53,78,067.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
17,254.00	Income Tax Recoverable	-	
24,947.00	Khadi	39,183.00	
12,13,329.00	LIC	11,52,039.00	
63,08,399.00	Mess Charges	-	
-	NPS Payment	4,99,260.00	
71,52,314.00	New Pension Scheme	98,98,033.00	
19,36,153.00	NCI & NICSII Grant	-	
	OBC Recurring Grant	7,550.00	
11,09,213.00	Outside Scholarship	24,23,881.00	
	LC Debit R&C	1,49,81,327.00	
9,421.00	Revenue Stamp	9,479.00	
6,99,513.00	Sales Tax	12,21,230.00	
18,000.00	Science City Expenses	19,350.00	
14,500.00	Sponsorship	-	
18,300.00	TEQIP-I Fund	-	
1,68,534.00	Uncredited Income (Earlier Years) - Prior Period Item	-	
70,450.00	Union Donation - Teaching & Non Teaching	-	
47,150.00	Undisbursed Cash	30,952.00	11,71,10,188.00
	<u>Earmarked/ Endowment Funds:</u>		
-	Final Payment	38,42,270.00	
53,44,331.00	TDR Made	-	
-	Increase in Current Assets	3,05,371.00	41,47,641.00
	<u>General Provident Fund:</u>		
3,20,76,305.00	Loan & Final Payments	2,44,88,194.00	
11,49,64,167.00	TDR Made		
49,427.00	Payment of Cancelled Cheques	-	2,44,88,194.00
	<u>Subsidiary Funds:</u>		
	<u>Alumni Association</u>		
9,86,532.00	Revenue Expenses	17,32,116.00	
	Capital Expenses:	7,500.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13
	<u>Class Pilot Project</u>	
41,373.00	Transferred to Institute	-
	<u>Dean Academic Affairs :</u>	
44,26,884.00	Revenue Expenses	25,21,961.00
3,89,281.00	Advance Given	4,43,400.00
	<u>Industrial Estate:</u>	
6,39,270.00	Revenue Expenses	5,95,985.00
-	Capital Expenses	43,877.00
	<u>Nodal Centre (NTMIS):</u>	
-	Revenue Expenses	27,51,944.00
	<u>Project Account:</u>	
-	Revenue Expenses	47,538.00
-	Income Tax	2,674.00
-	Liability for Expenses	7,59,48,598.50
	Capital Expenses	2,77,20,966.00
	<u>Research &amp; Consultancy Cell:</u>	
-	Revenue Expenses	15,75,398.00
-	Amount transferred to Project Account	3,08,036.00
-	Amount paid to testing and consultancy (PENDING)	83,19,113.00
-	Advance Given	10,89,021.00
-	Income Tax	8,91,031.00
-	Liability for Expenses	1,28,198.00
	Capital Expenses:	86,93,256.00
	<u>SC/ST Pre Exam Training Centre</u>	
35,438.00	Transferred to Institute	-
	<u>School of Non Formal Continuing Education:</u>	
22,55,647.00	Revenue Expenses	31,50,315.00
3,17,375.00	Income Tax	3,35,098.00
-	Amount Receivable against FDP	-
2,44,995.00	Advance/Loan & Imprest	25,000.00
	<u>Student Welfare Fund :</u>	
48,800.00	Revenue Expenses	7,78,603.00
	Increase in Current Assets	41,641.00
1,01,600.00	Advance Given	-

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	<u>Capital Expenses:</u>		
95,760.00	Other Fixed Assets	-	
	TEQIP - II		
	<u>Advance Recoverable</u>	5,06,794.00	
	<u>Advance - Revenue Expenses</u>	74,50,000.00	
238.00	Revenue Expenses	3,70,408.00	
	<u>Capital Expenses:</u>		
9,95,352.00	Library Books and Journals	42,75,588.00	
	<u>Text Book Lending Bank :</u>		
26,298.00	Revenue Expenses	23,193.00	14,97,77,252.50
	<u>VIII. CLOSING BALANCE:</u>		
30,952.00	Cash in Hand		-
	Current Account:		
4,07,97,626.00	State Bank of India - Fees Account	16,10,74,616.00	
9,12,07,757.00	State Bank of India - Power Jyoti	12,25,49,975.64	28,36,24,591.64
	<u>Savings Account &amp; Autosweep:</u>		
30,78,70,004.00	Vijaya Bank	28,61,28,308.36	28,61,28,308.36
	<u>In Fixed Deposits with Banks:</u>		
	<u>Institute</u>		
5,29,30,339.00	Bank of Baroda	5,30,48,536.00	
10,00,00,000.00	State Bank of India	9,00,00,000.00	
	<u>Caution Money</u>		
14,72,823.00	State Bank of India	17,27,804.00	
85,00,000.00	Vijaya Bank	85,00,000.00	15,32,76,340.00
	<u>In Deposit Account:</u>		
4,40,310.00	CPF	13,87,012.00	
	Contributory Provident Fund FDR	88,44,331.00	
10,07,349.00	GPF- with Treasury	10,07,349.00	
	General Provident Fund - with Vijaya Bank(FDR)	12,49,96,556.00	
	General Provident Fund - with Bank of Baroda (FDR)	2,62,49,816.00	
3,09,78,269.00	GPF- with Vijaya Bank	3,77,08,917.00	
	<u>General Corpus Fund</u>		
34,08,970.00	State Bank of India - Corpus Fund	35,47,074.00	

(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
5,68,331.00	State Bank of India - Development/Renewal Fund	5,91,355.00	
5,68,331.00	State Bank of India - Maintenance Fund	5,91,355.00	
11,36,458.00	State Bank of India - Staff Development Fund	11,82,498.00	20,61,06,263.00
	<u>New Pension Scheme:</u>		
	Vijaya Bank Saving Account	25,000.00	
	Vijaya Bank Autosweep FDR	3,96,61,803.00	3,96,86,803.00
	<u>In Subsidiary Funds:</u>		
7,04,312.00	Admission Committee	7,04,312.00	
	<u>Alumni Association</u>		
9,71,488.00	Savings Account	39,20,615.50	
29,35,449.00	Fixed Deposits	29,69,410.00	
1,17,62,199.00	Dean Academic Affairs	2,04,91,942.00	
	<u>G.K. Agarwal Trust :</u>		
1,23,645.00	Savings Account:	1,51,557.00	
3,00,000.00	Fixed Deposits	3,00,000.00	
	<u>Industrial Estate (Rent/Electricity)</u>		
17,13,703.00	Current Account	40,92,534.26	
2,08,00,000.00	Fixed Deposits	2,08,00,000.00	
6,272.00	Kitchen Project	6,272.00	
2,01,099.00	Nodal Centre	6,37,723.00	
1,65,339.00	P.D.T.C.	1,72,037.00	
	<u>Project Account</u>		
75,93,753.00	Savings & AutoSweep Account	1,45,39,313.40	
1,47,14,121.00	Fixed Deposits	1,44,64,408.00	
	<u>Research &amp; Consultancy Cell :</u>		
43,13,988.00	Savings & AutoSweep Account	2,00,90,681.55	
11,05,35,357.00	Fixed Deposits	14,79,23,569.00	
	<u>Research &amp; Consultancy Cell :</u>		
43,13,988.00	Savings & AutoSweep Account	2,00,90,681.55	
11,05,35,357.00	Fixed Deposits	14,79,23,569.00	
	<u>School of Non Formal Continuing Education :</u>		
56,69,993.00	Current Account	42,21,893.00	
98,00,000.00	Fixed Deposits	98,00,000.00	



(Amount in Rs.)

Previous Year 2011-12	RECEIPTS	Current Year 2012-13	
	<u>Sponsored Gold Medal</u>		
24,050.00	Savings Account	26,456.00	
2,06,718.00	Fixed Deposits	2,09,755.00	
	<u>Student Welfare Fund :</u>		
60,27,018.00	Savings Account	69,66,179.00	
74,46,891.00	Fixed Deposits	75,98,119.00	
1,90,78,931.00	TEQIP - II	1,15,53,159.00	
3,82,362.00	Text Book Lending Bank	4,13,528.00	29,20,53,463.71
2,14,93,94,825.00	TOTAL PAYMENTS		3,12,64,24,295.02

FOR RAMESH C. AGRAWAL AND COMPANY  
CHARTERED ACCOUNTANTS

(CA. ROHITASHWA AGRAWAL)  
PARTNER

(SARVESH KUMAR TIWARI)  
REGISTRAR

(UMA SHANKAR SHARMA)  
DY. REGISTRAR A/CS



# 12

## ANNEXURES

- NIT Council **Annexure-1**
- Board of Governors **Annexure-2**
- Finance Committee **Annexure-3**
- Building and Works Committee **Annexure-4**
- Senate **Annexure-5**
- Campus Placements **Annexure-6**
- Externally Funded Research Project **Annexure-7**
- Details of Testing & Consultancy **Annexure-8**



*Cubrav*



# Annexure-1

## Council of National Institutes of Technology (NIT Council)

1.	Minister in charge, Department of Higher Education, Ministry of Human Resource Development, Government of India	Chairman (Ex-officio)
2.	Secretary, Department of Higher Education, Ministry of Human Resource Development, Government of India	Vice-Chairman (Ex-officio)
3.	The Chairperson of National Institutes of Technology located at Agartala (Tripura), Allahabad (Uttar Pradesh), Bhopal (Madhya Pradesh) Calicut (Kerala), Durgapur (West Bangal), Hamirpur (Himachal Pradesh), Jaipur (Rajasthan), Jalandhar (Punjab), Jamshedpur (Jharkhand), Kurukshetra (Haryana), Nagpur (Maharashtra), Patna (Bihar), Raipur (Chhattisgarh), Rourkela (Orissa), Silchar (Assam), Srinagar (Jammu & Kashmir), Surat (Gujarat), Surathkal (Karnataka), Tiruchirapalli (Tamil Nadu), and Warangal (Andhra Pradesh)	Member (Ex-officio)
4.	Director of every National Institute of Technology	Member (Ex-officio)
5.	The Chairman, University grants Commission	Member (Ex-officio)
6.	The Director General, Council for Scientific and Industrial Research	Member (Ex-officio)
7.	Secretary, Department of Bio-Technology, Government of India	Member (Ex-officio)
8.	Secretary, Department of Atomic Energy, Government of India	Member (Ex-officio)
9.	Secretary, Department of Information Technology, Government of India	Member (Ex-officio)
10.	Secretary, Department of Space, Government of India	Member (Ex-officio)
11.	Chairman, All India Council for Technical Education	Member (Ex-officio)
12.	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	Member
13.	Three Members of Parliament, of whom two shall be chosen by the House of the People and one by the Council of States.	Member
14.	Two Secretaries to the State Government, from amongst the ministries of departments of that Government dealing with technical education where the Institutes are located	Member (Ex-officio)
15.	Financial Advisor, Ministry of Human Resource Development, Government of India	Member (Ex-officio)
16.	Joint Secretary (Technical)/Additional Secretary (Technical), Department of Higher Education, Ministry of Human Resource Development, Government of India	Member Secretary (Ex-officio)

# Annexure-2

## Board of Governors

The Board of Governors of the Institute consists of the following members;

(a)	The Chairperson to be nominated by the Visitor	
(b)	The Director, ex-officio	Member
(c)	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
(d)	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 technologist or industrialist of repute	Member
(e)	Two persons, at least one of whom shall be a women, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council;	Member
(f)	One professor and one assistant professor or lecturer of the Institute to be nominated by the Senate.	Member
(g)	Registrar	Secretary

# Annexure-3

## Finance Committee

The Finance Committee Consists of the following persons:

1.	The Chairperson Board of Governer,	Chairman (Ex-officio)
2.	The Director	Member (Ex-officio)
3.	Joint Secretary dealing with National Institutes of Technology or his nominee and Finance Advisor (Human Resource Development) or his nominee members	Member
4.	Two persons nominated by the Board from amongst its members; and	Member
5.	The Registrar (Provided that in addition to the above, the Chairman may, in consultation with the Director, co-opt a member as and when found necessary)	Member-Secretary (Ex-officio)

# Annexure-4

## Building And Works Committee

The Building and Work Committee consists of the following persons:

1.	The Director of the Institute	Chairman (Ex-officio)
2.	One member nominated by the Central Government not below the rank of Director or Deputy Secretary	Member
3.	One member nominated by the Board of Governors	Member
4.	Registrar, ex-officio	Member-Secretary
5.	Dean, Planning and Development or similar position	Member
6.	One expert each from Civil and Electrical Engineering Wing of the Central or State Government or any autonomous body of repute	Member



# Annexure-5

## Senate

The Senate of the Institute consists of the following persons

1.	The Director of the Institute	Chairman (Ex-officio)
2.	The Deputy Director,	Member (ex-officio)
3.	The professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute;	Member
4.	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
5.	Registrar	Secretary
6.	Such other members of the staff as may be laid down in the Statutes	

# Annexure 6

## Campus Placements

### B.Tech

#### 1 BIOTECHNOLOGY

S.No	Name	Company 1	Company 2
1	AKANSHA JAIN	Snapdeal	
2	ANAMIKA	Tata Consultancy Services	
3	GARIMA LOHIYA	IBM	
4	HIMANSHU JAYANT	IBM	
5	NIKITA SAXENA	IBM	Mu Sigma
6	PUSHPESH SINGH	IBM	
7	SAKSHI SAXENA	Tata Consultancy Services	
8	VIKRANT SINGH	IBM	

#### 2 CHEMICAL ENGINEERING

S.No	Name	Company 1	Company 2
1	AISHWARYA AGRAWAL	Vedanta Group	HMEL
2	AJIT VERMA	Prism Cement	
3	AKASH SAXENA	IBM	HMEL
4	ANKIT KUMAR SINGH	Reliance Industries Ltd	
5	ASHISH KUMAR SHAKYA	Dodsai	
6	AYUSH KUMAR SINGH	HMEL	
7	BIPIN SHUKLA	Vedanta Group	HMEL
8	CHANDAN KUMAR	Hindalco	
9	DEEPANSHU BARUA	HMEL	
10	GAGANDEEP SAWHNEY	IBM	Hyderabad Ind. Ltd.
11	GAURAV KUMAR AGRAHARI	Hindalco	
12	GUPTA ANSHUL KUMAR	HMEL	
13	HIMANSHU SRIVASTAVA	Reliance Industries Ltd	
14	KSHITIJ KAUSHIK	Vedanta Group	HMEL
15	MAYANK JAISWAL	HMEL	
16	NIKHIL JAIN	Vedanta Group	
17	NISKARSH SINGHAL	IBM	Reliance Industries Ltd
18	RAMAN MISHRA	HMEL	

S.No	Name	Company 1	Company 2
19	RISHAV KUMAR	Prism Cement	
20	SAAWAN BANGUR	Tata Consultancy Services	Reliance Industries Ltd
21	SAURAV KUMAR SINHA	Prism Cement	
22	SHIBANI SOREN	IBM	
23	SHIVAM PRAKASH MAURYA	Reliance Industries Ltd	
24	SUNIL KUMAR GUPTA	Srijan	

### 3 CIVIL ENGINEERING

S.No	Name	Company 1	Company 2	Company 3
1	ABHINAV GOEL	L&T ECC		
2	ABHISHEK MISHRA	WIPRO		
3	AKSHAY KUMAR	L&T ECC		
4	AMIT SHARMA	Tata Consultancy Services	Samsung Heavy Industries	Trident
5	AMIT YADAV	Rungta Group of Institutes Bhilai		
6	ANKIT JAISWAL	L&T ECC		
7	ANKIT SANGWAN	Tata Consultancy Services	Jindal Steel & Power Ltd.	
8	ANSAR AKHTAR	IOCL		
9	APOORV JAIN	Tata Consultancy Services		
10	ARPIT MITTAL	SSEC Bhilai		
11	ASHOK KUMAR	SSEC Bhilai		
12	AVINASH	ITD Cementation	L&T ECC	
13	AVINASH MISHRA	ITD Cementation		
14	DEEPAK RAJPOOT	SSEC Bhilai		
15	DHIRAJ AGARWAL	IBM	L&T ECC	
16	HEMA SINGH	HPCL		
17	HOMRAJ THAPA	SSEC Bhilai		
18	IROS KOIRALA	SSEC Bhilai		
19	ISHAN SRIVASTAVA	WIPRO	Trident	
20	MAHENDRA KUMAR MEENA	HPCL		
21	MANOJ KUMAR MAURYA	IOCL		
22	NISCHAL MISHRA	IBM		
23	NITISH TRIPATHI	Aakash Educational Services		
24	PAWAN KUMAR	SSEC Bhilai		
25	PRANAV PANDEY	Tata Consultancy Services	L&T ECC	
26	PRATEEK AGRAWAL	Tata Consultancy Services		
27	PRAVEEN KHANNA	L&T ECC		

S.No	Name	Company 1	Company 2	Company 3
28	PRINCE KUMAR DUBEY	WIPRO		
29	PUSHPENDRA KUMAR	SSEC Bhilai		
30	RAHUL UPADHYAY	IBM		
31	RAJDEEP GUPTA	Tata Consultancy Services		
32	RAM SUNDAR YADAV	SSEC Bhilai		
33	RITWICK MISHRA	WIPRO		
34	ROHIT CHATURVEDI	WIPRO	Dodsal	
35	ROHIT KUMAR	SSEC Bhilai		
36	SANJEEV KUMAR	SSEC Bhilai		
37	SANKET NEEMA	SSEC Bhilai		
38	SANTOSH PANDEY	IBM	Rungta Group of Institutes Bhilai	
39	SHASHANK SAHU	IBM		
40	SHASHWAT GAUR	IBM	L&T ECC	
41	SHOUNAK TYAGI	Mu Sigma		
42	SHUBHANKAR PANDEY	IBM	SSEC Bhilai	
43	SHWET SINHA	Mu Sigma	Tata Consultancy Services	
44	TAPAN AGGARWAL	WIPRO		
45	VEDANT SAHAI	IBM		
46	VINAY KUSHWAHA	SSEC Bhilai		
47	VIVRALEE RAITANI	IBM	IOCL	
48	YADUNATH SINGH	SSEC Bhilai		

#### 4 COMPUTER SCIENCE AND ENGINEERING

S.No	Name	Company 1	Company 2	Company 3
1	AAKASH GAUTAM	Paypal		
2	AAKASH SRIVASTAVA	Kronos		
3	ABHIMANYU SETH	Make My Trip		
4	ABHISHEK TAYAL	CISCO		
5	ABHISHESH SRIVASTAVA	SEL(Samsung Software Engineering Lab)		
6	ADITYA SINGH	Oracle Apps		
7	AKASH RAI	SEL(Samsung Software Engineering Lab)		
8	AKASHDEEP	Kronos		
9	AKSHAT SINGHAL	SEL(Samsung Software Engineering Lab)		
10	AKSHAY VERMA	SEL(Samsung Software Engineering Lab)		

S.No	Name	Company 1	Company 2	Company 3
11	ALANKRITA PANDEY	Oracle ACS		
12	AMIT KUMAR	Accenture		
13	AMOL SHARMA	Flipkart		
14	ANAMIKA GUPTA	Yahoo !		
15	ANIL KUMAR ARYA	HashedIn	Aricent	
16	ANJU KHATRI	CISCO		
17	ANKIT GOYAL	Qualcomm		
18	ANKIT YADAV	CapGemini		
19	ANKITA RAJ	Oracle Apps		
20	ANKUR BRAHMBHATT	Qualcomm		
21	ANKUR SHUKLA	Oracle Apps		
22	ANSHUL AGARWAL	SEL(Samsung Software Engineering Lab)		
23	ANURAG KUMAR	Oracle Server Tech		
24	APOORV GUPTA	SISC(Samsung India Software Centre)		
25	ARPIT GUPTA	Microsoft		
26	ASHISH KUMAR SINGH	IBM	SAP labs	
27	ASHISH KUMAR SINGH	SISC(Samsung India Software Centre)	Oracle Server Tech	
28	ASHOK KUMAR RUNDLA	Rancore		
29	ASHUTOSH SHARMA	Aricent		
30	AVINASH KUMAR	OSS Cube		
31	BHASKAR KUSHWAHA	Qualcomm		
32	BHAVESH KUMAR	SAP labs		
33	BHUVNESH KUMAR	Rancore		
34	BHUVNESHWAR KUMAR	Oracle Apps		
35	DEEKSHA SINGH	Belzabar		
36	DEEPSHIKHA	Oracle Server Tech		
37	DEVANSH GUPTA	Adobe		
38	DILEEP KUMAR	SEL(Samsung Software Engineering Lab)		
39	DINKAR KUMAR	Intecons Software Labs		
40	GARIMA MISHRA	Adobe		
41	GAURAANG BHARTIYA	Accenture		
42	GAURAV AGRAWAL	CISCO		
43	GOBINATH. S	Aricent		
44	HAR NARAYAN SINGH	Tata Consultancy Services	SAP labs	
45	HARSHAL AGARWAL	CISCO		
46	HIMANSHU KUSHWAHA	Oracle Server Tech		
47	HIMANSHU SINGH	Make My Trip		
48	JAYANT KUMAR	IBM	Impetus	SISO

S.No	Name	Company 1	Company 2	Company 3
49	JINENDRA JAIN	Technosoft		
50	KANCHAN SUNDRANI	Goldman Sachs		
51	KARTIK SACHAN	CISCO		
52	KATYA NIGAM	Qualcomm		
53	KM TANVI RASTOGI	Amazon		
54	KOMAL NAGAR	Comviva		
55	LALIT PRAJAPATI	Oracle Server Tech		
56	MANISH PATEL	CDOT		
57	MD IKRAMUL HAQ	Technosoft		
58	MEETALI SINGH	SAP labs		
59	MOHAMMAD JABIR	CISCO		
60	MOHAMMED ZEESHAN	Sapient Global Markets		
61	MONIKA	Citrix	CDOT	
62	NAMRATA AGRAWAL	Sapient Global Markets		
63	NIDHI ANAND	Oracle Server Tech		
64	NITIN GUPTA	Kronos		
65	PARESH SHUKLA	Directi		
66	PARNIKA SINGH	NetApp		
67	PRAKASH CHANDRA BHARTIYA	CapGemini	Comviva	
68	PRAMENDRA RATHI	Qualcomm		
69	PRATEEK GUPTA	Goldman Sachs		
70	PRATEEK KHURANA	Goldman Sachs		
71	PRITAM GHIMIREY SHARMA	SEL(Samsung Software Engineering Lab)		
72	PRIYATOSH KUMAR TIWARI	Qualcomm		
73	RACHIT KUMAR	Tavant		
74	RAHUL AGARWAL	SISC(Samsung India Software Centre)		
75	RAHUL AGARWAL	Accolite Software		
76	RAHUL MITTAL	Yahoo !		
77	RAHUL RANJAN SRIVASTAVA	Oracle Apps		
78	RAHUL SAXENA	Make My Trip(QA)		
79	RAHUL SINGH	Rancore		
80	RAJAT SWAPNIL	Qualcomm		
81	RITU	CDOT		
82	ROSHNI SHEIKH	Adobe		
83	SACHIN GUPTA	CISCO		
84	SALMAN MASOOD	Novell		
85	SANIA	Qualcomm		
86	SANJAY KUMAR VERMA	WIPRO		
87	SANJAY PANDEY	CDOT		

S.No	Name	Company 1	Company 2	Company 3
88	SANJAY SINGH RAJPUT	Novell		
89	SARTHAK LOHIYA	Tata Consultancy Services	Accenture	
90	SATYAM	WIPRO		
91	SATYAM KAPOOR	NetApp		
92	SATYAM PAL SINGH	Tavant		
93	SAURABH SINGH	Microsoft		
94	SHASHANK RAUT	IBM	Impetus	
95	SHASHANK SINGH JADAUN	Oracle OFSS		
96	SHILPA GUPTA	Oracle Server Tech		
97	SHIVANI	SISO		
98	SHIVENDRA KUMAR	Aricent	Accenture	
99	SHOBHIT SRIVASTAVA	Qualcomm		
100	SHUBHAM CHOURASIYA	Pradan		
101	SHUBHAM JAISWAL	Adobe		
102	SIDDHANT JAIN	Futures First		
103	SONALI SHARMA	Amazon		
104	SURAJ KUMAR DAS	Tata Consultancy Services		
105	SUSHEEL KUMAR CHAUDHARY	Nokia Siemens		
106	SWETA SINGH	Mu Sigma		
107	TARUN KUMAR MEENA	Aricent		
108	TARUNESH KUMAR GUPTA	SEL(Samsung Software Engineering Lab)		
109	UTKARSH SRIVASTAV	Adobe	Goldman Sachs	
110	VIJAY VIGNESHAN R	Qualcomm		
111	VIKAS CHANDRA	IBM	Tavant	
112	VISHWASH GUPTA	Make My Trip(QA)	Oracle Server Tech	
113	VIVEK BAJPAI	WIPRO	Accenture	
114	YATINDRA KUMAR KUSHWAHA	Tata Consultancy Services	Sapient Global Markets	

## 5 ELECTRICAL ENGINEERING

S.No	Name	Company 1	Company 2	Company 3
1	ADITYA KUMAR VERMA	Reliance ADAG		
2	AKSHAY ARORA	L&T ECC	Vizag Steel	
3	AMIT KUMAR	IBM	Snapdeal	
4	ANAND TRIPATHI	McAfee		
5	ANKIT GANGWAR	IBM	Jindal Steel & Power Ltd.	
6	ANKIT JAIN	Sapient Global Markets		

S.No	Name	Company 1	Company 2	Company 3
7	ANKIT SINGH	Tata Consultancy Services	Hero Motocorp	
8	ANKUR SARAF	WIPRO	Heinz	
9	ARPAN KOIRALA	TATA Power		
10	ASHISH KUMAR MAURYA	WIPRO	Hindalco	Vizag Steel
11	ASHISH TRIPATHI	Tata Consultancy Services	Jindal Steel & Power Ltd.	
12	BHAWANI P SINGH	Tata Motors		
13	HIMANSHI GUPTA	Reliance Industries Ltd		
14	ISHWAR GUPTA	IBM	HMEL	
15	JAIDEEP CHANDEL	IBM	Usha International	
16	KANIKA RATHI	Oracle OFSS		
17	KASHIF ASHHAR	WIPRO	ABB	
18	KUNAL ARJARIA	TATA Power		
19	MADDI PATIVEERA VENKATA GOPIRAMARAO	Tata Consultancy Services	Dodsal	
20	MANAV DAHRA	Hindalco		
21	MANJEET BANSAL	HLS Asia	IOCL	
22	MEGHA	TATA Power		
23	MOHAN RAJ GUPTA	IOCL		
24	MRINALINI	Reliance Industries Ltd		
25	NEERAJ JOSHI	Reliance Industries Ltd		
26	NIKITA SACHDEVA	Reliance ADAG		
27	NIRAV SAMAR	Reliance Industries Ltd		
28	PANKAJ SINGH	Tata Consultancy Services	Sapient Global Markets	
29	PRANSHU MISHRA	Pepsico		
30	PRIYANKA	ABB		
31	PRIYANKA VALECHA	Mu Sigma		
32	PRIYESHA MODI	Reliance Industries Ltd		
33	RAHUL JALAN	Tata Consultancy Services	Hindalco	HPCL
34	RAJAT SHUKLA	IBM	L&T ECC	Vizag Steel
35	RAJAT SRIVASTAVA	Snapdeal	Trident	
36	RAM KARAN MISHRA	CapGemini	Adhunik Group	
37	RAVI VIKRAM SINHA	IBM	IOCL	
38	ROHIT SHARMA	Usha International		
39	SARITA MEENA	Pradan		
40	SATISH KUMAR	IBM		
41	SHIV DUTT SINGH	Reliance Industries Ltd		
42	SHRISH SHUKLA	Reliance Industries Ltd		
43	SPARSH RAGHUVANSHI	Mu Sigma		
44	SURAJ KUMAR RAI	Futures First		
45	TUSHAR	TATA Power		



S.No	Name	Company 1	Company 2	Company 3
46	UDBHAV AASHU	Sapient Global Markets		
47	VAIBHAV BAJPAI	TATA Power		
48	VAIBHAV GUPTA	Aricent	Reliance ADAG	
49	VISHAL SINGH	Aakash Educational Services		

## 6 ELECTRONICS AND COMMUNICATION ENGINEERING

S.No	Name	Company 1	Company 2
1	AAKASH GOYAL	Tata Consultancy Services	Nokia Siemens
2	ABEER KHAN	Mu Sigma	
3	ABHAY MITTAL	Oracle Apps	
4	ABHISHEK GUPTA	WIPRO	Tech Vulcan
5	ABHISHEK SINGH	Sapient Global Markets	
6	ADITYA GOEL	IBM	Accenture
7	AHMAD DANISH	IBM	Accenture
8	AKSHAY MUKHI	Brahmos Aerospace	
9	ANAS CHOUDHARY	CapGemini	Royal Bank Of Scotland
10	ANKIT AGRAWAL	SISC(Samsung India Software Centre)	
11	ANKIT JAIN	Tata Consultancy Services	Nokia Siemens
12	ANKIT KUMAR PANDEY	Tech Vulcan	
13	ANKIT MAURYA	CISCO	
14	ANKIT NAYYAR	SISC(Samsung India Software Centre)	
15	ANOOKRITI SAXENA	Oracle OFSS	
16	ANTRA MISHRA	CapGemini	Citrix
17	ANUPAM AKANSHA	Tata Consultancy Services	
18	ANUSHREE TANDON	Tata Consultancy Services	Oracle GCS
19	ARNAB HALDER	Qualcomm	
20	ASHWANI KUMAR	Tech Vulcan	
21	AVINASH AGARWL	AtoS	
22	AYAN MANDAL	IBM	Airtel
23	AYUSH GOEL	Mu Sigma	
24	AYUSHI AGARWAL	Freescale Semiconductors	
25	BARKHA SINGH	CA Technologies	
26	BIRJESH RAWAT	WIPRO	
27	CHANDAN PATEL	Intecons Software Labs	
28	HEMESH KUMAR SINGH	Snapdeal	Zecross Media
29	HIMANSHU VERMA	CDOT	
30	JAGRITI KESARWANI	Goldman Sachs	
31	KALPANA MEENA	WIPRO	

S.No	Name	Company 1	Company 2
32	KHUSHBOO SINHA	Freescale Semiconductors	
33	KUMAR ABHIJEET	Rancore	
34	MANISH KUMAR BARAIK	WIPRO	
35	MANISHA SHAH	Sony	Accenture
36	MITHLESH GUPTA	CDOT	
37	MOHIT JITANI	IBM	Accenture
38	MOHIT KUMAR	Idea Cellular	
39	MUKHAR RANJAN	IBM	Indus Valley
40	NAMIT AGARWAL	CDOT	
41	NAVDHA AGRAWAL	Tata Consultancy Services	Sapient Global Markets
42	NISHANT MISRA	Novell	
43	PALLAVI NAGAR	McAfee	
44	PAWAN KUMAR GUPTA	Freescale Semiconductors	
45	PIYUSH BIRLA	Samsung Heavy Industries	
46	PRANAY KUMAR BISWAS	Tata Consultancy Services	AMDOCS
47	PRASHANT GUPTA	AMDOCS	
48	PRITESH SINGH	Tata Consultancy Services	Comviva
49	PRIYANK KUMAR JAIN	WIPRO	
50	PUJA KUMARI	Tata Consultancy Services	Airtel
51	PUSHPENDER SINGH	WIPRO	Nokia Siemens
52	RAJAT KUMAR	IBM	
53	RAJAT SHARMA	IBM	Idea Cellular
54	RISHABH KATIYAR	IBM	Mu Sigma
55	ROHIT RANJAN	Freescale Semiconductors	
56	SABIA KHURSHID	Idea Cellular	
57	SACHIN KUMAR GUPTA	SISC(Samsung India Software Centre)	
58	SALONI CHAURASIA	Tata Consultancy Services	
59	SALONI SHUKLA	SISC(Samsung India Software Centre)	SISO
60	SARIM ALI ANSARI	Tata Consultancy Services	SISO
61	SASHANK NISHAD	Qualcomm	
62	SATISH CHANDRA DIXIT	Tech Vulcan	
63	SAURABH MISHRA	Tata Consultancy Services	Nokia Siemens
64	SHARDOOL UPADHYAY	SISO	
65	SHATAKSHI NARAYAN	Tata Consultancy Services	
66	SHEKHAR MISHRA	IBM	
67	SHIKHA AGRAWAL	WIPRO	Nokia Siemens
68	SHISHIR GUPTA	WIPRO	Accenture
69	SHIVANSH SHARMA	IBM	Nokia Siemens
70	SHOBHIT KUMAR BANSLA	Tata Consultancy Services	Oracle GCS
71	SHUBHAM AGARWAL	IBM	Accenture

S.No	Name	Company 1	Company 2
72	SHUBHAM RAJ	Tata Consultancy Services	
73	SHUBHAM SHARMA	CapGemini	Sony
74	SHUBHASHISH DAS	Tata Consultancy Services	Sapient Global Markets
75	SIDDHARTH SINGH PANGTEY	IBM	Accenture
76	SRISHTI VERMA	Tata Consultancy Services	Idea Cellular
77	SUDHEER SRIVASTAVA	CapGemini	
78	SUSHIL KUMAR	Tata Consultancy Services	Sony
79	TANYA SAHAI	Oracle GCS	
80	TARUN SRIVASTAVA	Qualcomm	
81	UJJWAL MANANDHAR	Sapient Global Markets	
82	UMANG SAXENA	IBM	Indus Valley
83	VAIBHAV GUPTA	IBM	Comviva
84	VIKAS CHANDRA VERMA	Hindalco	
85	VIKRAM SRIVASTAVA	IBM	Airtel
86	VINOD KUMAR	Aricent	
87	VISHAL KUMAR	IBM	Comviva
88	VISHAL TARAIYA	Tata Consultancy Services	
89	WASI AHMAD	Accenture	
90	YOGYATA AGRAWAL	IBM	Rancore

## 7 INFORMATION TECHNOLOGY

S.No	Name	Company 1	Company 2	Company 3
1	ABHAY KUMAR AGRAWAL	Paypal		
2	ADITYA MITTAL	Amazon		
3	AKSHAY SUHAG	Tata Consultancy Services	Royal Bank Of Scotland	
4	ALOK KUMAR	IBM		
5	ALOK KUMAR SHUKLA	NewgenSoftwares		
6	ALOK SAHU	Aricent		
7	ALOK SINGH	WIPRO		
8	AMIT KUMAR	WIPRO	PLivo	
9	ANKIT AGRAWAL	NewgenSoftwares		
10	ANKIT CHOUDHARY	Tata Consultancy Services	Tavant	Oracle Server Tech
11	ANURADHA SINGH	AtoS		
12	ARPIT GUPTA	Citrix		
13	ASHUTOSH KUMAR VISHWAKARMA	Technosoft	Oracle Server Tech	
14	ATEET KAKKAR	Tavant		
15	AVINASH KATIYAR	SAP labs		
16	DARPAN BAVEJA	Aricent	NewgenSoftwares	Oracle Server Tech

S.No	Name	Company 1	Company 2	Company 3
17	DHEERAJ KUMAR PRAJAPATI	Technosoft		
18	GURDEEP SINGH RATTI	Oracle Server Tech		
19	HARSHIT PAHUJA	Microsoft		
20	HIMANI RAGHAV	MAQ Software		
21	KESHAV SINGLA	IBM	Make My Trip	
22	LUV SAXENA	Flipkart		
23	MAAZ AKHTER	MAQ Software		
24	MadihaRasheed	Pradan		
25	MALVIKA CHAUDHARY	Goldman Sachs		
26	MANVEEN BHATIA	Citrix		
27	MUKESH KUMAR	OSS Cube		
28	NALIN RAJ GUPTA	Microsoft		
29	NEHA YADAV	Citrix		
30	NIMISH AGARWAL	Novell		
31	NITIN SRIVASTAVA	Sapient Global Markets		
32	NITISH OJHA	Oracle Server Tech		
33	PRAFULL JAIN	Oracle ACS		
34	PRANAV AGRAWAL	NetApp		
35	PRANSHU SHARMA	Goldman Sachs		
36	PRINCE KUMAR	Venera Technologies		
37	RAHUL SINGH	Accenture		
38	RATAN KUMAR	IBM	INFOEDGE	Oracle Server Tech
39	RAVI RANJAN KUMAR	NEC HCL		
40	RISHANK KUMAR KATIYAR	Accenture		
41	ROBIN SINGH	CISCO		
42	ROHIT SHARMA	AtoS		
43	SAHIL PRAKASH	Oracle Server Tech		
44	SAKSHI SINGH	Yahoo !		
45	SANCHIT GOEL	Oracle Server Tech		
46	SANDEEP KUMAR GAURAV	OSS Cube		
47	SARAVANAN J	Citrix		
48	SHANTANU SACHDEV	MAQ Software		
49	SHIVAM AGRAWAL	Qualcomm		
50	SHIVANG GUPTA	Citrix		
51	SHOVIK GHOSH	Oracle Server Tech		
52	SURAJ SHRESTHA	Srijan		
53	USAMA MASOOD KHAN	Oracle Apps		
54	VARSHA MISHRA	Qualcomm		
55	VIDHU GANGWAR	AtoS		
56	VISHESH BHALLA	SISC(Samsung India Software Centre)		

## 8 MECHANICAL ENGINEERING

S.No	Name	Company 1	Company 2	Company 3
1	ABHISHEK KUMAR PANDEY	CapGemini	Honda Cars(R&D)	Mahindra & Mahindra
2	AMAN JINDAL	Reliance Industries Ltd		
3	AMIT KUMAR SAHU	Honda Cars(R&D)		
4	ANAND PRAKASH	Maruti Suzuki India Ltd		
5	ANANT KUMAR CHOUDHARY	Adhunik Group		
6	ANKIT KUMAR	Maruti Suzuki India Ltd		
7	ANKIT PANWAR	Honda 2 Wheelers	HPCL	
8	ANKIT RANA	IBM	Honda Cars(R&D)	
9	ANKUR SENGUPTA	Srijan		
10	ANUBHAV KUMAR	Adhunik Group		
11	ANUJ KUMAR	WIPRO	Daimler India	
12	ANUP CHANDRA GUPTA	Hindalco		
13	APURV NAMAN	Maruti Suzuki India Ltd		
14	ARUN KUMAR	Vizag Steel		
15	ASHISH SAJWAN	National Instruments	Telcon	
16	ASHWANI AGRAWAL	Tata Consultancy Services	Samsung Engineering	
17	CAPRIL ARORA	PepsiCo		
18	CHITRARTH PRASAD	Maruti Suzuki India Ltd		
19	DEEPAK KUMAR	Subros		
20	DEEPAK UPADHYAY	Jindal Steel & Power Ltd.		
21	DEV KUMAR SINGH	HPCL		
22	DEVARSHI SHARMA	Tata Consultancy Services	Usha International	
23	DEVESH BAJPAI	Maruti Suzuki India Ltd		
24	DHRUBA JYOTI DEKA	Maruti Suzuki India Ltd		
25	DIBYENDU SHARMA	Tata Motors		
26	DINESH KUMAR SHARMA	IBM		
27	GAGANDEEP MAHAJAN	Reliance Industries Ltd		
28	GAURANG GUPTA	Reliance Industries Ltd		
29	GAURAV KUMAR KUSHWAHA	IOCL		
30	GAURAV KUMAR VERMA	Tata Consultancy Services	Hindalco	
31	GAURAV VERMA	Telcon		
32	GIRISH CHANDRA MISHRA	Caterpillar		
33	JOYANT MANDAL	Tata Consultancy Services	Maruti Suzuki India Ltd	
34	KARAN KUMAR MALL	Reliance Industries Ltd		
35	KRISHNA KUMAR MAURYA	Maruti Suzuki India Ltd		
36	KUMAR SAMIR	Caterpillar		
37	MANEESH TRIPATHI	CapGemini	Maruti Suzuki India Ltd	

S.No	Name	Company 1	Company 2	Company 3
38	MANUJ MAURYA	Tata Motors		
39	MOHAMMAD ZAMAN	Britannia Ind Ltd.		
40	NISHANT AGARWAL	Caterpillar		
41	NISHANT VEER SINGH	IBM	Orient Fans	TATA CHEMICALS
42	NITIN AGARWAL	Jindal Steel & Power Ltd.		
43	NITIN AGARWAL	Honda Cars(R&D)		
44	NITISH KUMAR	Samsung Heavy Industries		
45	PRATEEK KUMAR DUBEY	IBM	Maruti Suzuki India Ltd	
46	PRINCE KUMAR	Dodsal		
47	PUNEET KUMAR	IBM		
48	PURNABH PARASHAR	Daimler India		
49	RAHUL TEOTIA	Tata Consultancy Services	Hero Motocorp	
50	ROHIT KHANNA	Bajaj Auto		
51	ROHIT MANCHANDA	HLS Asia	Vizag Steel	
52	SACHIN KUMAR SINGH	Reliance Industries Ltd		
53	SANDEEP SINGH	Hero Motocorp		
54	SARTHAK GARG	Brahmos Aerospace		
55	SHASHANK KUMAR ASTHANA	IOCL		
56	SHASHANK SHEKHAR	Mahindra & Mahindra		
57	SHASHI RANJAN	Maruti Suzuki India Ltd		
58	SHEREN GUPTA	TATA CHEMICALS		
59	SHOBHIT KUMAR SINGH	Tata Consultancy Services	Hyundai Motors	
60	SHUBHAM AGARWAL	Hindalco		
61	SHUBHAM SINGHAL	IBM	Jindal Steel & Power Ltd.	
62	SOURABH GUPTA	IBM	Reliance Industries Ltd	
63	SUBHOJIT DEY	Mu Sigma	Tata Consultancy Services	
64	SUDHANSHU TIWARI	IBM	HMEL	
65	SURAJ PATFL	Pepsico		
66	SUSHIL KUMAR GAUR	Vedanta Group		
67	TARUN VAISH	Caterpillar		
68	TUSHAR MITTAL	Tata Consultancy Services	Maruti Suzuki India Ltd	
69	UDIT GUPTA	IBM	Reliance Industries Ltd	
70	UMESH CHANDRA	IOCL		
71	VAIBHAV GARG	Maruti Suzuki India Ltd		
72	VAIBHAV PRATAP SINGH	Sapient Global Markets		
73	VINAY KUMAR CHAUDHARY	Samsung Engineering		
74	VINEET KUMAR	Maruti Suzuki India Ltd		
75	VIPAN KAMAL	Tata Consultancy Services	Vizag Steel	
76	VIPIN GUPTA	Tata Consultancy Services	Subros	Vizag Steel

S.No	Name	Company 1	Company 2	Company 3
77	VISHAL	Reliance Industries Ltd		
78	VISHNU KUMAR GOYAL	Bajaj Auto		
79	YUGANTAR SINGH	Tata Consultancy Services	Honda 2 Wheelers	

## 9 PRODUCTION AND INDUSTRIAL ENGINEERING

S.No	Name	Company 1	Company 2
1	AAKANSHA LALANI	Daimler India	
2	ABHISHEK SINGH	Tata Consultancy Services	
3	ALOK RAI	Hyderabad Ind. Ltd.	Trident
4	ANKUR VERMA	Tata Consultancy Services	
5	ANSHUL MAHAWAR	Maruti Suzuki India Ltd	
6	ANURAG PATHAK	Daimler India	
7	ARCHAK GOEL	Hero Motocorp	
8	ASHESH SHARMA	IBM	Daimler India
9	AVNEET CHOUDHARY	Tata Consultancy Services	Honda Cars(R&D)
10	CHARCHIT RATHI	Tata Consultancy Services	Daimler India
11	MAYANK SACHAN	Hyundai Motors	
12	MONIKA RAI	IBM	Maruti Suzuki India Ltd
13	NEERAJ TRIPATHI	Sutra Analytics	
14	NITISH AGARWAL	Futures First	
15	PRATEEK BATHLA	IBM	Hero Motocorp
16	RAO SANDEEP	Adhunik Group	
17	SANCHITA JAIN	Subros	
18	SHIV KUMAR	Adhunik Group	
19	SHREY GUPTA	WIPRO	Trident
20	SHUBHAM BANSAL	Tata Motors	
21	SIDDHARTHA PANDEY	IBM	
22	SIDRA KAUSAR	Tata Consultancy Services	Subros
23	SUMIT KUMAR JINDAL	WIPRO	Hindalco
24	VIVEK UMER	IBM	Hero Motocorp

## M.Tech

### 1 APPLIED MECHANICS

S.No	Name	Company
1	BHARAT BHUSHAN SHARMA	IMS Ghaziabad
2	RAJENDRA BAHADUR	ShriRamswaroop
3	RAMEEZ	SSEC Bhilai

### 2 CIVIL ENGINEERING (GEOTECHNICAL ENGINEERING)

S.No	Name	Company
1	SHUBHAM SHRIVASTAVA	GLA Mathura
2	SNEHA GUPTA	ShriRamswaroop

### 3 COMPUTER AIDED DESIGN AND MANUFACTURING

S.No	Name	Company
1	JATANDER PAL SINGH	IBM
2	KAPIL KUMAR	DIT Univ
3	MOHAMMAD WASEEM	IFTM University
4	OMNA SUMAN	IBM
5	PARAM SINGH	SSEC Bhilai
6	SUNEEL KUMAR PANDEY	ShriRamswaroop

### 4 COMPUTER SCIENCE AND ENGINEERING (INFORMATION SECURITY)

S.No	Name	Company 1	Company 2
1	AJAY KUMAR DAS	PSIT Kanpur	
2	AMIT AGRAWAL	IBM	HCL Comnet
3	AMIT SINGH	IBM	
4	ANKIT GUPTA	IBM	
5	ANKUR GUPTA	Tavant	
6	ANUP KUMAR KORI	SSEC Bhilai	
7	ARUN PRATAP SINGH JADOUN	Aricent	Tavant
8	ASHUTOSH SHUKLA	Aricent	
9	ATUL KUMAR	IBM	PGCIL
10	AVNEESH KUMAR MISHRA	DIT Univ	
11	BITOPAN MAZUMDAR	Dolcera	
12	DEEPAK KUMAR PALLAI	NEC HCL	



S.No	Name	Company 1	Company 2
13	GURUCHARAN MANDI	SSEC Bhilai	
14	NAND KISHOR	IBM	
15	SHASHI PRAKASH	SSEC Bhilai	
16	SURENDRA KUMAR RAUT	SSEC Bhilai	
17	TAMAL KANTI CHAKRABORTY	IBM	
18	VIKAS ANAND	Aricent	

## 5 COMPUTER SCIENCE AND ENGINEERING (M.TECH.)

S.No	Name	Company 1	Company 2	Company 3
1	AKANKSHA PANDEY	SISC	IBM	
2	ASHUTOSH KUMAR	ShriRamswaroop		
3	ATUL VIKAS LAKRA	SSEC Bhilai		
4	BINDU MADHAVI MISHRA	IBM	SEL	CDOT
5	KUSHAL GUPTA	DIT Univ		
6	MANISH SINGH	NEC HCL		
7	MOHAMMAD MUSTAQEEM	Tata Consultancy Services(PG)	PLivo	
8	NEHA GUPTA	AMDOCS	Oracle Server Tech	
9	PRAKHAR BANSAL	Oracle Server Tech		
10	RAHUL SINGH	ShriRamswaroop		
11	SHRUTI VERMA	CDOT		
12	SHUBHI GUPTA	IBM	HashedIn	
13	TRIPTI SINGH	ShriRamswaroop		
14	VIPIN TOMAR	Tavant		

## 6 COMPUTER SCIENCE AND ENGINEERING (SOFTWARE ENGINEERING)

S.No	Name	Company 1	Company 2
1	ALOK KUMAR PRIYADARSHI	Aricent	
2	AMIT SHARMA	DIT Univ	
3	ANJU PANDEY	Oracle Server Tech	
4	ANKITA KUMAR	Oracle Server Tech	
5	ANUPAM SINGH	DIT Univ	
6	BRIJENDRA PRATAP SINGH	ShriRamswaroop	
7	DHEERAJ CHAWLA	IBM	Nokia Siemens
8	JASMINE MINJ	AtoS	SSEC Bhilai
9	JEETENDRA KUMAR MISHRA	SSEC Bhilai	
10	KAPIL RAJPUT	IBM	Nokia Siemens
11	KSHITIJ KUMAR	Tavant	

S.No	Name	Company 1	Company 2
12	MANOJ JAIN	IBM	Nokia Siemens
13	MANOJ KUMAR	DIT Univ	
14	MANU DEV HEMBROM	SSEC Bhilai	
15	MOHD AMIR SIDDIQUI	Manglayatan	
16	MUDIT SHARMA	IBM	Verizon Data Services
17	MUNEEB HASAN KHAN	ShriRamswaroop	
18	PRAVIN KUMAR	Ambalika	
19	SHARAD KUMAR	SSEC Bhilai	

## 7 CONTROL & INSTRUMENTATION / POWER SYSTEMS ENGINEERING

S.No	Name	Company 1	Company 2
1	ANKIT KUMAR	Atmiya	
2	ANKUR	ShriRamswaroop	General Electric
3	ANURAG GUPTA	IBM	
4	DHARMA PAL SINGH	SSEC Bhilai	
5	NEHA SRIVASTAVA	Tata Consultancy Services(PG)	General Electric
6	NIMMY PAULOSE	General Electric	
7	NITESH KUMAR SONI	Rungta Group of Institutes Bhilai	
8	PARAS NATH VERMA	PSIT Kanpur	
9	SAURABH SHUKLA	IBM	
10	VAISHALI AGRAWAL	CapGemini	

## 8 DESIGN

S.No	Name	Company 1
1	AHMED HASAN SAYYED	R K University
2	GHANSHYAM SINGH GOHIL	IFTM University
3	NITISH SRIVASTAVA	SSEC Bhilai
4	SAI KIRAN BOPPUDI	CapGemini
5	SUPRIT WAKDE	IBM

## 9 DIGITAL SYSTEMS

S.No	Name	Company 1
1	AJAY GARG	PSIT Kanpur
2	ANIL NAGA RAJU CHELLI	IBM
3	BHARAT KUMAR SINGH	DIT Univ
4	DUSARI NAGESAWARA RAO	DIT Univ
5	JITENDRA SINGH	Ambalika

S.No	Name	Company 1
6	NAVNEET SINGH	CDOT
7	RAVI RASTOGI	ShriRamswaroop
8	SATYENDRA KUMAR KUSHWAHA	DIT Univ

## 10 FLUIDS ENGINEERING

S.No	Name	Company 1
1	KAUSHAL KISHORE MISHRA	ShriRamswaroop
2	SHASHANK KUMAR SHUKLA	DIT Univ

## 11 GIS AND REMOTE SENSING

S.No	Name	Company 1
1	ARUN SINGH	Manglayatan
2	BHAGWANT SINGH	Pradan
3	DINESH KUMAR BAGHEL	IBM
4	MEGHA NANDWANA	CapGemini
5	NIKHIL PRATAP SINGH	Tata Consultancy Services(PG)
6	SHILPI	Rungta Group of Institutes Bhilai
7	VARTIKA BAJPAI	PSIT Kanpur

## 12 MATERIAL SCIENCE AND ENGINEERING

S.No	Name	Company 1
1	JAY PRAKASH YADAV	IFTM University

## 13 MICROELECTRONICS AND VLSI DESIGN

S.No	Name	Company 1	Company 2
1	ABHISHEK RAI	SSEC Bhilai	
2	ALOK KUMAR	SSEC Bhilai	
3	ANUDEEP SURASANI	Apache Designs	
4	DEEPTI SINGH	Apache Designs	
5	GAURAV SARASWAT	Qualcomm	
6	JAYANT KUMAR TIWARI	SSEC Bhilai	
7	MAYANK GUPTA	SSEC Bhilai	
8	PUNEET KUMAR MISHRA	SSEC Bhilai	
9	PUSHPA GIRI	PSIT Kanpur	

S.No	Name	Company 1	Company 2
10	S KUMAR VARMA MANTENA	IBM	Apache Designs
11	SANCHIT SINGHAL	Qualcomm	
12	SANDEEP KUMAR SINGH	SSEC Bhilai	
13	SHILPA SINGH	Apache Designs	
14	SUJEET KUMAR	IMS Ghaziabad	
15	VIVEK MISHRA	ShriRamswaroop	
16	YOGENDRA SINGH	Apache Designs	

#### 14 POWER ELECTRONICS AND ASIC DESIGN

S.No	Name	Company 1	Company 2
1	ABHISHEK GARG	PanditDeenDayal University	
2	ANUP SINGH	Rungta Group of Institutes Bhilai	
3	ANURAG	DIT Univ	
4	ANURAG KUMAR SINGH	IBM	
5	CHANDRA SHEKHAR SINGH	PSIT Kanpur	
6	MALAY BHUNIA	IBM	AKGEC
7	MOHIT BAJAJ	DIT Univ	
8	PIYUSH AGARWAL	PSIT Kanpur	
9	PUNEET KUMAR MAURYA	PGCIL	
10	RAHUL KUMAR	CapGemini	
11	SHASHANK SRIVASTAVA	Tata Consultancy Services(PG)	
12	VISHAL SHENDE	CapGemini	

#### 15 PRODUCT DESIGN AND DEVELOPMENT

S.No	Name	Company 1	Company 2
1	ARVIND KATYAYN	Ambalika	AKGEC
2	ASHISH KUMAR MURARKA	IBM	R K University
3	ASHISH KUMAR RATHORE	GLA Mathura	
4	CHETAN SWAROOP	R K University	
5	DIVYA CHOUDHARY	GLA Mathura	
6	MANISH DIXIT	PSIT Kanpur	
7	MD TABISH HAQUE	PSIT Kanpur	
8	SHWETABH SINGH	DIT Univ	
9	SOURABH VYOMESH SAO	SSEC Bhilai	
10	SUNIL KUMAR CHAURASIYA	SSEC Bhilai	

## 16 PRODUCTION ENGINEERING

S.No	Name	Company 1	Company 2
1	ASHVARYA AGRAWAL	Atmiya	
2	DEEPAK PRASHANT SINGH	SSEC Bhilai	IFTM University
3	FARAZ AHMAD	DIT Univ	
4	GAURAV KUMAR SHARMA	R K University	
5	MD SARFARAZ ALAM	GLA Mathura	
6	NAVEEN KUMAR	SSEC Bhilai	
7	PAWAN SHARMA	GLA Mathura	
8	RAVI PRAKASH	SSEC Bhilai	
9	SAURABH PRIYADARSHI	ShriRamswaroop	
10	DHIRENDRA KUMAR PANDEY	EGIS India	
11	HEMANT SINGH PARIHAR	GLA Mathura	
12	MOHIT KUMAR SHARMA	IFTM University	
13	NABEEL M	R K University	
14	PRAVEEN KUMAR GUPTA	DIT Univ	IFTM University
15	PRIYAM SHARMA	IFTM University	
16	SHARAD KUSHVAHA	DIT Univ	IFTM University
17	SHIPRA	ShriRamswaroop	

## MBA

S.No	Name	Company 1	Company 2
1	ADITYA SHUKLA	Royal Bank of Scotland	
2	ALKESH KUMAR MISHRA	HDFC Life	Indiamart
3	AYUSH	HDFC Life	
4	IRFAN AHMAD	Pradan	Indiamart
5	MANAV MAHESHWARI	Royal Bank of Scotland	
6	MANISH KUMAR ARYA	Royal Bank of Scotland	
7	MANISH RANJAN	Indiamart	
8	MD. NASIM	Royal Bank of Scotland	
9	MOHAMMED MANZER IMAM	HDFC Life	Indiamart
10	PALLAVI GUPTA	Indogulf Fertilizers	
11	PAVANSUT MISHRA	Indiamart	
12	PIYUSH PRIYANK	Royal Bank of Scotland	
13	RITESH KUMAR MISHRA	HDFC Life	
14	SAKSHI SINGHANIA	HDFC Life	
15	SAROJ YADAV	HDFC Life	

S.No	Name	Company 1	Company 2
16	SAURABH SRIVASTAVA	AegonReligare Life Insurance	
17	SHIVAM GUPTA	NetAmbit	
18	SRIRAM	Royal Bank of Scotland	
19	SUMIT KUMAR	Indiamart	
20	YOGENDRA SINGH KUSHWAHA	HDFC Life	
21	YOGESHWAR TIWARI	AegonReligare Life Insurance	

## MCA

S.No	Name	Company 1	Company 2
1	AAKASH PRATAP	IBM	AMDOCS
2	ABHIJEET KUMAR GAURAV	IBM	Indus Valley
3	ABHINAV DUA	IBM	Indus Valley
4	ABHISHEK DIPANKAL	IBM	
5	ABHISHEK KUMAR	IBM	Impetus
6	AMRITA MAURYA	CapGemini	
7	ANKESH KASLIWAL	IBM	
8	ANKIT VINAY	IBM	AMDOCS
9	ANUSHRI MOHATA	Tata Consultancy Services(PG)	AMDOCS
10	ANWESHA SAIKIA	Tata Consultancy Services(PG)	
11	ARUN KUMAR	CapGemini	
12	ATUL KUMAR RAI	Hunka Technologies	
13	ATUL RANA	WIPRO	
14	GAURAV KUMAR	Aricent	
15	GAURAV SHUKLA	WIPRO	
16	JALESINGH YADAV	Tavant	
17	JAYASREE BASAK	IBM	AMDOCS
18	KAPIL KUMAR	Tata Consultancy Services(PG)	
19	KASHIF MANSOOR	IBM	
20	KRIKA CHAUHAN	Make My Trip(QA)	
21	KUMAR ADITYA	AtoS	
22	LALTU KUMAR SHIT	Tech Endeavour	
23	MAHESH SAINI	Aricent	
24	MEENA KUMARI	Hunka Technologies	
25	MOHD NADEEM ANSARI	IBM	Make My Trip
26	NAND KISHOR MAHTO	Indus Valley	

S.No	Name	Company 1	Company 2
27	NANDINI SHARMA	Tata Consultancy Services(PG)	Indus Valley
28	NIRBHAY SINGH	Tata Consultancy Services(PG)	Indus Valley
29	NISHKARSH VARDHAN	IBM	
30	PARMANAND	Rancore	
31	PRAMOD KUMAR KUSHWAHA	IBM	
32	PRASHANT KUMAR PANDEY	Tata Consultancy Services(PG)	
33	PRATIKA PRADEEP MISHRA	Tata Consultancy Services(PG)	AMDOCS
34	PRERNA SHARMA	IBM	AMDOCS
35	PRITI TIWARI	PSIT Kanpur	
36	PRIYANKA GERA	Make My Trip	
37	PRIYANKA SEHGAL	Goldman Sachs	Google
38	RAJEEV KUMAR PANDEY	SSEC Bhilai	
39	RAJESH YADAV	Technosoft	
40	REETI NAG	Tata Consultancy Services(PG)	
41	RICHA AGRAWAL	IBM	
42	RICHITA VIJAY	Tata Consultancy Services(PG)	AMDOCS
43	ROHIT KUMAR JHA	Tavant	
44	SANDEEP KUMAR	IBM	AMDOCS
45	SANJEEV KUMAR PANDEY	Tata Consultancy Services(PG)	
46	SANJIT KUMAR SINGH	Tech Endeavour	
47	SATISH KUMAR	WIPRO	
48	SAURABH GUPTA	IBM	kronos
49	SHILPA AGARWAL	Oracle OFSS	
50	SHIVANJALI MUKHERJEE	IBM	AMDOCS
51	SHRAMANA SEN	CapGemini	
52	SIMARJEET KAUR	IBM	kronos
53	SUJIT KUMAR	Aricent	
54	TALHA ZAFAR	CapGemini	
55	VINIT KUMAR RAI	IBM	HashedIn
56	VIVEK JAISWAL	AMDOCS	

## MSW

S.No	Name	Company 1
1	VIRENDRA KUMAR SHARMA	Pradan

# Annexure 7

## Externally Funded Research Project

Sl	Title of Project	Name of the Funding Agency	Name of P.I./ Coordinator	Name of the Department	Sanction No.	Sanction Date	Sanction Amount	Duration
1	SMDP Project "Special Manpower Development Programme for VLSI Design and Related Software (SMDP-II)	DIT, New Delhi	Dr. Rajiv Tripathi and Er. Sanjeev Rai	Electronics & Communication Engineering	F21(32)/2005-VCND	08-11-2005	59,00,000.00	2005-2013
2	Air Pollution Monitoring Project (U.P)	UPPCB, Lucknow	Dr. R.C. Vaishya	Civil Engineering	F02241/C.L/8/96	05-06-2006	22,57,000.00	2006-Perpetual
3	Information Security Education and Awareness Programme Course under Information Technology Ministry of Communicative Technology Govt. of India	DIT, New Delhi	Dr. A.K. Mishra	Computer Science & Engineering	2(14)/2005-ISEA	19-07-2006	1,03,29,855.00	2006-2014
4	Cure Dependent Material Characterization of Composite Prepregs: Experimental Part	DRDO, New Delhi	Dr. D. K. Shukla	Mechanical Engineering	DARO/08/1051402/M/I	16-04-2007	13,90,000.00	2008-2012
5	DST – FIST Project	DST, New Delhi	Head, Applied Mechanics Department	Applied Mechanics	SR/FST/ETI-183/2006	18-04-2007	1,30,00,000.00	2008-2013
6	Design Simulation Modeling and Mechanical Properties Characterization of CNT Nano Composites	Advanced Systems Laboratory, Hyderabad	Dr. K.K. Shukla	Applied Mechanics	ASL/31/08/4052/15/MOU/03	12-11-2008	1,27,16,000.00	2009-2012



Sl	Title of Project	Name of the Funding Agency	Name of P.I./Coordinator	Name of the Department	Sanction No.	Sanction Date	Sanction Amount	Duration
7	Investigation of Chemical Gas Sensors based on Low Cost Thin Films of Metal –Oxides Semiconductors	DST, New Delhi	Dr. P.P. Sahay	Physics	SR/52/CMP-41/2008	27-01-2009	18,84,400.00	2010-2012
8	Generation of improved "Photovoltaic Devices for making Efficient Dye Sensitized Solar Cells	DST, New Delhi	Dr. Ashutosh Pandey	Chemistry	No.SR/S3/ME/0016/2008	30-03-2009	36,82,552.00	2009-2012
9	Preparation Characterization and Biological Activity of Fluorecence based Chitosan for Biomedical Applications	UGC, New Delhi	Dr. P.K. Dutta	Chemistry	F No. 36-337/2008 (SR)	31-03-2009	7,96,800.00	2009-2012
10	Study of Magentodielectric Effect in BaTiO3/Fe3O4 Core/Shell Nanostructure	DST, New Delhi	Dr. Naresh Kumar	Physics	SR/FTP/PS-04/2008	12-08-2009	20,33,200.00	2009-2012
11	Process Development for Biotreatment of Bioremediation of Industrial Grease and Oil Waste: Creating a safe Working and Living' Environment for Industrial workers	DST, New Delhi	Dr. Sangeeta Negi	Biotechnology	SP/YO020/2008	22-09-2009	17,88,994.00	2010-2013
12	Experimental and Numerical Study of Traveling Wire Electro-Chemical Spark Machining of Advanced Engineering	CSIR, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	22(0486)/09/EMR-II	10-11-2009	13,71,000.00	2010-2013

Sl	Title of Project	Name of the Funding Agency	Name of P.I./ Coordinator	Name of the Department	Sanction No.	Sanction Date	Sanction Amount	Duration
13	Cylinder Pressure Reconstruction of Multy-Cylinder Spark Ignition Engine	DST, New Delhi	Dr. Samir Saraswati	Mechanical Engineering	SR/S3/MERC/089/2009	26-11-2009	24,62,400.00	2010-2013
14	Numerical Algorithms for Solving Singularly Perturbed Boundary Value Problems with Engineering Applications	UGC, New Delhi	Dr. Manoj Kumar	Mathematics	F. No. 37-515//2009(SR)	11-01-2010	11,93,600.00	2010-2013
15	Computational Techniques for Solving Non-Linear Elliptic Boundary Value Problems	DST, New Delhi	Dr. Manoj Kumar	Mathematics	SR/FTP/MS-14/2007	20-01-2010	8,93,200.00	2010-2013
16	Study of Rees Algebra, Graded Rings in Module Theoretic Setup and its Applications	NBHM, Mumbai	Dr. Shiv Datt Kumar	Mathematics	2/48(13)2009/-R&D II/2804	22-03-2010	7,07,850.00	2010-2013
17	Role of DNA Methylation in Setting up the Chromatin Organization of Developmentally Important Genes in Mammals	DBT, New Delhi	Dr. Manisha Sachan	Biotechnology	BT/PR13317/GDB/27/252/2009 Dt	11-06-2010	18,75,000.00	2010-2013
18	Establishment of New National MEMS Design Centre(PARC# 2:10)"Sanctioned under NP-MASS Programme	Department of Atomic Energy, Bangalore	Mr. Deepesh Tiwari	III Cell	ADA:FIN:NP-MASS: FUND-R:2:10:2010-11	13-08-2010	11,16,000.00	2010-2013

Sl	Title of Project	Name of the Funding Agency	Name of P.I./ Coordinator	Name of the Department	Sanction No.	Sanction Date	Sanction Amount	Duration
19	Finite Element Approximation and Computer Implementation for Non-Linear Elliptic Singular Perturbation Problems with Engineering Application	CSIR, New Delhi	Dr. Manoj Kumar	Mathematics	25(0187)/10/EMR-II	31-08-2010	13,10,400.00	2011-2014
20	Effect of Magnetic and Field on the Laser Ablated Plasma Plume and on the Growth of Oxide Thin Films for the Various Applications	DST, New Delhi	Dr. Naresh Kumar	Physics	SR/S2/HEP-07/2010	27-09-2010	34,27,000.00	2010-2013
21	Emperirical and Numerical Study of Laser Cutting of Aluminium Alloy Sheet	CSIR, New Delhi	Dr. Avanish Kumar Dubey	Mechanical Engineering	22(0532)/10/EMR-II	01-10-2010	12,05,400.00	2011-2014
22	Dft Study of Zwitterionic Forms of Biologically Important Molecules in Polar and Non-Polar Environments and Calculation of Dissociation Constants	CSIR, New Delhi	Dr. Animesh Kumar Ojha	Physics	No.03(1179)/10/EMR-II	15-11-2010	14,00,400.00	2011-2014
23	Microbial Profiling in Gangetic River System and Development a Gold Nanoparticles Based Multiplex Lateral Flow Immunoassay for Bacterial Detection	UGC, New Delhi	Dr. Shivesh Sharma	Biotechnology	F.No. 39-256/2010(SR)	28-12-2010	8,43,800.00	2011-2014

Sl	Title of Project	Name of the Funding Agency	Name of P.I./ Coordinator	Name of the Department	Sanction No.	Sanction Date	Sanction Amount	Duration
24	Nationally Coordinated Project "GIS for Development of Web based Public Health Information and Infrastructure and Management System	AICTE, New Delhi	Dr. R.D. Gupta	Civil Engineering	8024/RID/BOIII/NCP (07)/2010-11	31-03-2011	20,00,000.00	2011-2014
25	Electro-Discharge Diamond Grinding Development and Optimization	AR&DB, DRDO, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	DARO/08/2031574/M/I	22-12-2010	27,18,500.00	2011-2014
26	Functionalization of Wheat Grains for Enhancement of Bio Available Micronutrients Through Reduction of Phytic Acid Food Inhibitor	DST New Delhi	Dr. Nand Kumar Singh	Biotechnology	SR/FT/LS-107/2009 (G)	06-09-2011	19,58,000.00	2012-2015
27	Graded Modules Over Rings Graded by Finitely Generated Abelian Groups	DST, New Delhi	Dr. Shiv Datt Kumar	Mathematics	SR/S4/MS:642/10-1	27-09-2011	10,04,640.00	2011-2014
28	Process Development for Cellulosic Ethanol Production from Himalayan Chir Pine (Pinus Roxburghii) Forest Waste	DST, New Delhi	Dr. Sangeeta Negi Bora	Biotechnology	SR/FT/LS-112/2009 (G)	30-09-2011	19,90,000.00	2012-2015
29	Synthesis and characterization of metal-oxide semiconducting nanostructures with appropriate doping for various application	UGC, New Delhi	Dr. P.P.Sahay	Physics	40-450/2011 (SR)	17-10-2011	8,26,800.00	2012-2015

Sl	Title of Project	Name of the Funding Agency	Name of P.I./ Coordinator	Name of the Department	Sanction No.	Sanction Date	Sanction Amount	Duration
30	Fate and Transport of Arsenic in Oxide Coated Soil Matrix	UGC, New Delhi	Dr. R.C. Vaishya	Civil Engineering	39-888/2010 (SR)	14-11-2011	6,94,800.00	2012-2015
31	Degradation of dyes wastewater through combination of ozonation and anaerobic biodegradation	DST, New Delhi	Ms. Smita Venkatesh	Chemistry	SR/WOS-A/ET-48/2011 (G)	17-11-2011	14,40,000.00	2012-2015
32	Ambient air Quality Monitoring & Noise Monitoring	UPPCB, Lucknow	Dr. Ram Pal Singh	Civil Engineering	96469/C.Lab/161/Air Mon/Kumbha / Allahabad/2011	20-12-2011	7,12,000.00	2012-2015
33	Harnessing PGPRs from Indo Gangetic Plain "Region of Uttar Pradesh for Growth Promotion and Disease Suppression in Rice and Pigeonpea	DBT, New Delhi	Dr. Shivesh Sharma	Biotechnology	BT/PR469/AGR/05/545/2011	30-12-2011	48,93,000.00	2011-2014
34	Sorghum Stover based Biorefinery for Fuels and Chemicals	MNRE, New Delhi	Dr. Sangeeta Negi Bora	Biotechnology	7/176/2011- BF	05-03-2012	38,76,400.00	2012-2015
35	Studies on Reactivity of selected drugs and correlation with their activity	DST, New Delhi	Ms. N. Chamundeswari Bhanumati Devi	Chemistry	SR/WOS-A/CS-80/2011 (G)	12-03-2012	20,00,000.00	2012-2015
36	Design and Development of Low cost Plastic Devices for Electronics and Photonic Application	DRDO, New Delhi	Dr. P. Chakrabarti	Electronics & Communication Engineering	ERIP/ER/0803699/M/01/1423	16-04-2012	36,46,000.00	2012-2015

37	Development of Eucalyptus Globules Oil Containing Bio-adhesive Polymeric Nanoparticles and Estimation of its Cytotoxicity potential and assay against Biofilm	DST (SERB), New Delhi	Dr. Vishnu Agarwal	Biotechnology	SR/FT/LS-59/2011	15-05-2012	20,76,000.00	2012-2015
38	Chitosan Derivatives Containing Azo Based Schiff Bases: Synthesis, Characterization, Spectroscopic and Antimicrobial Studies	CSIR, New Delhi	Dr. P. K. Dutta	Chemistry	02(0059)/12/EMR-II	16-05-2012	16,50,400.00	2012-2015
39	Solar Photovoltaic Array Power Conversion using Embedded Cascaded Multilevel Inverter	DST (SERB), New Delhi	Dr. Rajesh Gupta	Electrical Engineering	SR/S3/EECE/0053/2012	06-09-2012	34,36,600.00	2012-2015
40	Organic-Inorganic Hybrid Material Based on Metal Complexes and Polyoxometalates, their Characterization and Application in Catalysis and Gas Absorption.	CSTUP, Lucknow	Dr. S.S. Narvi	Chemistry	CST/SERPD/D-1221	13-09-2012	6,56,000.00	2012-2015

# Annexure 8

## Details of Testing & Consultancy

April-12

TC NO.	Date	NAME AND ADDRESS OF CLIENTS	TYPE OF TESING/ CONSULTANCY	NAME OF PRINCIPAL INVESTIGATOR	DEPARTMENT	TOTAL AMOUNT
1	16-04-2012	The Executive Engineer Construction Division I PWD, Allahabad	Cement & Steel Test	Dr. Rama Shanker	Civil Engineering Department	22,612.00
2	16-04-2012	IFFCO Phoolpur, Allahabad	Mix Design	Dr. Rama Shanker	Civil Engineering Department	33,090.00
3	16-04-2012	The Executive Engineer Elect. Transmission Div-I UPPTCL, 57 George Town, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	8,824.00
4	16-04-2012	General Manager, Ganga Pollution Control Unit, UP Jal Nigam, Allahabad	Brick and Aggregate to Testing	Dr. Rama Shanker	Civil Engineering Department	85,483.00
5	16-04-2012	The SDM, Nagar Palika Parishad, Basti	Chemical Analysis of Concrete	Dr. Rama Shanker	Civil Engineering Department	11,030.00
6	18-04-2012	The Executive Engineer UP State Industrial Development Corporation Ltd. Construction Division-IX 21, Lowther Road, Allahabad	Road Material Testing	Dr. Shalinee Shukla	Civil Engineering Department	11,030.00
7	18-04-2012	The Executive Engineer Construction Division I PWD, Allahabad	Job Mix Design	Dr. Shalinee Shukla	Civil Engineering Department	66,180.00
8	18-04-2012	Sri J. Singhal, DGM(FOA) NTPC SSTPS, Shaktinagar	Testing of Weld Plate	Dr. R. P. Tiwari	Applied Mechanics Department	16,854.00

9	18-04-2012	The T.M. Retail Bharat Petrolium, Varanasi	Paver Block	Dr. Rama Shanker	Civil Engineering Department	4,494.00
10	20-04-2012	M/s Ratna Infrastructure Meja Urja Nigam (P) Ltd. Allahabad	Minimum and Maximum Density of Sand	Dr. Kumar Venkatesh	Civil Engineering Department	5,618.00
11	20-04-2012	The Executive Engineer Construction Division 7 PWD, Allahabad	Steel Bar & Cube Test	Dr. Rama Shanker	Civil Engineering Department	29,214.00
12	20-04-2012	DGM(FOA) NTPC SSTPS, Sonbhadra	Testing of Weld Plate	Dr. R.P. Tiwari	Applied Mechanics Department	16,854.00
13	20-04-2012	Sri Ram Lochan, Ex. Engr. UP Jal Nigam Sant Kabir Nagar	Design of PH	Dr. A. K. Sachan	Civil Engineering Department	8,824.00
14	20-04-2012	Sri Sarvesh Kumar Manager/Civil IRCON International Ltd., Raibareli	Checking of Structure Design of OHT	Dr. A. K. Sachan	Civil Engineering Department	16,545.00
15	26-04-2012	M/s IRCON International Ltd. Rail Coach Factory Project, Raibareli	Testing of Steel Sample	Dr. Ramesh Pandey	Applied Mechanics Department	17,648.00
16	26-04-2012	M/s B.R. Arora & Associates Pvt. Ltd., 25, Shivaji Marg, New Delhi	Core Test	Dr. Rama Shanker	Civil Engineering Department	8,989.00
17	26-04-2012	M/s SFA Associates Karan Palace, New Delhi	Brick Test	Dr. Rama Shanker	Civil Engineering Department	31,461.00
18	26-04-2012	The Executive Engineer UP Jal Nigam Kaushambi	Steel Test	Dr. Rama Shanker	Civil Engineering Department	8,989.00



19	26-04-2012	M/s Ashtha Associates Pvt. Ltd. Jangpura Bhogal New Delhi	Geotechnical Investigation	Dr. R.P. Tiwari	Civil Engineering Department	16,854.00
20	27-04-2012	Project Manager, IVRCL Ltd. 11/15, Circuit House Road Allahabad	Test for Construction and drinking Water	Dr. R. P. Singh	Civil Engineering Department	11,236.00
21	30-04-2012	Er. G.C. Dubey, Executive Engineer, UP Jal Nigam	Testing & Analysis of Sand	Dr. Kumar Venkatesh	Civil Engineering Department	2,248.00
22	30-04-2012	The Executive Engineer, UP Irrigation Drainage Div-I, Meerut	Technical Assessment of Irrigation Project	Dr. R. P. Tiwari	Civil Engineering Department	257,275.00
23	30-04-2012	The Executive Engineer, UP Irrigation Drainage Div-I, Meerut	Illrd Party Inspection at Hindon Project	Dr. R. P. Tiwari	Civil Engineering Department	82,035.00
24	30-04-2012	Executive Engineer Nirman Khand-2, Lok Nirman Vibhag, Allahabad	Job Mix Formula	Dr. Shalinee Shukla	Civil Engineering Department	30,337.00
25	30-04-2012	Er. P.K. Singh, A.E.-II R.E.S., Raibareli	C.C. Road Sample Strength Test	Dr. R.P. Tiwari	Civil Engineering Department	11,236.00
26	30-04-2012	The Project Manager UPPCL, Unit-2, Allahabad	Third Party Inspection of CHCs	Dr. R. P. Tiwari	Civil Engineering Department	158,634.00
27	30-04-2012	Executive Engineer Kanhar Construction, Div, Sonbhadra	Geotechnical Investigation	Dr. R. P. Tiwari	Civil Engineering Department	667,315.00
<b>TOTAL</b>						<b>1,640,909.00</b>

## May-12

1	17-05-2012	M/s Shiv Ram Builders & Engg. Consultants, 23A, Allahpur, Allahabad	Structural Design For Commercial Building	Prof. S.K. Duggal	Civil Engineering Department	100,000.00
2	17-05-2012	M/s JSD, Allahabad Development Authority, Allahabad	Paver Block Test	Dr. Rama Shanker	Civil Engineering Department	12,360.00
3	17-05-2012	M/s IVRCL Limited, 11/15 Maharshi Dayanand Marg Circuit House Road, Allahabad	Testing of Mainhole Coller	Dr. Rama Shanker	Civil Engineering Department	11,236.00
4	17-05-2012	M/s IVRCL Limited, 11/15 Maharshi Dayanand Marg Circuit House Road, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
5	17-05-2012	M/s IVRCL Limited, 11/15 Maharshi Dayanand Marg Circuit House Road, Allahabad	Brick Test	Dr. Rama Shanker	Civil Engineering Department	43,259.00
6	18-05-2012	M/s Jai Prakash Associate Ltd. Bara Thermal Power Project Lohgara Bara, Allahabad	Testing of Construction Chemical	Prof. P.K. Dutta	Chemistry Department	5,618.00
7	18-05-2012	M/s Jai Prakash Associate Ltd. Bara Thermal Power Project Lohgara Bara, Allahabad.	Testing of Concrete admixture	Prof. P.K. Dutta	Chemistry Department	5,618.00
8	18-05-2012	Project Manager, UPRNN Ltd, Allahabad	Sulphate Test of Soil	Dr. Kumar Venkatesh	Civil Engineering Department	11,236.00
9	18-05-2012	Er. B.N. Das, AE E/M AGE 'T' for GE(West), Allahabad	Water Testing	Prof. R.P. Singh	Civil Engineering Department	2,809.00
10	18-05-2012	Dy. GM (CP)/Rites Schedule 'A' Enterprises of GOI, Allahabad	Testing of Treated Waste Water	Prof. R.P. Singh	Civil Engineering Department	4,832.00

11	19-05-2012	IRCON International Ltd, Rail Coach Factory Project, Raibareli	Aggregate Testing	Dr. Rama Shanker	Civil Engineering Department	12,360.00
12	19-05-2012	Chief Executive Officer Cantonment Allahabad	Design, Drawing & Estimation of new Building of Cantt Hospital	Dr. Priyaranjan Pal	Civil Engineering Department	67,416.00
13	23-05-2012	Mr. Rajkumar, JGM/Civil IRCON International Limited, Raibareli	Checking of Structure Design of OHT	Dr. A. K. Sachan	Civil Engineering Department	29,214.00
14	23-05-2012	The Executive Engineer Flood Works Division, Allahabad	Mix Design M-25	Dr. Rama Shanker	Civil Engineering Department	28,090.00
15	23-05-2012	M/s UEM India Ltd., B-II Amarnath Jha Marg, George Town, Allahabad	Aggregate & Brick Testing	Dr. Rama Shanker	Civil Engineering Department	15,169.00
16	24-05-2012	M/s Concrete Udyog Ltd., Plot No. 5,6,7 Industrial Area, Bijdoli, Jhansi	Structural Design of Intake well cum PH	Dr. A.K. Sachan	Civil Engineering Department	30,000.00
17	24-05-2012	M/s HNB Engineering Pvt. Ltd. Duplex No. 36, Ambedkar Colony, Chowphatka, Allahabad	Cement & Aggregate Test	Dr. Rama Shanker	Civil Engineering Department	28,090.00
18	24-05-2012	M/s HNB Engineering Pvt. Ltd. Duplex No. 36, Ambedkar Colony, Chowphatka, Allahabad	Aggregate, Cement, Brick Test	Dr. Rama Shanker	Civil Engineering Department	32,023.00
19	24-05-2012	M/s HNB Engineering Pvt. Ltd. Duplex No. 36, Ambedkar Colony, Chowphatka, Allahabad	Steel Bar Test	Dr. Rama Shanker	Civil Engineering Department	44,944.00
20	24-05-2012	M/s HNB Engineering Pvt. Ltd. Duplex No. 36, Ambedkar Colony, Chowphatka, Allahabad	Aggregate, Cement, Brick Cube Test	Dr. Rama Shanker	Civil Engineering Department	34,270.00
21	25-05-2012	M/s Shiv Ram Builders & Engg. Consultants, Allahabad	Vetting of Structural Design of Entrance Gate	Prof. S. K. Duggal	Civil Engineering Department	33,708.00

22	25-05-2012	The Project Manager C&DS, Unit-10, UP Jal Nigam, Stanely Road	Geotechnical Investigation	Dr. R.P. Tiwari	Civil Engineering Department	6,742.00
23	25-05-2012	The Manager (P) Ramky Infrastructure Ltd., Allahabad	Soil Investigation	Dr. R.P. Tiwari	Civil Engineering Department	11,236.00
24	28-05-2012	The Executive Engineer Construction Division-1, PWD Allahabad	Geotechnical Investigation	Dr. R.P. Tiwari	Civil Engineering Department	213,484.00
25	28-05-2012	The Executive Engineer Construction Division-1, PWD Allahabad	Structural Design of Culvert at Km 3 & 4	Dr. A.K. Sachan	Civil Engineering Department	134,832.00
26	28-05-2012	M/s Ashtha Associates Pvt. Ltd. Jangpura Bhogal New Delhi	Design of Railway Station Platform	Prof. S.K. Duggal	Civil Engineering Department	101,124.00
27	28-05-2012	Sri K.K. Singh, Chief Engineer UP Jal Nigam 6-Dayananand Marg, Allahabad	Site Visit & Inspection report	Prof. R.P. Singh	Civil Engineering Department	33,708.00
28	31-05-2012	The Executive Engineer Vith CD UP Jal Nigam Allahabad	Pile load test	Dr. R.P. Tiwari	Civil Engineering Department	39,326.00
29	31-05-2012	The Dy Project Manager UP Bridge Corporation Ltd., Pratapgarh	Steel & Cube Test	Dr. Rama Shanker	Civil Engineering Department	33,708.00
30	31-05-2012	The Executive Engineer Construction Division-35 UP Awass Vikas Parishad, Allahabad	Brick, Cement & Steel Test	Dr. Rama Shanker	Civil Engineering Department	23,034.00
					<b>TOTAL</b>	<b>1,153,940.00</b>

## June-12

1	09-06-2012	Joint Secretary ADA, Allahabad	Paver Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
2	09-06-2012	The Executive Engineer, Elect., Transmission Div-I, UPPCL, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	11,236.00
3	09-06-2012	The Executive Engineer, Elect., Transmission Div-I, UPPCL, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	8,989.00
4	09-06-2012	M/s Ratna Infrastructure Project, Allid.	Brick Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
5	09-06-2012	The Executive Engineer, Division-II, UP Jal Nigam Allahabad	Aggregate Testing	Dr. Rama Shanker	Civil Engineering Department	6,742.00
6	09-06-2012	Er. V.S. Meena, IDSEEE, Garrison Engineer MES Faizabad	Structural Design of OHT, Column truss	Dr. A.K. Sachan	Civil Engineering Department	64,000.00
7	11-06-2012	Joint Director ADA, Allahabad	Stone ballast testing	Dr. Shalinee Shukla	Civil Engineering Department	11,236.00
8	11-06-2012	M/s Jivanlal Joitaram Patel, Engineers & Contractors Patel Estate, Station Road Thasra, Kheda, Gujarat	Ballast testing	Dr. Shalinee Shukla	Civil Engineering Department	7,865.00
9	11-06-2012	Managing Director C.S. Infra Construction Ltd, Khanver Balia	Design job mix	Dr. Shalinee Shukla	Civil Engineering Department	61,798.00
10	11-06-2012	Executive Engineer, National Highway, Phase-I, PWD, Allahabad	Job Mix Design	Dr. Shalinee Shukla	Civil Engineering Department	6,742.00

11	11-06-2012	Shri Sarvesh Kumar, Manager/Civil Ircon International Limited, Raibareli (U.P.)	Material testing	Dr. Shalinee Shukla	Civil Engineering Department	20,787.00
12	12-06-2012	M/s Narendra Kumar Gupta, Karwi, Chitrakoot	Structural design of intake well	Dr. A.K. Sachan	Civil Engineering Department	40,000.00
13	12-06-2012	M/s IVRCL Ltd., C/o Meja Urja Nigam Pvt. Ltd., Civil Lines, Allahabad	Testing of soil	Dr. Kumar Venkatesh	Civil Engineering Department	20,225.00
14	12-06-2012	M/s R.G. Buildwell, Ghaziabad	Testing of WMM materials	Dr. R.P. Tiwari	Civil Engineering Department	4,045.00
15	12-06-2012	Shri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Ballast testing	Dr. Shalinee Shukla	Civil Engineering Department	11,236.00
16	20-06-2012	Shri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Ballast testing	Dr. Shalinee Shukla	Civil Engineering Department	11,236.00
17	20-06-2012	The Executive Engineer, RES Department, Allahabad	Pavor Block & mortar test	Dr. Rama Shanker	Civil Engineering Department	23,596.00
18	20-06-2012	M/s Jyoti Structures Ltd, Arjun Nagar, Sidhi, M.P.	Core Test	Dr. Rama Shanker	Civil Engineering Department	8,989.00
19	20-06-2012	M/s Jyoti Structures Ltd, Valecha Chambers, 6th Floor, New Link Road, Oshiwara, Andheri (East), Mumbai	Testing of Cement	Dr. Rama Shanker	Civil Engineering Department	11,798.00
20	20-06-2012	M/s HNB Engineers Pvt. Ltd., Duplex No. 36, Ambedkar Vihar Colony, Allahabad.	Aggregate and Brick testing	Dr. Rama Shanker	Civil Engineering Department	21,910.00

21	21-06-2012	M/s HNB Engineers Pvt. Ltd., Duplex No. 36, Ambedkar Vihar Colony, Allahabad.	Aggregate and Brick testing	Dr. Rama Shanker	Civil Engineering Department	21,910.00
22	21-06-2012	Executive Engineer, Prantiya Khand, Lok Nirman Vibhag, Allahabad	Job Mix Design	Dr. Shalinee Shukla	Civil Engineering Department	61,798.00
23	21-06-2012	M/s HNB Engineers Pvt. Ltd., Duplex No. 36, Ambedkar Vihar Colony, Allahabad.	Aggregate and Brick testing	Dr. Rama Shanker	Civil Engineering Department	12,921.00
24	21-06-2012	Er. Rajesh Kumar, Executive Engineer, UP Jal Nigam, Mahoba	Structural design of OHT, intak well	Dr. A.K. Sachan	Civil Engineering Department	176,406.00
25	21-06-2012	Shri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Ballast testing	Dr. Shalinee Shukla	Civil Engineering Department	11,236.00
26	26-06-2012	Er. B.N. Das, AE, E/M AGE 'T', Garrison Engineer (West), Allahabad	Testing of water	Prof. R.P. Singh	Civil Engineering Department	2,809.00
27	26-06-2012	M/s GHV (India) Pvt. Ltd. Project Office, Allahabad	Permeability test of GSB	Dr. Kumar Venkatesh	Civil Engineering Department	2,248.00
28	26-06-2012	M/s SK Enterprises, Flat No. 17, New Market, PWD, Allahabad	Pavor Block & Stone grit test	Dr. Rama Shanker	Civil Engineering Department	8,427.00
29	26-06-2012	The executive Engineer, Flood Works Division, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	112,360.00
30	26-06-2012	The Project Manager UPPCL, Unit-26, Saharanpur	Technical evaluation of civil Engg at 5 location	Dr. R.P. Tiwari	Civil Engineering Department	398,427.00
31	29-06-2012	Mr. M.P. Singh, Chief Manager (Maint) IFFCO Phulpur	Surveying, geotechnical Investigation road design and design of boundary	Prof. S.K. Duggal	Civil Engineering Department	124,075.00

32	29-06-2012	M/s C.K. Enterprises, Beerapur Kamla Nagar, Allahabad	Design checking of RCC overhead tank	Prof. K.K. Shukla	Applied Mechanics Department	7,865.00
					<b>TOTAL</b>	<b>1,303,586.00</b>

## July-12

1	09-07-2012	Shri K.K. Singh, Chief Engineer (Allahabad Zone) b & Member, UP Jal Nigam, 6-Dayanand Marg, Allahabad	Field inspection	Prof. R.P. Singh	Civil Engineering Department	33,708.00
2	09-07-2012	M/S IVRCL Limited, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
3	12-07-2012	Executive Engineer, Construction Division, U.P. Jal Nigam, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	2,247.00
4	12-07-2012	The Project Engineer, CSDS Unit-10, UP Jal Nigam, Allahabad	Brick, Steel & Sand test	Dr. Rama Shanker	Civil Engineering Department	79,214.00
5	12-07-2012	M/s Bharat Petroleum Corporation Limited, Varanasi Territory Office	Pavor block test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
6	12-07-2012	The Executive Engineer, Construction Division-I, PWD, Allahabad	Brick & Mortar test	Dr. Rama Shanker	Civil Engineering Department	15,169.00
7	12-07-2012	The Executive Engineer, Division-II, UP Jal Nigam, Allahabad	Cement, Aggregate & Cube Test	Dr. Rama Shanker	Civil Engineering Department	26,404.00
8	20-07-2012	The Executive Engineer, Provincial Division, PWD, Allahabad	Bitumen Testing	Dr. Shalinee Shukla	Civil Engineering Department	10,112.00



9	20-07-2012	Principal Kripalu Mahila Mahavidyalaya, Kunda, Pratapgarh	Geotechnical Investigation	Dr. R.P. Tiwari	Civil Engineering Department	28,090.00
10	24-07-2012	The Project Manager for SMPL Infra Ltd., Mirzapur	Geotechnical Investigation Minor bridge	Dr. R.P. Tiwari	Civil Engineering Department	26,966.00
11	24-07-2012	Er. V.P. George, Project manager, SMPL Infra Ltd., Mirzapur	Structural Design of Culvert	Dr. A.K. Sachan	Civil Engineering Department	101,124.00
12	27-07-2012	Project Manager, HNB Engineers Pvt. Ltd., Allahabad	Vetting of OHT for 50KL 13.5m, 50KL 9.0m & 16m	Dr. A.K. Sachan	Civil Engineering Department	16,854.00
13	27-07-2012	The director Water & Sanitation Support Organisation, State Water & Sanitation Mission, G-3, UP Jal Nigam, Lucknow	Checking & vetting of Check Dam Design	Dr. R.P. Tiwari	Civil Engineering Department	803,374.00
14	27-07-2012	M/s R.K. Associates, MIG-211, Preetam Nagar Colony, Allahabad	Vetting of Design & Drawing	Dr. Priyaranjan Pal	Civil Engineering Department	15,730.00
15	30-07-2012	Executive Engineer, Construction Division, U.P. Jal Nigam, Allahabad	Geotechnical Investigation for OHT	Dr. R.P. Tiwari	Civil Engineering Department	28,090.00
16	30-07-2012	Mr. K.K. Gupta & Co., 47D Mumfordganj, Allahabad	Tensile Test of TMT Steel Bar	Er. Anindya Bhar	Applied Mechanics Department	11,236.00
17	31-07-2012	The Sr. Manager (FOA) MUNPL, Allahabad	Mix Design M-25, with admixture	Dr. Rama Shanker	Civil Engineering Department	33,708.00
18	31-07-2012	The Project Manager for SMPL Infra Ltd., Mirzapur	Steel, Bricks Aggregate test	Dr. Rama Shanker	Civil Engineering Department	55,618.00
					<b>TOTAL</b>	<b>1,296,632.00</b>

## August-12

1	20-08-2012	The Joint Secretary, ADA, Allahabad	Steel Bar Test	Dr. Rama Shanker	Civil Engineering Department	26,966.00
2	21-08-2012	Mr. Arvind Agarwal Engineer's Associates, Civil Lines, Allahabad	Tensile Test	Dr. S. J. Pawar	Applied Mechanics Department	11,236.00
3	21-08-2012	Mr. J. Singhal, DGM(FQA) Field Quality Assistance NTPC SSTPS, Shaktinagar	Tensile & Bend test	Dr. Ramesh Pandey	Applied Mechanics Department	8,427.00
4	26.03.13	The Executive Engineer, Construction Division, U.P. Jal Nigam, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
5	26.03.13	The Executive Engineer, Construction Division-I, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
6	26.03.13	The Executive Engineer, Construction Division-I, PWD, Allahabad	Brick and Morter Test	Dr. Rama Shanker	Civil Engineering Department	15,169.00
7	26.03.13	K. K. Gupta & Co. Builder & Contractor, Mumfordganj, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	2,247.00
8	26.03.13	The Executive Engineer, Construction Division, U.P. Jal Nigam, Allahabad	Cube Test	Dr. Rama Shanker	Civil Engineering Department	2,247.00
9	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Brick Test	Dr. Rama Shanker	Civil Engineering Department	3,933.00
10	26.03.13	The Executive Engineer, Construction Division-I, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00

11	26.03.13	The Executive Engineer, Construction Division-I, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
12	26.03.13	The Assistant Divisional Engineer (I) North Railway Lucknow	Cube Test	Dr. Rama Shanker	Civil Engineering Department	2,247.00
13	26.03.13	Chief Engineer, Ganga Pollution Control Unit. U.P. Jal Nigam Allahabad	Field Inspection for sewerage work	Dr. Ram Pal Singh	Civil Engineering Department	33,708.00
14	26.03.13	Executive Engineer IInd Division, U.P. Jal Nigam, Allahabad	Testing of Water Sample	Dr. Ram Pal Singh	Civil Engineering Department	5,618.00
15	26.03.13	HNB Engineers Pvt. Ltd, Allahabad	Vetting of Design	Prof. A. K. Sachan	Civil Engineering Department	13,484.00
16	26.03.13	The Garrioso Engineers, West, New Cantt, Allahabad	Brick Test	Dr. Rama Shanker	Civil Engineering Department	18,539.00
17	26.03.13	The Executive Engineers, CD-3 PWD, Allahabad	Mix Design (M40)	Dr. Rama Shanker	Civil Engineering Department	50,562.00
18	26.03.13	The Joint Secretary, ADA, Allahabad	Aggregate Brick, Chemical analysis of concrete	Dr. Rama Shanker	Civil Engineering Department	44,382.00
19	26.03.13	The Executive Engineer, Construction Division, U.P. Jal Nigam, Allahabad	Steel Aggregate and cement test	Dr. Rama Shanker	Civil Engineering Department	72,472.00
					<b>TOTAL</b>	<b>334,271.00</b>

## September-12

1	26.03.13	The Project Manager, SPML, Infra Limited Sector-32 Gurgaon, Hariyan	Brick Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
2	26.03.13	The Executive Engineer, Construction Division-46 (Kumbha Mela), PWD, Alld.	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
3	26.03.13	M/s GET Power Pvt. Ltd. Chennai	Cement Test	Dr. Rama Shanker	Civil Engineering Department	8,989.00
4	26.03.13	The Executive Engineer, Flood Control Division, Allahabad	Mix Design (M25)	Dr. Rama Shanker	Civil Engineering Department	28,090.00
5	26.03.13	The Executive Engineer, Flood Control Division, Allahabad	Brick and Morter Test	Dr. Rama Shanker	Civil Engineering Department	15,169.00
6	26.03.13	The Executive Engineer, Construction Division, U.P. Jal Nigam, Allahabad	Vetting of foundation design of steel tank	Prof. S. K. Duggal	Civil Engineering Department	22,472.00
7	26.03.13	Sri Bhupendra Dhapade, Major Garrison Engineer (AF) Bamrauli Allahabad	Analysis of drinking water sample	Prof. Ram Pal Singh	Civil Engineering Department	141,911.00
8	26.03.13	Assistant Engineer, Alld Central Sub Division-I (CPWD) Alld.	Paller Block Test	Prof. S. K. Duggal	Civil Engineering Department	6,742.00
9	26.03.13	Assistant Engineer, Alld Central Sub Division-I (CPWD) Alld.	Paller Block Test	Prof. S. K. Duggal	Civil Engineering Department	6,742.00
10	26.03.13	Assistant Engineer, Alld Central Sub Division-I (CPWD) Alld.	Paller Block Test	Prof. S. K. Duggal	Civil Engineering Department	6,742.00

11	26.03.13	Irrigation Division, Rudrapur (U.S. Nagar)	Third Party inspection of project at Kashipur	Prof. Ram Prakash Tiwari	Civil Engineering Department	86,911.00
12	26.03.13	M/s Jai Prakash Associate Limited, Bara Thermal Power Project, Lohgara, Tehsil Bara, Allahabad	Testing of Concrete and mixture	Dr. P. K. Dutta	Chemistry Department	8,427.00
13	26.03.13	The Project Manager, Unit-33 CSDS, UP Jal Nigam, Allid.	Bricks and aggregate test	Dr. Rama Shanker	Civil Engineering Department	17,416.00
14	26.03.13	The Project Manager, Unit-33 CSDS, UP Jal Nigam, Allid.	Bricks and aggregate test	Dr. Rama Shanker	Civil Engineering Department	17,416.00
					<b>TOTAL</b>	<b>377,701.00</b>

### October-12

1	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allid	Third Party inspection work for Maha Kumbh	Prof. Ram Prakash Tiwari	Civil Engineering Department	4,061,200.00
2	26.03.13	Mr. Sanand Kumar, Sr. Project Manager, IVRCL Ltd. Circuit House Road, Allahabad	Vetting of structural design and drawing of MEP building	Dr. Priyaranjan Pal	Civil Engineering Department	22,472.00
3	26.03.13	Assistant Engineer, Construction Division-III, Kumbha Mela, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
4	26.03.13	The Project Manager, Construction Unit 25, UP Project Corporation Ltd. Barabanki	Vetting of foundation design	Dr. Kumar Venkatesh	Civil Engineering Department	67,416.00
5	26.03.13	The Gammon India Limited, Project Office, Allahabad	Cube Test	Dr. Kumar Venkatesh	Civil Engineering Department	33,708.00

6	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Cube Test	Dr. Kumar Venkatesh	Civil Engineering Department	6,742.00
7	26.03.13	M/s ATN Advertising Service, Allahabad	Mortar test chemical analysis	Dr. Rama Shanker	Civil Engineering Department	11,236.00
8	26.03.13	M/s S P Singh Construction Pvt. Ltd., 47, Sector-9 Panchkula Haryana	Mix Design (M45)	Dr. Rama Shanker	Civil Engineering Department	56,180.00
9	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Aggregate Steel Brick, Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	98,879.00
10	26.03.13	The Dy General Manager, Field Quality, Assurance, NTPC, Shaktinagar	Aggregate and mix design	Prof. S. K. Duggal	Civil Engineering Department	238,203.00
11	26.03.13	The Project Manager, IVRCL Ltd. Maharshi Dayananad Marg Circle House Road, Allahabad	Manhole cover test	Dr. Rama Shanker	Civil Engineering Department	11,236.00
12	26.03.13	The Executive Engineer, Construction Division-I, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
13	26.03.13	The Project Manager, UPP Corporation, Allahabad	Brick and mortar test	Dr. Rama Shanker	Civil Engineering Department	40,449.00
14	26.03.13	Project Manager, Ganga Pollution Control Unit. U.P. Jal Nigam Allahabad	Aggregate and brick test	Dr. Rama Shanker	Civil Engineering Department	12,921.00
15	26.03.13	Joint Secretary-D, Allahabad Development Authority, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	12,360.00
16	26.03.13	M/s C.K Enterprises, Beerapur Kamla Nagar, Allahabad	Design and checking of overhead water tank	Prof. K. K. Shukla	Applied Mechanical Department	4,494.00

17	26.03.13	M/s Anil Kumar, 'B' Class Govt. contractor, Plot No. 68 Arajji No. 916, Kanpur	Design and checking of overhead water tank	Prof. K. K. Shukla	Applied Mechanical Department	15,506.00
					<b>TOTAL</b>	<b>4,701,990.00</b>

## November-12

1	26.03.13	Dy Project manager UPSBNC Ltd. Pratapgarrh	Testing of Fly Ash	Dr. Kumar Venkatesh	Civil Engineering Department	6,742.00
2	26.03.13	HNB Engineers Pvt. Ltd. Duplex no. 36, Ambedkar Vihar Colony Chauphatka, Allahabad	Aggregate, brick and cube test	Dr. Rama Shanker	Civil Engineering Department	70,787.00
3	26.03.13	Executive Engineer, ADA, Allahabad	Chemical analysis of mortar	Dr. Rama Shanker	Civil Engineering Department	22,472.00
4	26.03.13	HNB Engineers Pvt. Ltd. Duplex no. 36, Ambedkar Vihar Colony Chauphatka, Allahabad	Cement, sand, aggregate brick test	Dr. Rama Shanker	Civil Engineering Department	58,427.00
5	26.03.13	Assistant Engineer-II, Nirman Khand-4 (Kumbha Mela), PWD, Allahabad	WMM Material Testing	Dr. Shalini Shukla	Civil Engineering Department	5,618.00
6	26.03.13	Sri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Stone Ballast Test	Dr. Shalini Shukla	Civil Engineering Department	11,236.00
7	26.03.13	Executive Engineer, CD-1, PWD, Allahabad	WMM Testing	Dr. Shalini Shukla	Civil Engineering Department	13,483.00
8	26.03.13	Executive Engineer, Provincial Division PWD, Allahabad	Testing of VG-30	Dr. Shalini Shukla	Civil Engineering Department	5,056.00
9	26.03.13	Executive Engineer, Provincial Division PWD, Allahabad	Testing of CRMB-55	Dr. Shalini Shukla	Civil Engineering Department	5,056.00

10	26.03.13	Executive Engineer, CD-2, PWD, Allahabad	Testing of VG-30	Dr. Shalini Shukla	Civil Engineering Department	5,056.00
11	26.03.13	Executive Engineer, CD-3, PWD, Allahabad	Job mix for mestic	Dr. Shalini Shukla	Civil Engineering Department	55,618.00
12	26.03.13	Executive Engineer, CD-4, PWD, Allahabad	BM-50 & SDBC-25 job mix design	Dr. Shalini Shukla	Civil Engineering Department	101,124.00
13	26.03.13	HNB Engineers Pvt. Ltd. Duplex no. 36, Ambedkar Vihar Colony Chauphatka, Allahabad	Cement, aggregate and steel test	Dr. Rama Shanker	Civil Engineering Department	94,944.00
14	26.03.13	Mr. Sudheer Agarwal, Rishita Developers Pvt. Ltd, Lucknow	Vetting of design of foundation and super structure of multi stored building at Lucknow	Dr. Priyaranjan Pal	Civil Engineering Department	112,360.00
15	26.03.13	Joint Secretary-D, Allahabad Development Authority, Allahabad	Brick and curb stone testing	Dr. Rama Shanker	Civil Engineering Department	64,044.00
16	26.03.13	The Upper Project Manager, Allahabad Unit, UPNN Allahabad	Geotechnical investigation for multistored building	Prof. Ram Prakash Tiwari	Civil Engineering Department	193,821.00
17	26.03.13	The Executive Engineer, CD-19, U.P. Avas Vikas Parishad Sector -4, Lucknow	Geotechnical investigation for OHT	Prof. Ram Prakash Tiwari	Civil Engineering Department	91,012.00
18	26.03.13	Executive Engineer, ADA, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
19	26.03.13	JITF Aquasource Jindal ITF Centre, 28 Shivaji Marg, New Delhi	Vetting of design OHT Hydraulic design	Prof. A. K. Sachan	Civil Engineering Department	70,000.00
20	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	38,202.00



21	26.03.13	Sri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Testing of WBM Ballast	Dr. Shalini Shukla	Civil Engineering Department	67,416.00
22	26.03.13	Sri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Testing of WBM Ballast	Dr. Shalini Shukla	Civil Engineering Department	33,708.00
23	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Ballast Testing	Dr. Shalini Shukla	Civil Engineering Department	11,236.00
24	26.03.13	Sri D.S. Upadhyay, Joint Secretary, ADA, Allahabad	Testing of WBM Ballast	Dr. Shalini Shukla	Civil Engineering Department	173,034.00
25	26.03.13	The Project Manager, C&DS Unit-33 U.P. Jal Nigam, Alld.	Geotechnical investigation for pile test	Prof. Ram Prakash Tiwari	Civil Engineering Department	157,304.00
26	26.03.13	M/s Ratna Infrastructure Project Ltd. Ashok Nagar, Allahabad	Testing of water sample	Dr. Ram Pal Singh	Civil Engineering Department	5,618.00
27	26.03.13	The Executive Engineer, U.P. Jal Nigam, Gyanpur Sant Ravi Das Nagar, Bhadohi	Vetting of desing 700kl. & 1000 kl. OHT	Prof. A. K. Sachan	Civil Engineering Department	24,719.00
28	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Brick and mortar test	Dr. Rama Shanker	Civil Engineering Department	19,101.00
29	26.03.13	The Executive Engineer, Rural Engineering Department, Alld.	Brick and mortar test	Dr. Rama Shanker	Civil Engineering Department	30,899.00
30	26.03.13	The Medical Superintendent, Kamala Nehru Medical Hospital, Allahabad	Morter and brick test	Dr. Rama Shanker	Civil Engineering Department	17,416.00

31	26.03.13	The Project Manager, Ganga Pollution Control Unit, U.P. Jal Nigam, Alld.	Third party inspection	Prof. Ram Prakash Tiwari	Civil Engineering Department	140,450.00
					TOTAL	1,712,139.00

## December-12

1	26.03.13	Sri Ashok Kumar, DGM (Mech. Erection), Meja Urja Nigam (P), Civil Lines, Allahabad	Testing of Water Sample	Dr. R. C. Vaishya	Civil Engineering Department	31,016.00
2	26.03.13	Sri Ashok Kumar, DGM (Mech. Erection), Meja Urja Nigam (P), Civil Lines, Allahabad	Identification of water problems of Meja Urza Plant	Dr. Ram Pal Singh	Civil Engineering Department	22,472.00
3	26.03.13	The Assistant Divisional Engineer, N Rly, Prayag, Allahabad	Aggregate Testing	Prof. Ram Prakash Tiwari	Civil Engineering Department	2,247.00
4	26.03.13	The Chief Engineer, Nagar Nigam, Allahabad	Computer design of Nallah	Prof. A. K. Sachan	Civil Engineering Department	179,776.00
5	26.03.13	National Rural Drinking Water Mission, Govt. of Uttar Pradesh Lucknow	Supervision of third party monitoring and verification to D.P.R.S	Prof. S.C. Prasad	Civil Engineering Department	1,288,575.00
6	26.03.13	The Executive Engineer (Traffic) Nagar Nigam, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
7	26.03.13	Municipal Commissioner Allahabad Nagar Nigam, Alld.	Third party inspection of on going construction work of Nagar Nigam	Prof. Ram Prakash Tiwari	Civil Engineering Department	500,000.00
8	26.03.13	M/s Executive Engineer, Const. Division, U.P. Jal Nigam, Alld.	Cube Test	Dr. Rama Shanker	Civil Engineering Department	6,742.00

9	26.03.13	M/s Sterling and Wilson Limited, United, Kolkata	Aggregate Testing	Dr. Rama Shanker	Civil Engineering Department	33,708.00
10	26.03.13	M/s U.P. Corporation Ltd, Saharanpur	Third party inspection work of construction work at saharanpur	Prof. Ram Prakash Tiwari	Civil Engineering Department	95,733.00
11	26.03.13	BITES Limited, Lucknow	Testing of Rock	Dr. Kumar Venkatesh	Civil Engineering Department	12,360.00
12	26.03.13	M/s Gammon India, Ltd, Project Office, Allahabad	Cube Test	Dr. Kumar Venkatesh	Civil Engineering Department	24,719.00
13	26.03.13	M/s Executive Engineer, Ban Sagar Canal Construction Division-04, Mirzapur	Clarification and strength determination of rocks	Prof. Ram Prakash Tiwari	Civil Engineering Department	86,517.00
14	26.03.13	M/s Executive Engineer, Jalkal Department Nagar Nigam, Allid.	Chemical analysis of concrete	Dr. Rama Shanker	Civil Engineering Department	11,236.00
15	26.03.13	M/s Executive Engineer, CD-01, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	4,494.00
16	26.03.13	M/s Executive Engineer, U.P. Police Awas Nigam, Allahabad	Mix design M20	Dr. Rama Shanker	Civil Engineering Department	22,472.00
17	26.03.13	M/s Executive Engineer, CD-04, PWD, Allahabad	Paller Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
					<b>TOTAL</b>	<b>2,332,741.00</b>

## January-13

1	26.03.13	Sri Ravi Shanker, The Project Manager, PNC Kanpur Highways Ltd. Kanpur	Proof checking of design & drawing of Railway Portion for ROB at Kanpur	Prof. K. K. Shukla	Applied Mechanical Department	69,598.00
2	26.03.13	Dy. Project Manager, UP State Bridge Corporation, Allid.	Sample of P.I.	Dr. Kumar Venkatesh	Civil Engineering Department	2,248.00
3	26.03.13	The Executive Engineer, U.P. Parivahan Nigam, Allahabad	Mortar, Brick, Aggregate Test	Dr. Rama Shanker	Civil Engineering Department	28,652.00
4	26.03.13	Dy. G.M. (Engg.), NBCC Ltd. ITBP works Jhalwa, Bhagwatpur Road, Allahabad	Mix Design M-25	Dr. Rama Shanker	Civil Engineering Department	33,708.00
5	26.03.13	M/s Jai Prakash Associate Limited, Bara Thermal Power Project, Lohgara, Tehsil Bara, Allahabad	Testing of construction chemical sikament 170 (JK)	Dr. P. K. Dutta	Chemistry Department	2,829.00
6	26.03.13	Executive Engineer, Provincial Division PWD, Allahabad	Paller block test	Dr. Rama Shanker	Civil Engineering Department	6,180.00
7	26.03.13	The Project Manager, Unit-26, UPPCL, Saharanpur	Third party inspection at Saharanpur	Prof. Ram Prakash Tiwari	Civil Engineering Department	123,549.00
8	26.03.13	Sri A.P. Mishra, Project Manager, RITES Ltd. Lucknow	Track Ballast Testing	Dr. Shalini Shukla	Civil Engineering Department	7,865.00
9	26.03.13	Sri M.C. Srivastava, Project Manager, Ganga Pollution Control Unit, U.P. Jal Nigam, Allahabad	Ballast of bitumen testing	Dr. Shalini Shukla	Civil Engineering Department	17,977.00
10	26.03.13	Sri Manoj Pandey, AMA, Infrastructure (P) Ltd., Barhi, Katni (Bichpura), (M.P.)	Ballast Testing	Dr. Shalini Shukla	Civil Engineering Department	31,461.00

11	26.03.13	Joint Secretary-D, Allahabad Development Authority, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	9,551.00
12	26.03.13	Executive Engineer-IV, Nirman Khand-4 PWD, Allahabad	WMM Material Testing	Dr. Shalini Shukla	Civil Engineering Department	7,865.00
13	26.03.13	City Engineer, Nagar Nigam, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	8,989.00
14	26.03.13	Executive Engineer, CD-1, PWD, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	4,494.00
15	26.03.13	Executive Engineer, CD (Bridge & Road), PWD, Allahabad	CRMB - 55	Dr. Shalini Shukla	Civil Engineering Department	10,112.00
16	26.03.13	The Executive Engineer, UP State Industrial Development Corporation Ltd 21, Lowder road, Allahabad	Ballast Testing	Dr. Shalini Shukla	Civil Engineering Department	15,730.00
17	26.03.13	Project Manager, Ganga Pollution Control Unit, Allahabad	Field inspection of sewerage works at Allahabad	Dr. Ram Pal Singh	Civil Engineering Department	67,416.00
18	26.03.13	Executive Engineer, Development Authority, Allahabad	Proof checking of the design of drawing near Anand Bhawan Allahabad	Prof. S. K. Duggal	Civil Engineering Department	28,090.00
19	26.03.13	Sr. Superintendent of Police, Kumbh Mela-2013, Allahabad	Checking and vetting of desing of steel tower at Sangam, Allahabad	Prof. S. K. Duggal	Civil Engineering Department	11,236.00
20	26.03.13	The Project Manager HNB Pvt. Ltd. Pune	Cube Test	Dr. Rama Shanker	Civil Engineering Department	2,247.00

21	26.03.13	Joint Secretary, Allahabad Development Authority, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	9,551.00
22	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allid	Third party inspection of Maha Kumbh Work	Prof. Ram Prakash Tiwari	Civil Engineering Department	812,322.00
23	26.03.13	The Project Manager, C&DS U.P. Jal Nigam, Allid.	Brick and aggregate test	Dr. Rama Shanker	Civil Engineering Department	8,427.00
24	26.03.13	The Project Manager, C&DS U.P. Jal Nigam, Allid.	Brick and aggregate test	Dr. Rama Shanker	Civil Engineering Department	6,742.00
25	26.03.13	The Project Manager, C&DS U.P. Jal Nigam, Allid.	Brick and aggregate test	Dr. Rama Shanker	Civil Engineering Department	8,427.00
26	26.03.13	The Secretary, ADA Allahabad	Third party inspection of construction works of Maha Kumbh - B	Prof. Ram Prakash Tiwari	Civil Engineering Department	825,155.00
27	26.03.13	The Executive Engineer, U.P. Parivahan Nigam, Allahabad	Morter, Brick, Tile, Aggregate and Bitumen Testing	Dr. Rama Shanker	Civil Engineering Department	42,697.00
28	26.03.13	Sr. Manager, Gammon India Ltd. Project Office, Allahabad	Cube Tesing	Dr. Kumar Venkatesh	Civil Engineering Department	24,719.00
29	26.03.13	The Executive Engineer, U.P. Parivahan Nigam, Allahabad	Brick, Aggregate and Moter testing	Dr. Rama Shanker	Civil Engineering Department	42,697.00
30	26.03.13	The Executive Engineer, U.P. Parivahan Nigam, Allahabad	Brick, Aggregate and Moter testing	Dr. Rama Shanker	Civil Engineering Department	38,202.00
31	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allid	Third party inspection of Maha Kumbh - 2013	Prof. Ram Prakash Tiwari	Civil Engineering Department	145,340.00

32	26.03.13	Executive Engineer, Construction Div. PWD, Allh.	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	3,371.00
33	26.03.13	The Assistant Engineer, U.P. Parivahan Nigam, Allahabad	Brick, Aggregate and Moter testing	Dr. Rama Shanker	Civil Engineering Department	31,461.00
34	26.03.13	The Executive Engineer, Rural Engineering Department, Allh.	Testing of M. S. Clamp Plate	Dr. Anindya Bhar	Applied Mechanical Department	5,618.00
					<b>TOTAL</b>	<b>2,494,526.00</b>

### February-13

1	26.03.13	The Unit Incharge UP Rajakiya Niagam, Ltd. Allahabad	Steel Bar Test	Prof. Ram Prakash Tiwari	Civil Engineering Department	16,854.00
2	26.03.13	The Executive Engineer, Flood Control Division, Allahabad	Cement, Brick & Mortar Test	Dr. Rama Shanker	Civil Engineering Department	24,158.00
3	26.03.13	The Assistant Engineer, U.P. Parivahan Nigam, Allahabad	Mortar and siew analysis test	Dr. Rama Shanker	Civil Engineering Department	15,730.00
4	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allh	Third party inspection work of Maha Kumbh - 2013	Prof. Ram Prakash Tiwari	Civil Engineering Department	526,761.00
5	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allh	Third party inspection work of Maha Kumbh - 2013 (IInd Phase)	Prof. Ram Prakash Tiwari	Civil Engineering Department	595,859.00
6	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allh	Third party inspection work of Maha Kumbh - 2013 (IInd Phase)	Prof. Ram Prakash Tiwari	Civil Engineering Department	700,000.00

7	26.03.13	Sri Ram Builders Engg. Consultants, Allahpur, Alld.	Vetting of Structural Design	Prof. S. K. Duggal	Civil Engineering Department	44,944.00
8	26.03.13	M/s K.C. Korpai, IDSE, EE, Saogor (M.P.)	Vetting of 250 cum/day treatment plant	Prof. A. K. Sachan	Civil Engineering Department	33,708.00
9	26.03.13	The Project Manager, C&DS Unit 29, Lucknow	Design of 55 KL OHT	Prof. A. K. Sachan	Civil Engineering Department	11,236.00
10	26.03.13	Er. R.S. Singh, Executive Engineer, Nirman Khand-35 UP Awas Vikas Parishad, Alopibagh, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	16,854.00
11	26.03.13	Sri Rakesh Sharma, Administrative Officer-Kumha Mela, ADA, Allahabad	Bitumen Testing	Dr. Shalini Shukla	Civil Engineering Department	17,978.00
12	26.03.13	Executive Engineer, Nirman Khand, PWD, Kaushambi	W/M Testing	Dr. Shalini Shukla	Civil Engineering Department	8,989.00
13	26.03.13	The Assistant Executive Engineer, Allahabad Central Sub-Division III, CPWD, Allahabad	Mix Design	Prof. S. K. Duggal	Civil Engineering Department	33,708.00
14	26.03.13	M/s Bhargav Engg. Corporation, Allahabad	Mix Design	Prof. S. K. Duggal	Civil Engineering Department	61,798.00
15	26.03.13	Chief Engineer (AF), Allahabad	Design of curtain wall at Agra	Prof. S. K. Duggal	Civil Engineering Department	110,046.00
16	26.03.13	Executive Engineer, Temporary Division (NH) PWD, Sultanpur	Third party inspection of road work for Maha Kumbh - 2013 (IInd Phase)	Prof. Ram Prakash Tiwari	Civil Engineering Department	633,967.00
17	26.03.13	The Superintending Engineer, A18th Circle (NH), PWD, Alld	Third party inspection of road work for Maha Kumbh - 2013 (IInd Phase)	Prof. Ram Prakash Tiwari	Civil Engineering Department	290,011.00



18	26.03.13	The Superintending Engineer, A18th Circle (NH), PWD, Allid	Third party inspection of road work for Maha Kumbh - 2013 (IInd Phase)	Prof. Ram Prakash Tiwari	Civil Engineering Department	1,169,640.00
19	26.03.13	Executive Engineer, Temporary Division (NH) PWD, Sultanpur	Third party inspection of road work at sultanpur	Prof. Ram Prakash Tiwari	Civil Engineering Department	323,696.00
20	26.03.13	Executive Engineer, Temporary Division (NH) PWD, Sultanpur	Third party inspection of road work at sultanpur	Prof. Ram Prakash Tiwari	Civil Engineering Department	234,768.00
21	26.03.13	The Superintending Engineer, Allahabad Circle, PWD, Allid	Third party inspection work of Maha Kumbh - 2013	Prof. Ram Prakash Tiwari	Civil Engineering Department	34,958.00
22	26.03.13	The Executive Engineer UP Police Awas Nigam Ltd. Construction Unit, Kanpur	Third party inspection work of Maha Kumbh - 2013	Prof. Ram Prakash Tiwari	Civil Engineering Department	124,368.00
23	26.03.13	General Manager, Ganga Pollution Control Unit. U.P. Jal Nigam Allahabad	Testing of waste water sample	Dr. Ram Pal Singh	Civil Engineering Department	252,810.00
24	26.03.13	The Project Manager Manager, Ganga Pollution Control Unit. U.P. Jal Nigam Allahabad	Aggregate and Brick Test	Dr. Rama Shanker	Civil Engineering Department	21,910.00
25	26.03.13	The Executive Engineer, U.P. Parivahan Nigam, Allahabad	Cube destructive test	Dr. Rama Shanker	Civil Engineering Department	6,742.00
26	26.03.13	The Executive Engineer, U.P. Parivahan Nigam, Allahabad	Aggregate and cube test	Dr. Rama Shanker	Civil Engineering Department	13,483.00
27	26.03.13	M/s Dharmveer Ghai, Builders, Tagor Town, Allahabad	Floor tile test	Dr. Rama Shanker	Civil Engineering Department	3,371.00
28	26.03.13	NTPC Ltd., Sonbhadra U.P.	Tensile and bend test of welded plate sample	Dr. Anindya Bhar	Applied Mechanical Department	8,427.00

29	26.03.13	The Project Manager, U.P. Projects Corporation Unit-25, Barabanki	Third party inspection & quality check of building works at Barabanki	Prof. Ram Prakash Tiwari	Civil Engineering Department	11,236.00
30	26.03.13	M/s Sterling and Wilson Limited, Kolkata	Cement and steel bar test	Dr. Rama Shanker	Civil Engineering Department	71,910.00
31	26.03.13	M/s Sterling and Wilson Limited, Kolkata	Aggregate test	Dr. Rama Shanker	Civil Engineering Department	22,472.00
32	26.03.13	M/s Sterling and Wilson Limited, Kolkata	Cube Test	Dr. Rama Shanker	Civil Engineering Department	6,742.00
33	26.03.13	M/s Sterling and Wilson Limited, Kolkata	M. S. Bar test	Dr. Rama Shanker	Civil Engineering Department	53,933.00
34	26.03.13	M/s Sterling and Wilson Limited, Kolkata	Cube Test	Dr. Rama Shanker	Civil Engineering Department	6,742.00
35	26.03.13	HNB Engineers Pvt. Ltd. Duplex No. 36, Ambedkar Vihar Chauphatka, Allahabad	To know concentration or caustic soda solution	Dr. P. K. Dutta	Chemistry Department	562.00
36	26.03.13	M/s Jivanlal Jaitaram Patel, Patel Estate, Station Road, Thasra, Kheda (Gujrat)	Ballast Testing	Dr. Shalini Shukla	Civil Engineering Department	7,865.00
37	26.03.13	Municipal Commissioner Allahabad Nagar Nigam, Aild.	Third party inspection work of Maha Kumbh	Prof. Ram Prakash Tiwari	Civil Engineering Department	500,000.00
38	26.03.13	The Executive Engineer UP Police Awas Nigam Ltd. Construction Unit, Kanpur	Third party inspection work of Maha Kumbh	Prof. Ram Prakash Tiwari	Civil Engineering Department	19,161.00
39	26.03.13	The Executive Engineer, ECTD UPPTCL 57, George Town Allahabad	Geotechnical investigation at Anapara	Prof. Ram Prakash Tiwari	Civil Engineering Department	162,922.00

40	26.03.13	The Project Manager, C&DS Unit-33 U.P. Jal Nigam, Alld.	Brick and sand test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00
41	26.03.13	Chief Engineer, Ganga Pollution Control Unit. U.P. Jal Nigam Allahabad	Coarse sand and brick test	Dr. Priyaranjan Pal	Civil Engineering Department	8,427.00
42	26.03.13	The Assistant Executive Engineer, Allahabad Central Sub-Division III, CPWD, Allahabad	Consistency compressive strength of cement, Fineness and soundness tests	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
					<b>TOTAL</b>	<b>6,223,915.00</b>

### March-13

1	26.03.13	UPPCL Unit-26, Saharanpur	Third party inspection at CHCs at Saharanpur	Prof. Ram Prakash Tiwari	Civil Engineering Department	30,887.00
2	26.03.13	The Executive Engineer, State Ground Water Department, Mechanical Division 8/12, Myoroad, Allahabad	Mortar plan for ground water recharge in Allahabad and Pratapgarh	Dr. H. K. Pandey	Civil Engineering Department	134,832.00
3	26.03.13	The Assistant Engineer, U.P. Parivahan Nigam, Allahabad	Brick and cube test	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00
4	26.03.13	The Assistant Engineer, U.P. Parivahan Nigam, Allahabad	Bitumen and paller block test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
5	26.03.13	The Assistant Executive Engineer, Allahabad Central sub division III, CPWD, Allahabad	Mix design M-25	Prof. S. K. Duggal	Civil Engineering Department	28,090.00
6	26.03.13	The Assistant Engineer, U.P. SRTC, Allahabad	Mortar test (Chemical)	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00

7	26.03.13	Project Manager, UEM India Pvt. Ltd., A-1, Noida	Mix design M-25	Dr. Priyaranjan Pal	Civil Engineering Department	33,708.00
8	26.03.13	Assistant Engineer, ACSD-I, CPWD, 76, Luker Ganj, Alld.	Tile Tests	Dr. Priyaranjan Pal	Civil Engineering Department	15,730.00
9	26.03.13	Assistant Engineer, ACSD-I, CPWD, 76, Luker Ganj, Alld.	Tile Tests	Dr. Priyaranjan Pal	Civil Engineering Department	15,730.00
				<b>TOTAL</b>		<b>283,696.00</b>





**मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद**  
**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD**

Allahabad - 211004, Uttar Pradesh, India

[www.mnnit.ac.in](http://www.mnnit.ac.in)