



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
इलाहाबाद-२११००४ [भारत]  
**Motilal Nehru National Institute of Technology Allahabad**  
Allahabad-211004 [India]  
Website: <http://www.mnnit.ac.in>

Minutes of the Thirty Second [32<sup>nd</sup>] meeting of the Board of Governors held on 10.04.2013 at 3.15 P. M. in the Room No. 532, Conference Hall, DRDO Bhawan, Rajaji Marg, New Delhi-110105.

Following members of the Board of Governors attended the meeting.

1. Dr. V.K. Saraswat Chairman  
Scientific Advisor to Defence Minister,  
Secretary, DG, R&D,  
531, DRDO Bhawan,  
New Delhi [INDIA]
2. Prof. P.Chakrabarti Member  
Director,  
Motilal Nehru National Institute of Technology Allahabad,  
Allahabad – 211004 [INDIA]
3. Shri Navin Soi Member  
Director [Finance]  
Integrated Finance Division  
Ministry of Human Resource Development  
Government of India  
Shastri Bhawan,  
New Delhi-110 001 [INDIA]  
**[Nominee of Financial Advisor]**
4. Prof. K.S. Verma Member  
Director,  
Kamla Nehru Institute of Technology,  
Sultanpur – 228118 [INDIA]
5. Prof. J. S. P. Rai Member  
Director,  
Harcourt Butler Technological Institute  
Kanpur – 208002 [INDIA]
6. Prof. S. K. Agarwal Member  
Professor,  
Department of Mechanical Engineering  
Motilal Nehru National Institute of Technology Allahabad,  
Allahabad – 211004 [INDIA]

*[Signature]*

7. Dr.Sarvesh K. Tiwari Secretary  
Registrar,  
Motilal Nehru National Institute of Technology Allahabad,  
Allahabad – 211004 [INDIA]

**Following members were granted leave of absence:**

1. The Additional Secretary [Technical Education] Member  
Ministry of Human Resource Development  
Government of India  
Shastri Bhawan,  
New Delhi - 110 001 [INDIA]
2. Prof. Ashutosh Sharma, Member  
Professor,  
Department of Chemical Engineering,  
Indian Institute of Technology Kanpur  
P.O.- IIT Kanpur,  
Kanpur – 208016 [INDIA]

As Dr. Rama Devi did not attend three consecutive meetings of the Board of Governors, a proposal for her replacement has been sent to the Ministry of Human Resource Development on the basis of the decision of the Board of Governors. Further, action is being initiated against Mr. Deepesh Tiwari for his unauthorized absence.

**Item No. 32.01 : To confirm the minutes of the 31<sup>st</sup> meeting of the Board of Governors held on 24.12.2012.**

**Resolution :** The Board of Governors confirmed the minutes of its Thirty First [31<sup>st</sup>] meeting held on 24.12.2012 at Motilal Nehru National Institute of Technology Allahabad, with minor correction of inadvertent typographical error in respect of resolution on Item No. 31.10, as under.

Sl. No.	Name, Designation & Department	Date of Joining	Date of completion of one year of continuous service	Date of regularization	Date of acquiring Ph. D. Degree	Date of confirmation
[1]	[2]	[3]	[4]	[5]	[6]	[7]
1.	Mr. Manish Gupta, Lecturer on Contract [Redesignated as Assistant Professor], MED	07.05.2008 <i>in place of</i> 07.05.2006	06.05.2009 <i>in place of</i> 07.05.2007	07.05.2008 <i>in place of</i> 07.05.2006	03.12.2012	03.12.2012



**Item No. 32.02 : To report the action taken on the decisions taken in the 31<sup>st</sup> Meeting of the Board of Governors held on 24.12.2012.**

**Resolution :** The Board of Governors noted the action taken by the Institute on decisions taken in its Thirty First [31<sup>st</sup>] meeting held on 24.12.2012 at Motilal Nehru National Institute of Technology Allahabad, with the following observations on the action taken in respect of resolution on Item No. 31.12.

The Board of Governors expressed its strong displeasure over the fact that Mr. Ajaya Bharti failed to submit his Ph.D. thesis within the extended period stipulated by the Director on the basis of the undertaking given by Mr. Bharti. The Chairman observed that stern action including debarring the Supervisor concerned from guiding Ph.D. students in future or similar such action be initiated by the Director in such cases. However, on the basis of the undertaking and declaration submitted by Mr. Bharti, the Board of Governors resolved that Mr. Bharti may be given time upto **May 31, 2013** for submission of his Ph. D. thesis. The Board of Governors also resolved that in case, Mr. Bharti fails to submit his thesis within this period, his services will be terminated. It was further resolved that the time extension granted to Mr. Bharti is the last and final, and no further request for the same will be entertained in future.

**Item No. 32.03 : Director's Report**

**Resolution :** The Director presented his report and apprised the Board of Governors about activities and developments in the Institute since the last meeting of the Board of Governors. The Board of Governors expressed its satisfaction over the progress made by the Institute during the period and suggested that students specially those at the Post Graduate level may be involved in testing and consultancy services provided by the Institute to other organizations.

**Item No. 32.04 : [a] To consider the recommendations of the [28<sup>th</sup>] meeting of the Finance Committee scheduled on 10.04.2013.**

**[b] To note the decisions taken in the meeting of the Senate held between January, 2013 to March, 2013**



**Resolution** : **[a]** The Board of Governors considered the recommendations of the Twenty Eighth [28<sup>th</sup>] meeting of the Finance Committee held on 10.04.2013, and approved the same.

**[b]** The Board of Governors noted the decisions taken in the 43<sup>rd</sup> meeting of the Senate held on 20.02.2013.

**Item No. 32.05** : **To note and ratify the decision of the Chairman, Board of Governors regarding nomination of three persons as members of the Senate.**

**Resolution** : The Board of Governors noted and ratified the decision of the Chairman, Board of Governors regarding nomination of the following persons as members of the Senate:

- (i) Dr. Sumathi Rao, Professor 'H', Department of Physics  
Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Allahabad.
- (ii) Prof. S. N. Singh, Professor, Department of Electrical Engineering  
Indian Institute of Technology Kanpur, Kanpur.
- (iii) Prof. Partha Basu, Professor, Department of Humanities & Social Sciences  
Indian Institute of Technology Kharagpur, Kharagpur .

**Item No. 32.06** : **To consider the recommendations of the Senate regarding the Ordinances of Bachelors', Masters' and Doctoral programmes**

**Resolution** : The Board of Governors considered the recommendations of the Senate regarding the Ordinances of Bachelors', Masters' and Doctoral programmes, and approved the same with the remark that the suggestions of legal experts be obtained and incorporated in the final draft of the Ordinances.

**Item No. 32.07** : **To consider the recommendation of the Selection Committee for the post of Registrar.**

**Resolution** : The Board of Governors considered the recommendation of the Selection Committee for the post of Registrar; and approved the recommendations of the Selection Committee for appointment of **Dr. Shubendu Prakash Mathur** as Registrar of the Institute on the terms and conditions as per existing rules.



**Item No. 32.08** : To consider the recommendations of the Committee regarding grant of financial benefits to Dr. S. N. Pandey, Assistant Professor, Department of Mathematics under Career Advancement Scheme [CAS].

**Resolution** : The Board of Governors considered the recommendations of the Committee regarding grant of financial benefits to Dr. S. N. Pandey, Assistant Professor, Department of Mathematics under Career Advancement Scheme [CAS] and approved the recommendations of the Committee along with grant of financial benefits for Associate Professor position to Dr. S. N. Pandey w.e.f. 28.09.2012, the date of meeting of the Board of Governors, in which recommendation of the earlier Committee were considered.

**Item No. 32.09** : To consider the modified Vision Document of the Institute.

**Resolution** : The Board of Governors considered the modified Vision Document of the Institute and approved the same. A copy of the Vision Document as approved by the Board of Governors is enclosed as ANNEXURE-I.

**Item No. 32.10** : To consider the recommendations of Committee regarding the journals those may be considered equivalent to SCI journals in the field of management for the purpose of recruitment of faculty in the School of Management Studies.

**Resolution** : The Board of Governors considered the recommendations of the Committee regarding journals those may be considered equivalent to SCI journals in the field of management for the purpose of recruitment of faculty in the School of Management Studies, and approved the same.

**Item No. 32.11** : To note the status report regarding the restructuring of non-teaching positions.

**Resolution** : The Board of Governors noted the status report regarding the restructuring of non-teaching positions and resolved that the following positions may be advertised immediately :

- (i) Librarian [01 post]
- (ii) Chief Medical Officer [01 post]
- (iii) Medical Officers [02 posts],
- (iv) Assistant Registrar [06 posts]



**Item No. 32.12 : To consider the recruitment and promotion under CAS of faculty members.**

**Resolution :** The Board of Governors considered the proposal of the Institute for recruitment as well as promotion of faculty members under Career Advancement Scheme [CAS] and resolved that in view of the letter [F. No. 33-77/2011-TS-III, dated 18.03.2013] of the Ministry of Human Resource Development, promotion under Career Advancement Scheme [CAS] may not be carried out. The Board of Governors further resolved that an advertisement for recruitment of faculty members may be made immediately, as per qualification and experience notified vide Model Recruitment Rules for faculty of NITs by the Ministry of Human Resource Development and adopted by the Board of Governors.

**Item No. 32.13 : To consider the proposal for approval of Draft Annual Report, Audit Report and Audited Statement of Accounts for year 2011-2012.**

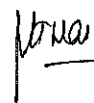
**Resolution :** The Board of Governors considered the proposal of the Institute for approval of Draft Annual Report, Audit Report and Audited Statement of Accounts for year 2011-2012, and approved the same.

**Item No. 32.14 : To note the status regarding long absence of Mr. Deepesh Tiwari, Associate Professor, Institute Industry Interaction Cell, who is also one of the members [Senate Nominee] of the Board of Governors.**

**Resolution :** The Board of Governors noted the status report regarding long absence of Mr. Deepesh Tiwari, Associate Professor, Institute Industry Interaction Cell, who is also one of the members [Senate Nominee] of the Board of Governors, and resolved that the action may be taken against Mr. Deepesh Tiwari for his unauthorized absence from the duty.

**Item No. 32.15 : To consider the Procurement Plan under TEQIP-II.**

**Resolution :** The Board of Governors considered the Procurement Plan under TEQIP-II and approved the same. A copy of the Procurement Plan under TEQIP-II as approved by the Board of Governors is enclosed as **ANNEXURE-II**.



**Item No. 32.16** : To consider the request made by Mr. Kuldhir Singh Bhati, Assistant Professor [on contract], Department of Mechanical Engineering for accepting his resignation from the services of the Institute.

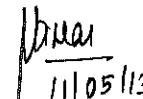
**Resolution** : The Board of Governors considered the request made by Mr. Kuldhir Singh Bhati, Assistant Professor [on contract], Department of Mechanical Engineering for accepting his resignation from the services of the Institute, and approved the same.

**Item No. 32.17** : To consider the request made by Mr. Raghvendra Singh, Assistant Proctor-cum-Hostel Manager [under suspension] for withdrawal of his suspension.

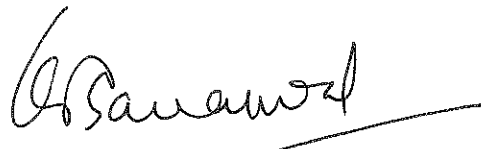
**Resolution** : The Board of Governors considered the request made by Mr. Raghvendra Singh, Assistant Proctor-cum-Hostel Manager [under suspension] for withdrawal of his suspension and resolved that suspension of Mr. Singh be revoked and he may be allowed to join subject to the condition that the balance payment for the period of suspension will be made only after decision of the Hon'ble High Court of Judicature at Allahabad, in the matter leading to his suspension. The Board of Governors further resolved that in case the Hon'ble High Court finds him guilty in the matter, action may be taken against him as per rules.

The meeting ended with thanks to the Chair.

  
[P. Chakrabarti]  
Director

  
[Sarvesh K. Tiwari]  
Registrar/ Secretary

Approved

  
[V.K. Saraswat]  
Chairman, Board of Governors







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

VISION-2020  
MNNIT, ALLAHABAD

Preamble

Motilal Nehru National Institute of Technology (MNNIT) Allahabad was established in 1961 as Motilal Nehru Regional Engineering College (MNREC) Allahabad under the joint venture of Government of India and UP Government. The primary objective was to impart undergraduate teaching leading to produce quality skilled manpower in terms of qualified, competent and good engineers for technological advancement of the country for overall sustainable development.

In 2002, Government of India envisaged the importance of RECs in the development of the country and decided to convert all the RECs into National Institute of Technology (NIT), as Institute of National Importance by an Act of Parliament. This landmark decision has given the impetus to not only imparting quality UG teaching but also to start more specialized Master's Programs and strengthen research activities in the form of Ph.D. Research and development projects and producing high quality Ph.D.'s to serve the nation. MNNIT Allahabad has completed 50 years of its glorious journey and has established many milestones in the past 50 years. There will be many more stairs to surmount in the coming years in the line of the vision of the nation. The Vision-2020 MNNIT Allahabad makes an attempt to document the future goal of the Institution to emerge as the leading Technical Institute of the Country and set the benchmark for others to follow.

The Vision 2020 of the country the aim is focused on energy, entrepreneurship and innovation. In light of India Vision 2020, MNNIT-Allahabad as a premier technological institute has revisited its Mission and Vision through a series of brainstorming sessions in order to tune it to the goals set by India Vision 2020 and future needs of the country. The following Vision, Mission and specific roadmap for 2020 has been set for the Institute. Vision and Mission statement are of general in nature which has been developed to reflect our mission & vision very clearly to the stakeholders.

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## VISION

To establish a unique identity for the Institute amongst National and International Academic and Research Organisations through knowledge creation, acquisition and dissemination for the benefit of Society and Humanity.

## MISSION

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

The present document outlines road map to achieve the vision 2020 of the Institute.

### **1. Undergraduate Education**

The Institute is committed to make sincere efforts to make the undergraduate curriculum flexible. The Institute aims to improve the environment of education in the current decade (2010-2020). The curriculum is planned to be developed in a way to make it more flexible so that students feel motivated to acquire skills, learn principles and imbibe a script of innovation.

The following action plan is suggested.

- Compulsory review of the undergraduate academic environment should be exercised every four years. It should include revision of the curriculum consisting of the existing courses, introduction of new courses, new methodologies examination and evaluation system, grading system and laboratory practices. The review should be based on feedback from the students, inputs from industry and alumni and other stakeholders, and the best practices being adopted in the leading institutions and universities.
- State-of-the-art laboratories in each department need to be established. More emphasis should be given the laboratory teaching so that students have hand-on experience. Students should be given opportunities to innovate and implement new ideas through practical design problems.
- Students-faculty relations should be further improved. Every department should form an active professional student body that would organize several events and programmes.
- Undergraduate students should be encouraged for research activity. Element of research work to be included in the course curriculum. Special credits for research work should be given

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and participation of students in the sponsored research/consultancy projects should be encouraged.

- Alongwith regular curriculum the undergraduate students will be taught Professional ethics.
- NCC/NSS will be made compulsory for all undergraduate students by assigning credits.
- New undergraduate programmes in the following emerging areas are proposed to be launched B.Tech in Mechatronics, Material Science and Engineering, Built Environment Engineering, Instrumentation Engineering, Metallurgy and B.Arch. program in Architecture is proposed to be started in view of the growing demand in the region.

## 2. Postgraduate Education

In order to fulfill the vision, the postgraduate education in the Institute should be given a new dimension in the current decade to provide quality manpower in the emerging areas of technology.

The following is the action plan.

- Each department should undertake a promotional plan for faculty members to travel to neighboring institutions and deliver lecture there to motivate the students for doing M.Tech. in different disciplines at MNNIT Allahabad.
- Each department should prepare a calendar of professional activities at the start of every semester. Participation of postgraduate students in professional activities will be made mandatory.
- Every department will have at least one state-of-the-art laboratory for research work. Each department should start a research symposium for the students every year. Students will be asked to present their research work. Provisions will be made to invite students from other universities/Institutions. Best research work will be recognised and be given an awards to be instituted by the Institute.
- New postgraduate programmes in following disciplines will be started:
  - **M.Tech.:** Hydro-power & Irrigation Engineering, Transportation Engineering, Construction Engineering & Management, Energy System, Instrumentation & Signal Processing, Robotics & Automation, Nano-Technology.
  - **Integrated M.Sc. Programs in Physical & Chemical Sciences** to cater to the needs of various Research Institutes of the country.
  - **Integrated MBA, Executive MBA, Postgraduate diploma in IPR**
  - **Integrated Dual degree (B.Tech& M.Tech.)**

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### 3. Research

The standing of an Institution of higher learning is judged by its research activities and contribution in the advancement of knowledge in the emerging areas. The research culture needs to be fostered in the minds of research students as well as the young undergraduate students.

The institute will make all efforts to strengthen collaborative research programmes in the following emerging areas with strong user (industry/society) linkages:

- **Advanced Technologies:** Construction Productivity Analysis, Mechatronics, Industrial Knowledge Management Systems, Development & Condition Monitoring of Flow Devices.
- **Electronics & Communication:** 4 G Wireless & Mobile Networks, Signal Processing, Optical Computation and Communication, Sensor Network, VLSI, Embedded Real Time System.
- **Energy Engineering:** Bio-fuels, Solar Cells, Hybrid Renewal Energy Systems, Virtual Instrumentation, Distributed Energy System, Energy Audit, Development of Energy Efficient Devices & Technologies.
- **Environment:** Urban and Industrial Waste Disposal, Rural Water Treatment, Ground Water Management, Rain Water Harvesting.
- **Exploration Technology:** Remote Sensing and Resource Planning, Geotechnical Exploration
- **Global Business:** Strategic Alliances, Intellectual Property Rights (IPR), Logistics, Forex Management, Socio-economic Policy Planning.
- **Health Care:** Bio-mechanics, Genomics and Proteomics, Bio-informatics, Chem-informatics, Bio-Medical Devices & Rehabilitation.
- **Housing:** Health Monitoring and Rehabilitation of structures, Smart and Energy Efficient Structures.
- **IT & Services:** E-governance, Web Service, Social Networks, Web-3, Multi-media Technology, Digital Right Management Systems.
- **Manufacturing:** Nano-fabrication, Robotics.
- **Material Technology:** Composite, Smart, Multi-functional and Nano-materials, MEMS and Smart Sensors.
- **Strategic & Computing Technology:** Grid & Cloud Computing, P2P, Evolutionary Computing, Information Security
- **Technology for Local & regional development:** Non-conventional Employment Opportunities, Rural-urban Migration, Social Entrepreneurship, People Public Participation (PPP)

*Handwritten signatures: H. Kar and b*

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With the collaborative research programmes the research output in form of publication in SCI journals and patents will increase. Also effort will be made to double the sponsored and consultancy research project by the end of the next decade.

#### 4. Centre of Excellence

Centre of Excellence in the respective fields of specializations from different academic departments will be set up. The sole objective of establishing these centers would be to generate research culture among UG and PG students. These centres will facilitate quality research and development activities along with resource generation by the way of taking consultancy and other research projects. During the current decade following areas will be given due importance for establishing the centres of excellence.

- Advance Centre for Interdisciplinary Research
- Centre for Biomedical Devices & Implants
- Health Monitoring and Rehabilitation of Structures, M/Cs & Devices.
- Centre for Energy & Environment
- Virtual Instrumentation
- Next Generation Communication Networks
- Software Quality Certification & Software security
- Centre for Development & Condition Monitoring of Flow Devices
- Centre for Advance Manufacturing

**A dedicated Centre for Interdisciplinary Research (CIR) is underway to promote and facilitate inter- and trans-disciplinary research. The centre will house all sophisticated high-end machines to carryout interdisciplinary research in the emerging areas. The centre will take care of challenges likely to be posed by disruptive technologies. The vision of the Institute is to convert the Centre as the Central facility for the entire eastern region of the country.**

#### 5. Society

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

- Promoting social awareness about national problem and possible solutions
- International Collaboration for faculty, students and researchers.
- Faculty Orientation and Development for the faculty members of different neighboring institute and our own faculty members.
- Skill Development for Rural Artisans and Unskilled persons

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- Innovation and Entrepreneurship Development
- Provide facilities to underprivileged section of the society
- Social Audit of Development Programs

#### 6. Resource Sharing

The Institute proposes to increase the linkages with other NITs for boosting the research activities and sharing the resources in terms of research facilities and faculty. Further, the Institute envisages to establish strong tie-up with other Institutions in and around the city of Allahabad such as IIT-Allahabad, HRI-Allahabad, Allahabad University, IIT(BHU), Varanasi, IIT-Kanpur and others so as to make optimum usage of the facilities available with all these Institutions put together in terms of technical expertise as well as research and other infrastructural resources.

#### 7. Faculty Development

It is proposed to make sincere efforts to fill up the vacancies in faculty positions and reach the target of 362 faculty members by the middle of this decade. The Institute will propose a 4-tier flexible cadre system for faculty. In order to strengthen the faculty resource the following action plans have been envisaged.

**Dual academic citizenship:** It is proposed to invite faculty members from around the world to have joint appointments with MNNIT Allahabad. These faculty members will spend some time at MNNIT, guide students, deliver special lectures and bring sponsored research funding through various International funding agencies to support the laboratory activities. The association of such eminent persons will bring a new environment of research.

The provisions for appointing adjunct faculty, visiting faculty and distinguished honorary faculty will be explored in addition to regular employments. The faculty members will be encouraged to take up research projects in collaboration with foreign experts/ foreign universities of repute in order to get an international exposure. Various incentive schemes for promoting research will be launched to encourage faculty to get involved in quality research.

#### 8. Resource Generation

In the current decade (2010-20), the institute wishes to create 5 chairs with the support of the alumni to attract the best talents of the country to this Institution. Further institute will make efforts to create corpus funds from its own revenue and donations from the Alumni and other interested philanthropies to create corpus funds to provide travel support to UG, PG and Ph.D students for attending international conferences every year. For all these the institute shall further strengthen the alumni relations and research and consultancy services. In the current decade, the institute wishes to establish an endowment fund by mobilizing the contribution from Alumni and fixed percentage from testing and consultancy services.

## 9. Student Activities

To cater to the needs of increasing student strength which is expected to go beyond 6000 from the present strength of about 5000, the Institute needs to augment the basic infrastructural facilities. For this, growth of students body, the planning of facilities, management of hostels, the organization of sports, cultural and technical events beyond regular academic curriculum, the maintenance of student relations are very sensitive and crucial issues. The involvement of faculty in many student-related activities such as culture, sports and hostel management needs considerable improvement. The fee structure of various academic programmes also needs a careful review. The fees should be commensurate with the quality as well as expenditure incurred in a program. A high level of subsidy will affect the quality of academic programmes. The student counseling service needs to be strengthened. It is necessary to provide career counseling, academic counseling and personal counseling activities. Each department should start the counseling activity. It will provide student a clear picture of advantages and disadvantages of different career options. The existing Students' Activity Centre has to be expanded to all the students. An ambitious project of developing a state-of-the-art sports complex has been planned to provide all kinds of indoor and outdoor games.

## 10. Institute Infrastructure

Developing and maintaining a good quality infrastructure is the key ingredient for achieving excellence in any academic institution. There is an urgent need to create additional infrastructure for academic departments, faculty residences, PG and research hostels and married scholar accommodations.

In the current decade the following minimum infrastructure will be added.

- 2500 additional rooms in hostels for UG and PG students so that every students gets single seated accommodation.
- 100 married accommodation for research students including QIP students and post doctoral/project fellows.
- 200 faculty residences with car parking and other basic facilities.
- Community centre, Student Activity Centre and Marketing complex in hostel and residential areas.
- 15 state-of-the-art lecture halls with minimum 200 seating capacity.
- 25 state-of-the-art lecture halls with minimum 100 seating capacity.
- More laboratory space in different department/cells.
- Separate library building with central air-conditioning and other modern learning resources.
- Faculty offices in different academic developments/cells.

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- High speed Wi-Fi internet connectivity in all campuses (Proposed bandwidth target is 1.5Gbps by the end of this decade).
- Uninterrupted power supply should be ensured.
- Modern food courts with 24 × 7 service.

**11. Human Resource Development:** The supporting staff members of Academic Institution need to well-trained. Particularly, the technical should have the expertise to handle sophisticated high-end machines. At the moment there is an acute shortage of qualified technical and ministerial staff. A comprehensive HRD policy is being chalked out for this purpose. All staff members must undergo continual training and appraisal. Staff members should be able to move in their career without any delay through rigorous internal assessment process. The institute needs more trained technical manpower for the laboratories. Staff members should have avenues of personality development. Institute should conduct different kinds of personality development and group dynamics classes. Staff members should be engaged more vigorously in official as well as extra-mural activities.

**12. Governance:** Effective governance shall ensure continuous growth of the Institute. The issue of transparency has to be reviewed from time to time. The Institute is committed to provide transparent administration. In view of Right to information Act, it becomes all the more essential to develop process of governance which is transparent.

Another method of effective governance is through the process of automation. ERP (Enterprises Resource Planning) technology has been planned to be implemented in all administrative processes, in order to ensure an effective administrative service.

The decision-making processes will use the tools of information technology. The agenda and issues of several committees such as Academic Senate, Building & Works Committee, Finance Committee and many other groups can be discussed over digital virtual platforms as when required. This will reduce the burden of administrative load on faculty members and will improve the efficiency of decision making. An e-grievance cell has been constituted to address the grievances of the stakeholder in a fast and transparent way. This system will be further strengthened to fix accountability on the defaulters in providing service.

### Conclusion

With the Vision-2020 document ready after several rounds of brainstorming sessions, the Institute is geared up to achieve the goal step-by-step by following the roadmap laid down in the Vision document. Several steps have already been initiated to match the vision of the Institute with the goal set in India Vision-2020 by taking into account the changing needs of the country and dramatic developments in the field of Science and Technology. The progress and growth of the Institute will be evaluated after regular intervals to compare and contrast them with the projected aims and objectives and necessary corrective

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**मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद**  
**इलाहाबाद-२११००४ [भारत]**  
**Motilal Nehru National Institute of Technology Allahabad**  
**Allahabad-211004 [India]**

TEQIP-II

**Institute Procurement Plan [submitted to NPIU]:**

Sl. No.	Package Name	Department	Item Name	Estimated Cost [in ₹]
1.	AMD-02	Applied Mechanics	LCR Meter	₹ 3,50,000.00
2.	AMD-03	Applied Mechanics	RF Magnetron Sputtering	₹ 14,00,000.00
3.	AMD-04	Applied Mechanics	Electrometer /High Resistance Meter	₹ 4,00,000.00
4.	AMD-05	Applied Mechanics	High Precision Oven	₹ 70,000.00
5.	AMD-06	Applied Mechanics	Spin Coater	₹ 1,50,000.00
6.	AMD-07	Applied Mechanics	Electro-physiological amplifiers and Biomechanical sensors	₹ 15,00,000.00
7.	AMD-08	Applied Mechanics	Vacuum Oven	₹ 1,00,000.00
8.	AMD-09	Applied Mechanics	Upright Solid Door Freezers (Deep Freezer)	₹ 90,000.00
9.	AMD-10	Applied Mechanics	AMD-Compilers for Computational Mechanics	₹ 5,50,000.00
10.	CED-01	Civil Engineering	Shake Table	₹ 37,00,000
			Data Logger	₹ 4,00,000
			LCR Meter	₹ 8,00,000
			Multimeter	₹ 80,000
			Oscilloscope	₹ 2,00,000
11.	CED-02	Civil Engineering	Triaxial Test Apparatus	₹ 14,50,000.00
12.	CED-03	Civil Engineering	Double Beam UV-VIS Spectrophotometer (micro processor based)	₹ 6,75,000.00
13.	ECED-01	Electronics & Communication Engineering	AVR Microcontroller Development Board , interfacing modules with RFID Solution	₹ 5,00,000.00
14.	ECED-02	Electronics & Communication Engineering	ARM Processor and GSM Board	₹ 7,00,000.00
15.	ECED-03	Electronics & Communication Engineering	Universal IC Tester	₹ 50,000.00
16.	ECED-05	Electronics & Communication Engineering	Projector	₹ 1,00,000.00
17.	ECED-07	Electronics & Communication Engineering	RF signal generators	₹ 11,00,000.00
18.	ECED-08	Electronics & Communication Engineering	Digital Camcorder	₹ 1,00,000.00
19.	ECED-09	Electronics & Communication Engineering	Digital Camera	₹ 1,00,000.00

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Sl. No.	Package Name	Department	Item Name	Estimated Cost [in ₹]
20.	ECED-12	Electronics & Communication Engineering	Universal Programmer	₹ 50,000.00
21.	ECED-13	Electronics & Communication Engineering	UPS	₹ 2,50,000.00
22.	EED-01	Electrical Engineering	Three Phase Power Quality Analyzer	₹ 6,00,000.00
23.	EED-02	Electrical Engineering	True RMS Multi Meter	₹ 99,000.00
24.	EED-04	Electrical Engineering	Programmable AC Source	₹ 20,00,000.00
25.	EED-05	Electrical Engineering	AC/DC Electronic Load	₹ 8,00,000.00
26.	EED-06	Electrical Engineering	PQube Energy and Power Quality Monitor	₹ 2,50,000.00
27.	EED-09	Electrical Engineering	Programmable function generators	₹ 3,91,000.00
28.	EED-10	Electrical Engineering	L.C.R. meter	₹ 3,80,000.00
29.	EED-32	Electrical Engineering	Clamp on Power Meter	₹ 3,00,000.00
30.	MED-01	Mechanical Engineering	Coordinate measuring machine	₹ 20,00,000.00
31.	MED-02	Mechanical Engineering	CNC Trainer	₹ 15,00,000.00
32.	MED-03	Mechanical Engineering	Computerized engine test set-up	₹ 13,00,000.00
33.	MED-04	Mechanical Engineering	Alloy constituent detector	₹ 15,00,000.00
34.	MED-05	Mechanical Engineering	High temperature furnace	₹ 9,00,000.00
<b>Total</b>				<b>₹ 2,68,85,000.00</b>

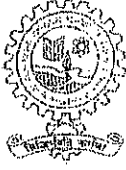


मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
इलाहाबाद-२११००४ [भारत]  
Motilal Nehru National Institute of Technology Allahabad  
Allahabad-211004 [India]

B. Item to be included in the Institute Procurement Plan:

Sl. No.	Department/ Section	Item Name	Estimated Cost [in ₹]	Justification
1.	Library	Cambridge eBooks of Engineering Collection	₹ 29,00,000/-	The ebooks would be easily accessible (24X7) amongst the students and faculty members of the Institute. Purchase of ebooks will therefore strengthen the Central Library of the institute.
2.	Applied Mechanics Department	LCR Meter with source frequency 1 MHz to 3 GHz with 100 kHz step	₹ 22,00,000/-	Research purpose for PG, PhD Students and Faculty
3.	Mechanical Engineering Department	LCR Meter with source frequency 20 Hz to 2 MHz, with 4-digit resolution	₹ 10,00,000/-	Research purpose for PG, PhD Students and Faculty

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C. Items to be dropped from the Institute Procurement Plan :

Sl. No.	Package Name	Item Name	Estimated Cost [in ₹]	Justification
1.	AMD-02	LCR Meter	₹ 3,50,000/-	Exists in CIR, MNNIT Allahabad, with Frequency range of 20 Hz to 100 KHz. Proposed to be included in revised procurement plan with revised frequency
2.	AMD-03	RF Magnetron Sputtering	₹ 14,00,000/-	This same item is already under procurement process with Tender No. OT-20/MNNIT/Purchase Office/CIR/MAGNETRON SPUTTERING /2012-13 Date: 05.12.2012, opening date 26.12.2012 on 14:30 hrs.
3.	MED-05	High Temperature Furnace	₹ 9,00,000/-	High temperature furnace for existing servo-hydraulic test system MTS-810 in the department requires up-gradation of controller. However, due to some technical reason the controller could not be upgraded till date. Therefore, it is proposed to stop the purchase of High Temperature Furnace with temperature control