

20th SPECIAL MEETING OF SENATE

Agenda



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA**

TO BE HELD ON: 10th May, 2012

**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119**

Agenda	:	20th Special Meeting of the Senate
Venue	:	Senate Hall, NIT, Kurukshetra
Date & Time	:	10th May, 2012 at 4.30 p.m.

Item No.	Agenda Item	Pages
20.1	To consider and approve decisions taken in 39 th and 40 th meetings of Standing Committee on Senate Affairs (SCSA)	1
20.2	Approval to starting of new M.Tech programs in: i) Embedded System Design ii) Renewable Energy Systems	2-3
20.3	Any other item	
	Annexure-20.1	4-79
	Annexure-20.2(1)	80
	Annexure-20.2(2)	81

Item 20.1:

To consider and approve decisions taken in 39th and 40th meetings of Standing Committee on Senate Affairs (SCSA)

39th and 40th SCSA meetings were held on 24.12.2011 and 17.04.2012 respectively. The minutes of these meetings have already been circulated to all the members of the Senate and the same are enclosed (including copies of proposals for MBA & MCA programs) as Annexure 20.1 from page 4 to 79.

The Senate may consider and approve the same.

Item 20.2:

**Approval to starting of new M.Tech programs in: i) Embedded System Design
ii) Renewable Energy Systems**

The Senate in its 18th meeting held on 01.11.2011 had approved the establishment of following four schools for PG study and research vide Item No. 18.15:

1. School of Renewable Energy & Efficiency
2. School of Material Science and Nanotechnology
3. School of VLSI Design and Embedded Systems
4. School of Biomedical Engineering

The following Core Committee was constituted to deliberate and plan all the aspects towards establishment of the above schools (Please see Annexure-20.2 (1) on page 80:

- | | |
|---------------------|----------------|
| 1. Dean (P&D) | Chairman |
| 2. Dean (Academics) | Member |
| 3. Dean (R&C) | Member |
| 4. Dr. S.P Jain | Invited Member |

The Co-ordination Committees have been constituted for the above schools vide Dean (P&D) letter dated 14.02.2012 (Please see Annexure 20.2(2) on page 81.

As a result of the deliberations of the core committee and Coordination Committees, it is proposed to start two new M.Tech programs i) M.Tech in Embedded System Design under the School of VLSI Design and Embedded Systems. The M.Tech program in VLSI Design, continuing in Deptt. of Electronics & Communication, would now be offered under the School of VLSI Design and Embedded Systems. ii) M.Tech in Renewable Energy Systems under the School of Renewable Energy & Efficiency. Both the programs are proposed to be started w.e.f. the academic session 2012-13. The scheme and syllabi for the two programs are proposed to be framed as per the revised M.Tech scheme approved in 40th SCSA meeting.

The above programs will be conducted by the respective Coordination Committees involving the faculty participation of other departments.
The scheme and syllabi of the two programs shall be framed by the respective Coordination Committee and placed before the Senate for approval.
Submitted for consideration and approval.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Annexure- 20.1

No. Acad./2012/39th SCSA/ 439

Dated: 05.01.2012

Minutes of the 39th SCSA meeting held on 24th December, 2011 at 10:35 a.m.
in the Board Room of the Institute

The following were present:-

In Chair

1. Prof. Anand Mohan, Director
2. Prof. V. K. Arora, Dean (P&D)
3. Prof. VK. Sehgal, Dean (Faculty Welfare)
4. Prof. S. K. Sharma, Dean (Students' Welfare)
5. Prof. A. Swarup, Dean (Research & Consultancy)
6. Prof. R. C. Bhattacharjee, Professor, CED
7. Prof. D. K. Soni, Professor, CED
8. Prof. N. K. Gupta, Head, CED
9. Prof. Dixit Garg, Acting Head, MED
10. Prof. Rajender Kumar, Head, HuSS Deptt.
11. Prof. (Ms.) Minati Barel, Head, Chemistry Deptt.
12. Prof. (Ms.) Little Dewan, Head, EED
13. Prof. B. K. Kaushik, Head, Physics Deptt.
14. Prof. P. J. Philip, Head, Master of Business Administration Deptt.
15. Prof. K. K. Singh, Professor, I/C Acad. Affairs & Senate
16. Prof. O. P. Sahu, Head, ECE Deptt.
17. Dr. R. P. Chaudhan, Acting Controller of Exams.
18. Dr. Mayank Dave, Head, Master of Computer Applications Deptt.
19. Dr. Jitender Chhabra, Head, Computer Engg. Deptt.
20. Prof. Kuldeep Kumar, Acting Head, Mathematics Deptt.
21. Sh. G. R. Samantaryay, Registrar I/C & Secretary, SCSA

The following decisions were taken:-

1. To consider shifting of teaching of B.Tech. 1st & 2nd Semester subjects of COT-101 and COT-103 Computer Engineering and Computer Lab to Computer Engineering Deptt. of the Institute.

The Standing Committee on Senate Affairs (SCSA) discussed the issue and resolved that the faculty from Electrical Engineering, Electronics & Communication Engineering and Computer Engineering shall be pooled up to conduct teaching of B.Tech. 1st & 2nd Semester subjects of COT-101 (Computer Engineering) and COT-103 (Computer Lab) and the concerned HODs shall be responsible to make the preparation of teaching loads in consultation with the HOD of Computer Engineering.

It was further resolved that as the Laboratories for the conduct of Computer Lab (COT-103) are established in various Departments, the practicals be carried out in various departments as it was being conducted in the past. Further, if there is shortage of class rooms, the Examination Hall can be used as class room to accommodate the large size classes.

To consider and approve degree format of B.Tech, MCA and Ph.D.

The Standing Committee on Senate Affairs approved the format of Degree Certificates of B.Tech, M.Tech, MCA and Ph.D. with some modifications as per the format enclosed herewith.

It was also resolved that the Academic Section will do some spare work by collecting the format of Ph.D. Degree Certificates of leading institutes of the country e.g. old IITs, IISc, leading Central Universities such as BHU, Varanasi, AMU, Aligarh, JNU, Delhi University and the matter will be placed before the Senate in its next meeting to discuss the various issues related with the Ph.D. Degree format.

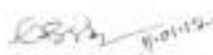
3. Any other item

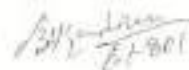
The SCSA discussed the following points and resolved as under:-

- i) The HODs will notify to the students who have to improve their sessionals of even Semester to submit their requests to the Dean(Academic) within the stipulated date and after the said date no students will be allowed to appear for the improvement of sessionals. It was also resolved that the matter of sessional improvement be placed before the Senate in its next meeting to discuss.
- ii) DMC (indicating both sessional & end semester marks) be given to all the students irrespective of passing the end semester examination or re-appear.
- iii) From odd semester of session 2011-12 and onwards sessional marks of all the students along with the break-up of all components should be submitted to the Controller of Examination.

Further, for the students who have to improve sessionals in different courses of previous semesters, their sessional marks be awarded only on the basis of performance of class tests ignoring marks of attendance & class works limited to maximum 40%.

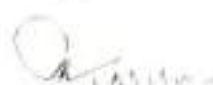
The meeting ended with a vote of thanks to the Chair.


(G.R. Samantary)
Registrar VC & Secretary, SCSA


6/12/12

All Members


Chairman, SCSA





क्रम संख्या/Sr.No. _____

लघुसंख्या/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

पदनाम _____ इलेक्ट्रॉनिक्स एण्ड कम्युनिकेशन इंजीनियरिंग

बैचलर ऑफ टेक्नालॉजी

को उपरि _____ को

पुत्र/पुत्री है, जिसने चतुस्त्रय स्नातकोत्तर्यक पूर्ण किया और निर्धारित सीमाएं पूरी की हैं।

या मुद्रा उपरि _____ को प्रदान की गई।

National Institute of Technology
Kurukshetra

herby confers the degree of
Bachelor of Technology

in _____ Electronics and Communication Engineering

on _____ who
son/daughter of Shri _____

has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निष्पादन मण्डल
Director and Chairman (Actg.)
Board of Governors

क्र. सं. 52/191

प्रमाणित/दि. 191



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

हस्ताक्षर

इलेक्ट्रिकल इंजीनियरिंग

बैचलर ऑफ टेक्नोलॉजी

को उपरि

पुत्र/पुत्री को

प्रदान करता है, जिसने परीक्षाओं को अध्ययन सम्पन्न करने के लिए आवश्यक और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।

या पुत्र/पुत्री

को प्रदान की गई है।

National Institute of Technology Kurukshetra

hereby confers the degree of
Bachelor of Technology
Electrical Engineering

in

on

son/daughter of Shri

who

has successfully completed the course of studies and passed the prescribed examinations.

Given this day, the _____ of _____ under the seal of the Institute.

कुरुक्षेत्र

Registrar

डिरेक्टर व अध्यक्ष (कार्यवाहक), नियंत्रण समिति

Director and Chairman (Acig.)

Board of Governors

क्रम संख्या/Sr.No. _____

संज्ञासंकेत/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

प्रत्यक्षता _____ सिविल इंजीनियरिंग _____ से

बैचलर ऑफ टेक्नोलॉजी

को उपर्युक्त _____ को
पुरु/पुत्री श्री _____ को
प्रदान करता है, जिसके परीक्षाक्रम का आश्रय सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
या मुद्रित तारीख _____ को प्रदान की गई।

National Institute of Technology
Kuruksheetra

heretby confers the degree of
Bachelor of Technology
Civil Engineering

in _____
on _____

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), विद्यामय मण्डल
Director and Chairman (Actg.)
Board of Governors

सं. संख्या/St.No. _____

संख्या/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

प्राप्तकर्ता _____

इन्फार्मेशन टेक्नोलॉजी

डिप्लोमा ऑफ टेक्नोलॉजी

को जहाँ _____

पुत्र/पुत्री श्री _____

प्रदान करता है, जिसने चतुष्कर्म का अध्ययन सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
को प्रदान की गई।

को प्रदान की गई।

National Institute of Technology
Kuruksheetra

hereby confers the degree of
Bachelor of Technology
Information Technology

in _____

on _____

son/daughter of Shri _____

who

has successfully completed the course of studies and passed the prescribed examinations.

Given this day, the _____ of _____ under the seal of the Institute.

पुनर्निर्देश
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियामक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संयुक्तता/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

एतद्वारा _____ मेकेनिकल इंजीनियरिंग _____ 4

बैचलर ऑफ टेक्नालॉजी

को प्रेषित
पुनः/पुनः को _____ को
प्रदान करता है, जिसने आवश्यक सभी आवश्यकताओं को पूर्ण किया है।
आ तुरंत प्रेषित _____ को प्रदान की गई है।

National Institute of Technology
Kurukshetra

hereby confer the degree of
Bachelor of Technology
Mechanical Engineering

in _____

on _____

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाही), निवामक मण्डल
Director and Chairman (Acg.)
Board of Governors

क्र. संख्या 51/196

संक्रमांक 7101/196



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

पण्डित इंडियन इंजीनियरिंग एण्ड मैनेजमेंट से
बैचलर ऑफ टेक्नोलॉजी

को उपाधि
प्राप्त की है।
इस प्रकार है, जिसने परीक्षा में उत्तीर्ण होकर पूर्ण किया और निर्धारित परीक्षाओं उत्तीर्ण की है।
मा सुनिश्चित करेंगे को उपाधि को प्राप्त

National Institute of Technology
Kurukshetra

hereby confers the degree of
Bachelor of Technology

in Industrial Engineering and Management
on son/daughter of Shri who

has successfully completed the course of studies and passed the prescribed examinations.

Given this day, the of under the seal of the Institute.

कुलपति
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), विद्यमान मंडल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sir No. _____

ट्रेडिंग/Rel No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

कम्प्यूटर इंजीनियरिंग
बैचलर ऑफ टेक्नॉलॉजी
को वर्ग
पुत्र/पुत्री की
प्रदान करता है, जिसने कुरुक्षेत्र की राष्ट्रीय प्रौद्योगिकी संस्थान में पूर्ण शिक्षा और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
को प्रदान की गई।

**National Institute of Technology
Kurukshetra**
hereby confers the degree of
Bachelor of Technology
Computer Engineering

in _____
on _____
son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निदेशक मण्डल
Director and Chairman (Actg.)
Board of Governors

पत्र संख्या: No. _____

संस्कृत संख्या: S.O. No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

पदनाम _____ कम्प्यूटर इंजीनियरिंग _____ में

मास्टर ऑफ टेक्नोलॉजी

को उपनाम _____ को

पुनःपुनः बी _____ को

इच्छा करता है, कि उसे पदनाम का अध्ययन सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।

या सुझाव उपलब्ध _____ को प्रदान की गई।

National Institute of Technology
Kurukshetra

has hereby conferred the degree of
Master of Technology
Computer Engineering

in _____

on _____

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियामक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

अनुक्रमणिका/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

आदर्श _____ इलेक्ट्रिकल इंजीनियरिंग (कंट्रोल सिस्टम) _____ में
मास्टर ऑफ टेक्नोलॉजी
को उत्तीर्ण
पुनःपुनः _____ को
प्रदान करता है, जिसने परीक्षाओं को सफलतापूर्वक पूरा किया और निर्धारित परीक्षाओं उत्तीर्ण की है।
या कुशल उत्तीर्ण _____ को प्रदान की गई।

National Institute of Technology Kurukshetra

hereby confers the degree of
Master of Technology

in **Electrical Engineering (Control System)**
on _____
son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निवामक मण्डल
Director and Chairman (Actg.)
Board of Governors



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

माध्यम _____ इलेक्ट्रिकल इंजीनियरिंग (पावर सिस्टम)
मास्टर ऑफ टेक्नालॉजी
की उपाधि _____ का
पुत्र/पुत्री हैं _____
प्रमाण कराया है कि, जिसने आवश्यकता का अध्ययन समस्त उपरोक्त पृष्ठ किया और निर्धारित तरीक़ा से उत्तीर्ण की है।
वह भविष्य में उपाधि _____ का प्रदान की गई है।

को उत्पत्ति _____ का
 पुत्र/पुत्री हैं _____ का
 प्रथम जन्मा है, जिसका पादचरम का अक्षरणी समस्तसंयुक्त रूप किया और निर्धारित की कार्य प्रतीक को है
 वह भविष्य उत्पत्ति _____ का प्रथम को है ।

National Institute of Technology
Kurukshetra

heresy confers the degree of

Master of Technology

in Electrical Engineering (Power System)

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations. _____ under the seal of the

examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

भारतीय
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निगमित मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

अनुसंधान/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

लक्ष्यार्थ _____ इलेक्ट्रिकल इंजीनियरिंग (पावर इलेक्ट्रॉनिक्स एण्ड ड्राइव्स) में
मास्टर ऑफ टेक्नोलॉजी
को उपार्ण _____ को
पुत्र/पुत्री श्री _____ को
प्रदान करता है, जिसने पाठ्यक्रम का आवश्यक सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएं उत्तीर्ण की हैं।
यह मुद्रित अवधि _____ को प्रदान की गई है।

National Institute of Technology Kurukshetra

hereby confers the degree of
Master of Technology

in _____ Electrical Engineering (Power Electronic & Drives)

on _____
son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

नृत्तसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निष्पाक मण्डल
Director and Chairman (Actg.)
Board of Governors

सं. संख्या/51/40

अनुसंधान/51/40/50



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

पदवी: मेकेनिकल इंजीनियरिंग (मशीन डिजाइन) में
मास्टर ऑफ टेक्नोलॉजी

को जहाँ
पुनर्प्राप्ति के
प्रदान करता है, जिसमें पाठ्यक्रम का अवलोकन सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
का सुनिश्चित किया गया है।

National Institute of Technology Kurukshetra

hereby confers the degree of

Master of Technology

Mechanical Engineering (Machine Design)

in _____
on _____ who
son/daughter of Shri _____
has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

बुललेटिन
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निदेशक समिति
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संज्ञासंख्या/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

पद/पदवाचक _____ मेकेनिकल इंजीनियरिंग (थर्मल इंजीनियरिंग) _____ में

मास्टर ऑफ टेक्नोलॉजी

की उपाधि _____ को

पुत्र/पुत्री की _____ को

प्रदान करता है, जिसने पाठ्यक्रम का अध्ययन सफलतापूर्वक पूरा किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।

यह मुद्रित उपाधि _____ को प्रदान की गई है।

National Institute of Technology Kurukshetra

hereby confers the degree of
Master of Technology

in Mechanical Engineering (Thermal Engineering)

on _____

son/daughter of Shri _____ who

has successfully completed the course of studies and passed the prescribed examinations.

Given this day, the _____ of _____ under the seal of the Institute.

कुलसचिव
Registrar

निर्देशक व अध्यक्ष (कार्यवाहक), निवासीक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्र. संख्या (S)/No. _____

अनुसंधान क्र. (No.) _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

संकाय संकेत _____ मेकैनिक्कल इंजीनियरिंग (इंडस्ट्रियल एण्ड प्रोडक्शन इंजीनियरिंग) _____
मास्टर ऑफ टेक्नोलॉजी

को उपरि _____ को
पुत्र/पुत्री श्री _____ को
प्रदान करता है, जिसने पाठ्यक्रम का अध्ययन सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
या वृत्ति उपरि _____ को प्रदान की गई।

National Institute of Technology
Kurukshetra

hereby confers the degree of
Master of Technology

in Mechanical Engineering (Industrial & Production Engineering)

on _____ who
son/daughter of Shri _____
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

मुद्रांकित
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), विधायक समिति
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संयुक्त संख्या/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

राष्ट्रपति _____ इलेक्ट्रॉनिक्स एण्ड कम्युनिकेशन इंजीनियरिंग _____ से

मास्टर ऑफ टेक्नोलॉजी

को उत्तीर्ण _____ को
पुनःपुनः भी _____ को
प्रदान करता है, बिनाने परीक्षाओं का आयोजन संयुक्त संस्थान के पूर्ण विषय और निर्धारित परीक्षाओं उत्तीर्ण को है।
या मुद्रित उत्पत्ति _____ को प्रदान की गई।

National Institute of Technology Kuruksheetra

hereby confers the degree of
Master of Technology

in _____ Electronics and Communication Engineering _____

on _____ who
son/daughter of Shri _____

has successfully completed the course of studies and passed the prescribed examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (सर्वसाधारण), नियंत्रक मण्डल
Director and Chairman (Acad.)
Board of Governors

एक: संख्या: 151/792

संयुक्त संख्या: 151/792



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

संयुक्त: इलेक्ट्रॉनिक्स एण्ड कम्युनिकेशन इंजीनियरिंग (बी.एच.एस.आई. डिजाइन) में
मास्टर ऑफ टेक्नोलॉजी

को उत्तीर्ण
पुरुष/पुत्री को
प्रदान करता है, जिसने परीक्षाओं में आवश्यक सफलतापूर्वक एवं निम्न को निर्दिष्ट परीक्षाएं उत्तीर्ण की हैं।
या मुद्रित उत्तीर्ण: जहां प्रदान की गई है।

National Institute of Technology Kurukshetra

herely confers the degree of
Master of Technology

in Electronics and Communication Engineering (VLSI Design)
on

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुसक्षेत्र
Registrar

निदेशक व अध्यक्ष (सर्वसाधारण), नियामक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्र. संख्या/Sr.No. _____

संक्रमांक/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

राष्ट्रपति _____
इन्स्ट्रुमेंटेशन
मास्टर ऑफ टेक्नोलॉजी
को उपाधि _____
पुत्र/पुत्री को _____ को
इदम कदा ई. जिसने परीक्षाओं का अध्ययन सफलतापूर्वक पूर्ण किया और निर्धारित सीमाएँ पूर्ण की हैं।
को प्रदान की गई।
या पुत्र/पुत्री को _____ को प्रदान की गई।

National Institute of Technology
Kurukshetra
hereby confers the degree of
Master of Technology
in _____
on _____
Instrumentation

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), विद्यार्थी मण्डल
Director and Chairman (Actg.)
Board of Governors

क्र. संख्या No./No. _____

संख्या/Serial No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

सादर _____ मे
नैनो टेक्नोलॉजी
मास्टर ऑफ टेक्नोलॉजी
को उपाधि _____ को
पुत्र/पुत्री की _____ को
प्रदान किया है, जिसने सफलतापूर्वक सभी नियत की गई शिक्षण कार्यक्रमों को पूरा किया है।
या सुदूर उपाधि _____ को प्रदान की गई है।

National Institute of Technology
Kuruksheetra

hereby confers the degree of
Master of Technology
in _____
on _____

son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), विद्यापद सभा
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संख्या/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान कुरुक्षेत्र

पदव्याय सिविल इंजीनियरिंग (सोयल मेकेनिक्स एण्ड फाउन्डेशन इंजीनियरिंग) में

मास्टर ऑफ टेक्नालॉजी

को उपरि

पुत्र/पुत्री श्री

प्रदान करता है, जिसने परीक्षाओं को सफलतापूर्वक पूर्ण किया और निर्धारित शीर्षकों उत्तीर्ण को है।
यह प्रमाण प्रमाणित करता है।

**National Institute of Technology
Kurukshetra**

hereby confers the degree of
Master of Technology

in **Civil Engineering (Soil Mechanics & Foundation Engineering)**

on

son/daughter of Shri _____ who

has successfully completed the course of studies and passed the prescribed examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियामक समिति
Director and Chairman (Actg.)
Board of Governors

प्रश्न संख्या/No. _____

संक्रमांक/Code No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

प्राप्तकर्ता _____ सिकस इंजीनियरिंग (स्ट्रक्चरल इंजीनियरिंग) में
मास्टर ऑफ टेक्नोलॉजी
को उपाधि _____ को
पुत्र/पुत्री के _____ को
प्रदान करता है, जिसने मास्टर ऑफ टेक्नोलॉजी में निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
या मुद्रित उपाधि _____ को प्रदान की गई।

National Institute of Technology
Kurukshetra

hereby confers the degree of

Master of Technology

in _____ Civil Engineering (Structural Engineering)

on _____ who
son/daughter of Shri _____
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियमक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संलग्नक/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

पाठ्यक्रम _____ सिविल इंजीनियरिंग (वाटर रिसोर्सेज इंजीनियरिंग) _____
मास्टर ऑफ टेक्नोलॉजी
को उपरि _____
पुत्र/पुत्री की _____ को
प्रदान करता है, जिसने पाठ्यक्रम को अध्ययन सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षारी उत्तीर्ण की है।
का मुद्रित उपाधि _____ को प्रदान की गई।

National Institute of Technology
Kuruksheetra

hereby confers the degree of
Master of Technology

in _____ Civil Engineering (Water Resources Engineering) _____

on _____
son/daughter of Shri _____ who
has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियामक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्र. सं. (Ser. No.) _____

संख्या/Regd. No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

पाठ्यक्रम _____ सिविल इंजीनियरिंग (ट्रांसपोर्टेशन इंजीनियरिंग) _____ में

मास्टर ऑफ टेक्नोलॉजी

को उपाधि _____ को
पुत्र/पुत्री के _____ को
प्रदान करता है, जिसने पाठ्यक्रम को सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
यह मुद्रित तारीख _____ को उद्घाटन की गई।

National Institute of Technology
Kurukshetra
hereby confers the degree of
Master of Technology

in _____ Civil Engineering (Transportation Engineering) _____

On _____ who
son/daughter of Shri _____ has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

सहसंचालक
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निदेशक मण्डल
Director and Chairman (Actg.)
Board of Governors

संस्था संख्या/Sr.No. _____

अनुक्रमणिका/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

सहपाठि _____ सिविल इंजीनियरिंग (इन्व्हायरन्समन्टल इंजीनियरिंग)
को _____

मास्टर ऑफ टेक्नोलॉजी

को उपाधि _____ को
पुत्र/पुत्री श्री _____ को
प्रदान करता है, जिसने परीक्षाओं को सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाओं में उत्तीर्ण भी है।
यह उपाधि उपाधि _____ को प्रदान की गई है।

**National Institute of Technology
Kurukshetra**

hereby confers the degree of
Master of Technology

in **Civil Engineering (Environmental Engineering)**

on _____ who
son/daughter of Shri _____ has successfully completed the course of studies and passed the prescribed
examinations.

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियमक मण्डल
Director and Chairman (Actg.)
Board of Governors

सं. संख्या/Serial No. _____

संज्ञक/Code No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

राष्ट्रपति _____ मास्टर ऑफ कम्प्यूटर एप्लीकेशन्स
को उपाधि _____ को
पुत्र/पुत्री श्री _____ को
इतना बताता है, जिसने परीक्षाओं को सफलतापूर्वक पूर्ण किया और निर्धारित परीक्षाएँ उत्तीर्ण की हैं।
का मुद्रित उपाधि _____ को प्रदान की गई है।

National Institute of Technology
Kurukshetra

hereby confers the degree of
Master of Computer Applications

on _____ who
son/daughter of Shri _____
has successfully completed the course of studies and passed the prescribed
examinations.
Given this day, the _____ of _____ under the seal of the
Institute.

कुलपति
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निदेशक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संलग्नक/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान

कुरुक्षेत्र

एतद्वारा _____ मास्टर ऑफ बिजनेस एडमिनिस्ट्रेशन
की उपाधि _____ को
पुत्र/पुत्री श्री _____ से
प्रदान करता है, जिन्होंने _____ में मुख्य
विशेषज्ञता एवं _____ में अन्य विशेषज्ञता प्राप्त कर
सफलतापूर्वक पाठ्यक्रम पूर्ण किया। _____ को प्रदान की गई।
यह मुद्रित उत्तम _____

National Institute of Technology
Kurukshetra

hereby confers the degree of
Master of Business Administration

on _____
son/daughter of Shri _____ who has
successfully completed the course of studies with _____ as
major and _____ as minor specializations and passed the
prescribed examinations.
Given this day, the _____ of _____ under the seal of the Institute,

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निदेशक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्र. संख्या/Sl. No. _____

अनुसंधान/Ref. No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

साधुद्वारा _____ इलेक्ट्रॉनिक्स एण्ड कम्युनिकेशन इंजीनियरिंग
डॉक्टर ऑफ फिलॉसफी
की उपाधि _____ को
पुत्र/पुत्री श्री _____ को
प्रदान करता है, जिसके साथ निम्नलिखित शर्तों के साथ
यह सुनिश्चित किया जाता है कि प्रदान की गई है।

National Institute of Technology
Kurukshetra

hereby confers the degree of

Doctor of Philosophy

in _____
on _____
son/daughter of Shri _____
the title of his/her thesis is _____

Given this day, the _____ of _____ under the seal of the
Institute.

कुलसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निपायक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

अनुक्रमिक/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

प्रोफेसर _____ से
डॉक्टर ऑफ फिलॉसफी
को उपधि _____ को
पुत्र/पुत्री के _____ को
प्रदान करता है, जिसके शेष विवरण के हैं।
यह उपाधि उपधि _____ को प्रदान की गई है।

National Institute of Technology
Kurukshetra

has hereby conferred the degree of
Doctor of Philosophy
Electrical Engineering

in _____
on _____
son/daughter of Shri _____
the title of his/her thesis is "

Given this day, the _____ of _____ under the seal of the
Institute.

मुख्य अधिकारी
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निपामक मण्डल
Director and Chairman (Actg.)
Board of Governors

सं. संख्या/Sl. No. _____

संख्या/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

संख्या _____ मैकेनिकल इंजीनियरिंग _____ सं.
डॉक्टर ऑफ फिलॉसफी
को स्थापित _____
पुत्र/पुत्री की _____ को
प्रदान करता है, जिसका इस विषय का विषय _____ है।
यह सुनिश्चित करता है _____ को प्रदान की गई।

National Institute of Technology
Kurukshetra

hereby confers the degree of

Doctor of Philosophy
Mechanical Engineering

in _____
on _____
son/daughter of Shri _____
the title of his/her thesis is: _____

Given this day, the _____ of _____ under the seal of the
Institute.

मुख्यसचिव
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), निदेशक मण्डल
Director and Chairman (Actg.)
Board of Governors

क्रम संख्या/Sr.No. _____

संयोजक/Roll No. _____



राष्ट्रीय प्रौद्योगिकी संस्थान
कुरुक्षेत्र

राष्ट्रपति _____ कीमती _____ से
डॉक्टर ऑफ फिलॉसफी
को उपाधि _____ को
पुत्र/पुत्री की _____ को
प्रदान करता है, जिसका नाम निम्न का होगा _____
या मुद्रा उपाधि _____ को प्रदान की गई ।

National Institute of Technology
Kurukshetra

hereby confers the degree of
Doctor of Philosophy

in _____
on _____
son/daughter of Shri _____
the title of his/her thesis is _____

Given this day, the _____ of _____ under the seal of the
Institute.

मुख्याध्यक्ष
Registrar

निदेशक व अध्यक्ष (कार्यवाहक), नियामक मण्डल
Director and Chairman (Actg.)
Board of Governors

40th MEETING OF
STANDING COMMITTEE
ON SENATE AFFAIRS
AGENDA



NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

TO BE HELD ON: 17th April, 2012

Item 1: Permission to conduct re-appear end semester exam for 5th semester Courses in even semester 2011-12 as one time relaxation

Presently, 6th semester students of B.Tech courses have approached for permission to re-appear in end semester examination of odd semester courses in which they have failed. As per Senate decision vide Item 18.7 – (A)-1, the end semester examination for 5th semester courses cannot be held after even semester. The above Senate decision is reproduced below –

"The end semester examinations for Odd and Even Semester courses are to be conducted in respective semesters only"

Keeping in view that the 6th semester students having re-appear in 5th semester courses will become non-eligible for campus placement until they clear their 5th semester course by re-appearing in the end semester exam after 7th semester and thus will have to suffer in respect of employment opportunities, it is proposed that as a one time relaxation measure, the end semester examination for 5th semester B.Tech courses may be conducted in July along with (or after) the end semester re-appear examinations for final year B.Tech/M.Tech/MSA/MCA courses.

Submitted for consideration. —

Item 2 : To consider revised M.Tech scheme

The Senate in its 11th meeting held on 01.11.2011 approved the revision of M.Tech schemes for providing greater emphasis on research on the pattern of IITs vide item 14.E. The following committee was constituted by the Hon'ble Director for revision of M.Tech schemes

1. Dean (P&D)
2. Dean (R&C)
3. Dean (Academic)
4. Prof. Jeender Chhabra, Head, Computer Engg. Deptt.
5. Dr. Ashwani Kumar, Associate Professor, Physics Deptt.

The draft revised M.Tech scheme is enclosed.

Revised M.Tech. Scheme

Introduction:

The senate in its 18th meeting held on 01.11.2011 approved the revision of M.Tech. Scheme for providing greater emphasis on research on the pattern of IIT's / other premier institutions vide item no. 18.8.

Hon.ble Director was pleased to constitute the following committee to draft the revised M.Tech. scheme.

1. Dean (P & D)
2. Dean (Academics)
3. Dean (R & C)
4. Dr. Jitender Chhabra
5. Dr. Ashwani Kumar

The committee has prepared a draft of revised M.Tech. Scheme which is enclosed for consideration / approval of SCSA.

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
MASTER OF TECHNOLOGY, (M.TECH.) REVISED SCHEME

SEMESTER - I

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	CORE-1	3-0-2	4
	CORE-2	3-0-2	4
	CORE-3	3-0-0	3
	ELECTIVE-1	3-0-0	3
	ELECTIVE-2	3-0-0	3
	SEMINAR	0-0-2	1
		21	18

Weightage for Theory Courses:

During Semester Evaluation Weightage - 50%
End Semester Examination Weightage - 50%

Weightage for Lab Courses:

During Semester Evaluation Weightage - 60%
End Semester Examination Weightage - 40%

List of Electives:

NATIONAL INSTITUTE OF TECHNOLOGY, KIRUKSHETRA
MASTER OF TECHNOLOGY, (M.TECH.) SCHEME

SEMESTER - II

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	CORE-1	3-0-2	4
	CORE-2	3-0-2	4
	ELECTIVE-1	3-0-0	3
	ELECTIVE-2	3-0-0	3
	ELECTIVE-2	3-0-0	3
	ELECTIVE-2	0-0-2	1
	SEMINAR	21	18

Weightage for Theory Courses:

During Semester Evaluation Weightage - 50%
End Semester Examination Weightage - 50%

Weightage for Lab Courses:

During Semester Evaluation Weightage - 60%
End Semester Examination Weightage - 40%

List of Electives:

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
MASTER OF TECHNOLOGY, (M.TECH.) SCHEME

SEMESTER - III

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	Dissertation-Part I	0-0-20	10
		20	10

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA
MASTER OF TECHNOLOGY, (M.TECH.) SCHEME

SEMESTER - IV

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	Dissertation-Part II	0-0-32	16
		32	16

Explanatory Note:

The scheme has been prepared keeping in view that the programme should place sufficient emphasis on the research work.

The main features of the proposed scheme are:

- The total theory courses with credits are 10 spread over 1st and 2nd semester.
- The laboratory content associated with the theory courses are integrated with the theory courses itself so that no practical course need be offered separately.
- The dissertation has been allotted 26 credits out of total 60 credits for the whole program. It is expected that this will ensure that students work hard for their dissertation and produce some worthwhile research output.
- The course "research methodology" is proposed to be a compulsory course without credit. However, it will be essential for the students to pass this course. If a student fails in this course then he/she will not be permitted to submit the dissertation until he/she passes this course.

Evaluation

- The students will be awarded grades in various courses following the same procedure/rule as are being followed for B.Tech courses.
- The dissertation in 3rd and 4th semester shall be evaluated by a committee comprising the following:
 1. HOD or faculty nominee proposed by HOD and approved by Dean (acad)
 2. Dissertation Supervisor
 3. A faculty member from other department as proposed by the Supervisor and approved by the HOD
- Dissertation in 3rd semester shall be evaluated by the committee on the basis of two seminars presented and one report submitted by the candidate (at the time of second presentation) to the committee. The committee will decide whether the student's performance has been satisfactory or not. In case of unsatisfactory performance, the dissertation Part I will be extended to semester IV. The student will be permitted to register for dissertation Part II only after dissertation Part I has been completed satisfactorily.
- In 3rd semester the student will not be awarded letter grade.
- In the 4th semester the student will be permitted to submit dissertation after the end of even semester classes. After the dissertation submission, the same committee which evaluated the performance of the student in dissertation Part I will evaluate the final dissertation through presentation/viva-voce examination. The committee at this stage will award the letter grade for 26 credits on the basis of following criteria:

Credit Based Dissertation Evaluation

Semester IV

Grade Awarded	Conditions to be fulfilled
A+	One paper accepted/published in SCI Journal
A	One good quality paper accepted/published in non-paid journal or two good quality papers presented in international / national conference.*
B	One good quality paper presented in international conference
OT	In other cases

* Conference organized by IIT / NIT / a premier R & D organization.

Non-Credit Based Dissertation Evaluation

Semester III

Performance	Dissertation Part I completed. Candidate allowed to register for dissertation Part II.
Satisfactory	Dissertation Part I extended to IV semester
Not Satisfactory	

Item 3: Regularization of MBA and MCA programs

The Senate in its 18th meeting held on 01.11.2011 approved the starting of regular MBA and MCA programs and authorized the Hon'ble Director to constitute a committee to submit its recommendations. Accordingly, Dr. V.K. Azor, Dean (P&D) and Convener of the committee formed two sub-committees under the convenership of Dr. P.J. Philip and Dr. Mayank Dave to frame the proposal for starting regular MBA and MCA programs respectively. The committees have submitted the proposals which are enclosed for consideration and approval of SCSA.

A Proposal for Introducing Regular Master of
Computer Applications (MCA) from Academic Year
2012-13

National Institute of Technology Kurukshetra-136119

Contents

	Page No.
Contents	1
List of Tables	2
Preface	3
1.0 Introduction	4
2.0 Details of the Proposed MCA Programme	4
2.1 Number of Seats	5
2.2 Eligibility for Admission	5
2.3 Scheme and Syllabi	6
3.0 Requirements for Starting the MCA Programme	6
3.1 Grant for Recurring Expenditure	6
Manpower Requirement	7
Faculty Requirement	7
Non-teaching Requirement	7
Annual Maintenance Expenses	7
3.2 Grant for Nonrecurring Expenditure	8
Infrastructure Requirements for Existing Built	8
Existing Class Rooms & Laboratory	8
Expected cost for purchasing Hardware, Software & Office Accessories	9
4.0 Conclusion	9
Appendix 1 : Scheme and Syllabi (Duly approved by Deptt. BOS)	10

List of Tables

No.	Details of the Table	Page No.
Table 1	Category wise distribution of seats	5
Table 2	Manpower requirement and expected annual expenditure in terms of their salaries	7
Table 3	Annual Maintenance Expenses	7
Table 4	Expected expenditure in developing class rooms and laboratories	8
Table 5	Expected cost of purchasing hardware, software and office accessories	9

PREFACE

This document is a proposal for starting 3-year Master of Computer Applications (MCA) programme on regular basis (Govt-Funded) in the Department of Computer Applications at National Institute of Technology, Kurukshetra from academic year 2012-13.

1.0 Introduction

The National Institute of Technology, Kurukshetra, a fully funded institute of the central government, has been declared an institute of national importance. The institute enjoys the status of deemed university and imparts education in various disciplines of engineering and technology. It offers UG, PG, and research programmes in different disciplines of engineering and technology. Department of Computer Applications, came into existence in 2007 and started 3-year MCA programme with 60 seats in self-finance basis. The intake capacity was further extended to 80, and now, it is 92 due to implementation of OBC Act. From 2007 to August 2011, The new building of the department was constructed in 2011 from its own funds. The department is also establishing state of art laboratory facilities for MCA students in the new premises.

With the need to strengthen quality education the department has potential to regularize (Govt-Funded) its 3-year MCA programme w.e.f from 2012-13 with intake of 60.

2.0 Details of the MCA Programme

Keeping in view the industrial growth in the country and requirement of quality manpower equipped with Master's degree in Computer Applications, particularly in technical education / information technology (IT) sector in India and abroad there is strong demand of trained and skilled manpower in this important stream.

2.1 Number of Seats

It is proposed that there will be 90 seats in total per year out of which 60 seats will be Govt-Funded Seats and 30 will be Self-Financed Seats. Govt-Funded Seats will be the seats having complete support of funds from Govt. of India and Institute. These seats will follow the reservation policy of Govt. of India, the breakup of which is as follows:

Table 1: Category wise distribution of Govt-Funded Seats

Quota	OP	Differently Able (OP)	OBC	Differently Able (OBC)	SC	Differently Able (SC)	ST	Differently Able (ST)	Total seats
All India	29	01	14	01	09	-	04	-	60

Note: SC/ST/OBC and Differently Able (PD) reservations—As per Government of India Rules

The fee structure for the Govt-Funded Seats will be as per the PG courses of the Institute.

The Self-Financed Seats will not get any financial support from the Govt of India. The seats distribution initially will be as per reservation policy of Govt of India. If some of these self-financed seats in reserved category do not get filled, same will be converted to Open seats after 2 rounds. These seats will have fee of Rs 1,00,000 per annum plus annual charges as per Institute rules. This fee will be reviewed and revised from time to time.

2.2 Eligibility for Admission:

Admission criteria for both category of seats (Govt-Funded Seats and Self-Financed Seats) will be same. The eligibility and admission criteria will be as laid down by NIT's MCA Common Entrance Test (NIMCET) held every year.

2.3 Scheme and Syllabi

The scheme and syllabi for the proposed programme are detailed in Appendix 1. However, the department is in the process of updating the same.

3.0 Requirements for Starting the Master of Computer Application (MCA) Programme:
 To introduce 3-year Master of Computer Application (MCA) programme on regular basis, the department needs to extend/upgrade its existing facilities/infrastructure. To fulfil new requirements, the department needs grants for the recurring and nonrecurring expenditures. Sections 3.1 and 3.2 describe the details of grants required for recurring and nonrecurring expenditures.

3.1 Grant for Recurring Expenditure

This grant includes major component as running cost of the programme in terms of salaries of the newly recruited teaching and non-teaching staff and scholarships offered to the students. Table 2 exhibits the manpower requirement and expected annual expenditure. Table 3 exhibits annual maintenance expenses for Computers, UPS, A/Cs and other equipments. The department will further require Department Operational Cost (DOC) for incidental expenses on postage, consumables - Stationery, Cartridges and other contingent expenses.

Table 2: Manpower requirement and expected annual expenditure in terms of their salaries*

* Total Govt-Funded Seats: 60×3 (3 year course) = 180*

Faculty Requirements as per 12:1 ratio: $180/12 = 15$

Total Non-Teaching & Teaching Support Staff Requirements: $15 \times 1.1 = 17$

Department's Non-Teaching & Teaching Support Staff Requirements: 6

Type of staff	Designation	No. of Posts	Approximately Monthly Salary in INR	Expected Annual Expenditure in Rs (at present rates & pay-scales)	
				Annual Salary x Posts	Total (INR)
Teaching Staff	Professor	2	95000	1140000×2	2280000
	Associate Professor	5	80000	960000×5	4800000
	Assistant Professor	8	40000	480000×8	3840000
Non-teaching Technical Staff (Teaching Supporting)	Technician	1	11000	132000×1	132000
	Sr. Technician	1	16000	192000×1	192000
	Technician Gr. II	1	18000	216000×1	216000
	Technical Assistant	1	20000	240000×1	240000
	Sr. Technical Assistant	1	22,000	264000×1	264000
	Technical Assistant Gr II	1	24000	288000×1	288000
	Programmer	1	35000	420000×1	420000
	Lab Attendant (Outsourced)	1	DC Rate (6200)	74400×1	74400
	Jr. Assistant (Store keeper)	1	11000	132000×1	132000
	Seno	1	11000	132000×1	132000
Non-teaching Office Staff	Peon / Attendant (Outsourced)	1	DC rate (5400)	64800×1	64800
	Sweeper (Outsourced)	1	DC rate (5400)	64800×1	64800
	Sub-total (annually) Rs. (INR)				131.40 lacs

* Refer to MHRD Letter No. 23-3/06-IPD dated 8th May, 2006

* Designations of the faculty and staff are as per the present nomenclature of the Institute and will be mapped to new designations as per MHRD guidelines, wherever applicable.

Above salary structure is indicative only and is based on norms.

Table 3: Annual Maintenance Expenses

Item	Cost in
Expected Annual Maintenance for Computers, UPS, ACs, peripherals, operational ex.Aadding prices etc.	5.0 lacs
Addition to Library Resources	2.0 lacs
Total (INR) R2	7.0 lacs

$$\text{Total Annual Recurring Grant} = R1 + R2 = 131.40 + 7.0 = 138.40 \text{ lacs}$$

The necessity of recurring-grants for future development will be included in the plan grant proposals of subsequent years.

3.2 Grant for Non Recurring Expenditure

This grant includes expenditure incurred in developing infrastructural facilities like lecture & tutorial rooms and laboratory and purchasing hardware/machinery/software. Present infrastructure is insufficient. Table 4 exhibits expected expenditure in creating infrastructure for class rooms and laboratories. Civil work is already completed in the new building and expected expenses are indicated. Table 5 mentions expected cost for purchasing hardware and software.

Table 4: Expected expenditure in developing infrastructure for existing built class rooms, laboratories & library (one time grant)

S. No.	Building	Qty.	Item Required	Expected Cost in
1.	Class rooms	2	Multimedia facilities, AC, Furnishing etc.	4.0 lacs
2.	Laboratory	2	Multimedia facilities, AC, Furnishing, furniture etc.	10 lacs
3.	Seminar	1	—do—	2.0 lacs
4.	Library	1	Books etc	5.0 lacs
5.	Cabins for HOD/Faculty/Office	9	Furniture, furnishing etc.	4.0 lacs
Sub-total (NR1)				25 lacs

Table 5: Expected cost for purchasing hardware, software and office accessories (Initial Cost)

S. No.	Machinery	Approx. Cost in
1.	Computer Hardware including computer networking, UPS, printer etc.	20 lacs
2.	Computer Software	15 lacs
3.	Office accessories and furnishing	5 lacs
	Sub-total (NR ₂)	40 lacs

Total Non Recurring Grant = NR₁ + NR₂ = ₹ 65 lacs

The necessity of non-recurring-grants for future development will be included in the plan grant proposals of subsequent years.

NOTE: Additional requirements of funds for faculty, staff and other expenditure in respect of 30 self-financed seats will be met out of the fee collected for these seats.

4.0 Conclusion

This proposal exhibits that the necessary grants of ₹ 138.40 lacs and ₹ 65 lacs are required for introducing 3-year Master of Computer Applications (MCA) programme on regular basis as recurring and nonrecurring expenditures respectively.

APPENDIX - 3



MCA- I SEMESTER SCHEME
MASTER OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

SEMESTER - I

SUBJECT CODE	COURSE TITLE	LECTURE hrs	LAB hrs	CREDITS
MCA-101	Computer Programming	4	0	4
MCA-103	Computer Organization and Architecture	4	0	4
MCA-105	Discrete Mathematics	4	0	4
MCA-107	Microprocessors	4	0	4
MCA-109	File Structures	0	3	1.5
MCA-111	Computer Programming Lab	0	3	1.5
MCA-113	Microprocessor Lab	Total Credits		23

Weightage for Theory Courses:

During Semester Evaluation Weightage - 50%
End Semester Examination Weightage - 50%

Weightage for Lab Courses:

During Semester Evaluation Weightage - 60%
End Semester Examination Weightage - 40%



MCA - II SEMESTER SCHEME
MASTER OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

SEMESTER - II

SUBJECT CODE	COURSE TITLE	LECTURE hrs	LAB hrs	CREDITS
MCA 102	Data Structures and Algorithms	4	0	4
MCA 104	Object Oriented Programming	4	0	4
MCA 106	Programming Languages	4	0	4
MCA 108	Operating Systems	4	0	4
MCA 110	Numerical Analysis and Optimization Techniques	4	0	4
MCA 112	Data Structures and Algorithms Lab	0	3	1.5
MCA 114	Object Oriented Programming Lab	0	3	1.5
MCA 116	Computational Techniques Lab	0	3	1.5
Total Credits				24.5



MCA - II SEMESTER SCHEME
MASTER OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

SEMESTER - III

SUBJECT CODE	COURSE TITLE	LECTURE hrs	LAB hrs	CREDITS
MCA 201	Database Management Systems	4	0	4
MCA 203	Software Engineering	4	0	4
MCA 205	Computer Networks	4	0	4
MCA 207	Visual Programming	4	0	4
MCA 209	Web Engineering	0	2	1
MCA 211	Database Systems (Pr.)	0	2	1
MCA 213	Visual Programming (Pr.)	0	2	1
MCA 215	Web Engineering (Pr.)	1	0	1
MCA 217	SEMINAR	Total Credits		24



MCA - IV SEMESTER SCHEME
MASTER OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

SEMESTER - IV

SUBJECT CODE	COURSE TITLE	LECTURE hrs	LAB hrs	CREDITS
MCA 202	Server Side Computing with Java	4	0	4
MCA 204	Linux and Shell Programming	4	0	4
MCA 206	System Programming	4	0	4
MCA 208	Elective-I	4	0	4
MCA 210	Elective-II	4	0	4
MCA 212	Server Side Computing Lab (Pr.)	0	2	1
MCA 214	Unix Programming (Pr.)	0	2	1
MCA 216	Mini Project	0	2	1
MCA 218	SEMINAR	1	0	1
Total Credits				24

List of Electives

- MCA 220 Data Warehousing and Data Mining
- MCA 222 System Security and Cryptography
- MCA 224 E-Governance
- MCA 226 E-Commerce



MCA - V SEMESTER SCHEME
MASTER OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, Kharagpur

SUBJECT CODE	COURSE TITLE	LECTURE hrs	LAB hrs	CREDITS
MCA-311	System Analysis and Design	4	0	4
MCA-303	Computer Graphics and Multimedia	4	0	4
	Elective- I*	4	0	4
	Elective - II#	0	2	1
MCA-305	Computer Graphics Lab	0	4+2*	4
MCA-307	Major Project	0	1	1
MCA-309	Seminar	0		
Total Credits				22

List of Electives:

*Any one out of the following:

- MCA 311 Compiler Design
MCA 313 Wireless and Mobile Computing

#Any one out of the following:

- MCA 315 Bioinformatics
MCA 317 Enterprise Resource management



MCA - VI SEMESTER SCHEME
MASTER OF COMPUTER APPLICATIONS
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

SUBJECT CODE	COURSE TITLE	Time Duration	CREDITS
MCA-302A	Industrial Project*	Full semester	24
		Total credits	24

* Project work shall be pursued for a minimum of 16 weeks.

A Proposal for
Introducing Regular Master of Business
Administration (MBA) from the
Academic Year 2012-13

National Institute of Technology
Kurukshetra-136119

Contents

		Page No.
	Contents	1
	List of Tables	2
	Preface	3
	Introduction	4
1.0		
2.0	Details of the Proposed MBA Program	4
	Number of Seats	5
2.1	Eligibility for Admission	5
2.2	Scheme and Syllabi	6
2.3		
3.0	Requirements for Starting the MBA Program	6
	Grant for Recurring Expenditure	6
3.1	Manpower Requirement	7
	Faculty Requirement	7
	Non-teaching Requirement	7
	Annual Maintenance Expenses	8
	Grant for Nonrecurring Expenditure	8
3.2	Infrastructure Requirements for Existing Building	8
	Existing Class Rooms & Laboratory	8
	Expected cost for purchasing Hardware, Software & Office Accessories	9
	Conclusion	9
4.0		
	Appendix 1 : Scheme and Syllabi (Duly approved by Deptt. BOS)	10

List of Tables

No.	Details of the Table	Page No.
Table 1	Category wise distribution of staff	2
Table 2	Manpower requirement and expected annual expenditure in terms of their salaries	7
Table 3	Annual Maintenance Expenses	8
Table 4	Expected expenditure in developing class rooms and laboratories	8
Table 5	Expected cost of purchasing hardware, software and office accessories	9

PREFACE

This document contains a proposal for starting a two-year Master of Business Administration (MBA) program, on regular (government-funded) basis, in the Department of Business Administration at National Institute of Technology, Kurukshetra, from the Academic Year 2012-13.

1.0 Introduction

The National Institute of Technology, Kurukshetra, a fully funded institution of the Central Government, has been declared an Institution of National Importance. The institute offers the status of a university and imparts education in various disciplines of Engineering, Technology and Management. It offers UG, PG and research programs in different disciplines.

The Department of Business Administration of the institute came into existence in 2006 with the starting of a two-year MBA program, on a self-financing basis, with 60 seats. With the implementation of the OBC reservation policy, the intake increased to 80, and further to 92. The department has been operating from a temporary space in a newly constructed block of the institute. The department, along with the Department of Computer Application, funded the construction of a new building, thereby acquiring an independent space of its own and initiating the process of having a separate identity. Infrastructural facilities, including state-of-the-art laboratories and a library, are being developed in the new building and should be ready for occupation in the next Academic Session.

The self-financing nature of the MBA program has imposed a constraint on the department's inability to offer regular appointment of more than three years to its faculty. As a result, the department has not been able to have senior faculty with experience. This in turn has adversely affected the quality of education provided and also the quality and number of campus placements. This constraint can be removed if the MBA program becomes government funded, thus making it possible to have regular faculty. Therefore, with the intent of strengthening the quality of education provided and developing the department as a centre of excellence in Management education, as is befitting for an Institution of National Importance, it is proposed that a regular MBA program, with an intake of 60, be introduced from the Academic Year 2012-13.

2.0 Details of the MBA Program

Keeping in view the increasing demand for Management professionals in the country, NIT Kurukshetra proposes to extend its long years of expertise in developing professionals into the field of Business Administration by introducing an MBA program.

2.1 Number of Seats

It is proposed that there will be 90 seats in total per year out of which 60 seats will be Govt-Funded Seats and 30 will be Self-Financed Seats. Govt-Funded Seats will be the seats having complete support of funds from Govt of India and the Institute. These seats will follow the reservation policy of Govt of India. The fee structure for the Govt-Funded Seats will be as per the PG courses of the Institute.

The Self-Financed Seats will not get any financial support from the Govt of India. These seats will follow the reservation policy of the Govt. of India. However, if any seat in any of the reserved category remains vacant after two rounds of admission, it will be converted to an open seat. These seats will have a fee of Rs. 1,00,000 per annum plus annual charges as per Institute rules. This fee will be reviewed and revised from time to time.

The breakup of seats category wise is as follows:

Table 1: Category-wise Distribution of Regular and Self-Financed Seats

Quota	OP	Differently Able (OP)	OBC	Differently Able (OBC)	SC	Differently Able (SC)	ST	Differently Able (ST)	Total Seats
All India	20	01	16	01	02	-	04	-	60

Note: SC/ST/OBC and Differently Able (PD) reservations—As per Government of India Rules

2.2 Eligibility for Admission:

Admission criteria for both category of seats (Govt-Funded Seats and Self-Financed Seats) will be same. The eligibility criteria are as under:
Graduation with 50% marks (45% for SC/ST). Admission will be based on the CAT score of the corresponding year and GD/PI to be conducted in the institute during May/June. The weightage for each will be as follows: 70% for CAT score and 30% for GD/PI.

2.2 Scheme and Syllabi

The scheme and syllabi for the proposed program, finalized in consultation with a number of experts from various leading institutions and industry and passed by the VC/12 of the department, are detailed in Appendix 1.

3.0 Requirements for Starting the Master of Business Administration (MBA) Program

To introduce the two-year Master of Business Administration (MBA) program on regular basis, the department needs to expand/strengthen its existing facilities/infrastructure. To fulfill new requirements, the department needs grants for the recurring and nonrecurring expenditures as detailed in Sections 3.1 and 3.2.

3.1 Grant for Recurring Expenditure

This grant includes a major component as the running cost of the program in terms of salaries of the newly recruited teaching and non-teaching staff. Table 2 exhibits the manpower requirement and expected annual expenditure. Table 3 exhibits annual maintenance expenses for Computers, UPS, ACs and other equipments. The department will further require Department Operational Cost (DOC) for incidental and contingent expenses.

Table 2: Manpower requirement and expected annual expenditure in terms of their salaries*

Total Govt-Funded Seats : $60 * 2$ (2 year course) = 120

Faculty Requirements as per 12:1 ratio: $120/12 = 10$

Total Non-Teaching & Teaching Support Staff Requirements: $10 * 1.1 = 11$

Department's Non-Teaching & Teaching Support Staff Requirements: 7

Type of staff	Designation	No. of Posts	Approximate Monthly Salary in INR	in Rs (on present rates & pay-scales)	
				Annual Salary x Posts	Total (INR)
Teaching Staff	Professor	2	95000	1140000 x 2	2280000
	Associate Professor	3	80000	960000 x 3	2880000
	Assistant Professor	5	40000	480000 x 5	2400000
	Professor	1	11000	132000 x 1	132000
Non-teaching Technical Staff (Teaching Supporting)	Technician	1	11000		
	Library and Information Assistant	1		132000 x 1	132000
	Sr. Technician	1	16000	192000 x 1	192000
	Technical Assistant	1	20000	240000 x 1	240000
	Sr. Technical Assistant	1	22000	264000 x 1	264000
	Lab Attendant (Outsourced)	1	DC Rate (6200)	74400 x 1	74400
	Jr. Assistant (Store-keeper)	1	11000	132000 x 1	132000
Non-teaching Office Staff	Steno	1	11000	132000 x 1	132000
	Peon Attendant (Outsourced)	1	DC rate (5400)	64800 x 1	64800
	Sweeper (Outsourced)	1	DC rate (5400)	64800 x 1	64800
	Sub-total (annually)		Rs (INR)		89.88 lacs

* Refer to MHRD Letter No. 23-3/08-JPD dated 8th May, 2008

* Designations of the faculty and staff are as per the present nomenclature of the Institute and will be mapped to new designations as per MHRD guidelines, whenever applicable.

* Above salary structure is indicative only and to be as per norms.

Table 3: Annual Maintenance

Item	Cost in Rs.
Expected Annual Maintenance for Computers, UPS, A/Cs, peripherals, operational expenses etc.	2.2 lacs
Addition to Library Resource	2.6 lacs
Total (R ₄) INR	4.8 lacs

$$\text{Total Annual Recurring Grant} = R_1 + R_2 = 29.38 + 4.8 = 34.18 \text{ lacs}$$

The necessity of recurring-grants for future development will be included in the plan grant proposals of subsequent years.

3.2 Grant for Non Recurring Expenditure

This grant includes expenditure incurred in developing infrastructural facilities like lecture & tutorial rooms and laboratory and purchasing hardware/machinery/software. Present infrastructure is insufficient. Table 4 exhibits expected expenditure in creating infrastructure for class rooms and laboratories. Civil work is already completed in the new building and expected expenses are indicated. Table 5 mentions expected cost for purchasing hardware and software.

Table 4: Expected expenditure in developing infrastructure for existing built class rooms, laboratories & library (one time grant)

S.No.	Building	Qty.	Item Required	Expected Cost in Rs.
1.	Class Rooms	2	Multimedia facilities, A.C, Furnishing etc.	4.0 lacs
2.	Laboratory (including Language Lab)	2	Multimedia facilities, A.C, Furnishing, Furniture, UPS, Software etc.	25 lacs
3.	Seminar Hall	1	--do--	2 lacs
4.	Library	1	Books etc.	5 lacs
5.	Cabins for HOD/Faculty/Officer	9	Furniture, Furnishing etc.	4 lacs
Sub-total (NR ₁)				40 lacs

Table 5: Expected Cost for (Initial Cost)

S. No.	Machinery	Approx. Cost in Rs.
1.	Computer Hardware (including computer networking, printer etc)	6 lacs
2.	Office accessories and furnishings	4 lacs
	Sub-total (NR ₂)	10 lacs

Total Non-Recurring Grant = $NR_1 + NR_2 = 50$ lacs
 Non-recurring-grants for future development will be included in the plan grant proposals of subsequent years.

4.6 Conclusion

This part of the proposal shows that grants of ₹ 96.88 lacs and 50 lacs are required for introducing the two-year Master of Business Administration (MBA) program, on regular basis, as recurring and non-recurring expenditures respectively.

APPENDIX

**MBA PROGRAM
MODIFIED CURRICULUM (2012-2014)**

SEMESTER-I

Course No.	Course Title	L	T	P	Credit
MBA-101	Principles & Practices of Management	3	1	0	3.5
MBA-103	Organizational Behavior	3	1	0	3.5
MBA-105	Managerial Economics	3	1	0	3.5
MBA-107	Management Accounting	3	1	0	3.5
MBA-109	Marketing Management	3	1	0	3.5
MBA-111	Business Communication	3	1	0	3.5
MBA-113	Business Statistics	2	1	0	2.5
MBA-115	Computer Applications in Management	2	0	2	3.0

Credits: 26.5

SEMESTER-II

Course No.	Course Title	L	T	P	Credit
MBA-102	Financial Management	3	1	0	3.5
MBA-104	Human Resource Management	3	1	0	3.5
MBA-106	Production & Operations Management	3	1	0	3.5
MBA-108	Management Information System	3	1	0	3.5
MBA-110	Quality Management	3	1	0	3.5
MBA-112	Business Environment and Ethics	3	1	0	3.5
MBA-114	Research Methodology	2	1	0	2.5
MBA-116	Business Application Software	0	0	4	2.0

Credits: 25.5

SEMESTER-III

Course No.	Course Title	L	T	P	Credit
MBA-201	International Business	3	1	0	3.5
MBA-203	Business Law & Corporate Taxation	3	1	0	3.5
MBA-205	Entrepreneurship & Project Management	3	1	0	3.5
211/221/231/241/251	Maj. Specialization HRM	3	1	0	3.5(each)
213/223/233/243/253	Maj. Specialization Financial Mgt.	3	1	0	3.5(each)
215/225/235/245/255	Maj. Specialization Marketing Mgt.	3	1	0	3.5(each)
MBA-207	Summer Training	-	-	-	4.0
					Credits: 32.0

SEMESTER-IV

Course No.	Course Title	L	T	P	Credit
MBA-202	Strategic Management	3	1	0	3.5
MBA-204	E-Commerce	3	1	0	3.5
MBA-206	Project	-	-	-	6.0
212/222/232/242/252	Maj. Specialization HRM	3	1	0	3.5(each)
214/224/234/244/254	Maj. Specialization Financial Mgt.	3	1	0	3.5(each)
216/226/236/246/256	Maj. Specialization Marketing Mgt.	3	1	0	3.5(each)
					Credits: 30.5

Note: In 1st and 2nd Semesters, candidates are required to take all the Core courses. In 3rd and 4th Semesters, apart from the Core subjects, each candidate is required to opt for a Specialization out of the 3 viz. (1) Human Resources Management, (2) Financial Management, (3) Marketing Management. A specialization will be offered to the 45% students of the class at the max.

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

No. Acad./2012/40th SCSA SC24

Dated: 19.04.2012

Minutes of the 40th SCSA meeting held on 17th April, 2012 at 4:30 p.m.
in the Board Room of the Institute

The following were present:-

- In Chair
1. Prof. Anand Mohan, Director
 2. Prof. V.K. Arora, Dean (P&D)
 3. Prof. VK Sehgal, Dean (Faculty Welfare)
 4. Prof. S.K. Sharma, Dean (Students' Welfare)
 5. Prof. A.K. Gupta, Dean (Academic)
 6. Prof. A. Swarup, Dean (Research & Consultancy)
 7. Prof. R. C. Bhattacharjee, Professor, CED
 8. Prof. D.K. Soni, Professor, CED
 9. Prof. N.K. Gupta, Head, CED
 10. Prof. Sudhir Kumar, Head, MED
 11. Prof. Rajender Kumar, Head, HuSS Deptt.
 12. Prof. (Ms.) Minati Barai, Head, Chemistry Deptt.
 13. Prof. (Ms.) Lilie Dewan, Head, EED
 14. Prof. B.K. Kaushik, Head, Physics Deptt.
 15. Prof. K.K. Singh, Professor, IC Acad. Affairs & Senate
 16. Prof. D.P. Sahni, Head, ECE Deptt.
 17. Dr. S.M. Gupta, Controller of Exams
 18. Dr. Jitender Chhabra, Head, Computer Engg. Deptt.
 19. Prof. Kuldeep Kumar, Acting Head, Mathematics Deptt.
 20. Sh. S.K. Sharma, Acting Registrar IC & Secretary, SCSA
 21. Dr. Ashwani Kumar, AP, Physics Deptt. Special Invitee

The following decisions were taken:-

- Item 1: Permission to conduct re-appear and semester exam. for 5th semester Courses in even semester 2011-12 as one time relaxation

The SCSA decided that the decision of the Senate taken in its 18th meeting vide Item 1B.7 (A)-I be implemented from the Academic Session 2012-13. It was also decided that in future no further relaxation will be given for any Semester except for 8th Semester as per decision of the Senate. It was further resolved that this decision of SCSA be reported to the Senate in its next meeting.

Item 2: To consider revised M.Tech scheme

The SCSA approved the revised M.Tech. Scheme with modifications. The modified and approved revised M.Tech. Scheme is enclosed herewith as Annexure - I.

Item 3: Regularization of MBA and MCA programs

The SCSA approved the reports of the two committees for starting the regular MBA and MCA programs as placed before the SCSA. It was also decided that the same committees may be further requested to deliberate on revision of the Scheme / Syllabi.

Item 4: Any other Item:

- i) The standing Committee decided that the printing of Ph.D. Thesis under the Ph.D. rule 13.1 be modified with equal left and right margins on both sides of the page.
- ii) The Standing Committee decided that the B.Tech. (Final and pre-final year) students who have got opportunity of training abroad / in reputed companies be given attendance benefit upto the 31st August subject to submission of certificate from the organization concerned regarding the schedule of the training period. The said relaxation be given on case to case basis by the Dean (Academic) on the recommendation of the concerned Head of the Department. Further, these students be also allowed to appear in the make-up sessional test after the approval by the concerned HOD.

The meeting ended with a vote of thanks to the Chair.


(G.R. Samantary)
Registrar / VC & Secretary, SCSA

ANNEXURE-I

NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA MASTER OF TECHNOLOGY, (M.TECH.) REVISED SCHEME

Revised M.Tech. Scheme

SEMESTER – I

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	CORE-1	3-0-0	3
	CORE-2	3-0-0	3
	CORE-3	3-0-0	3
	ELECTIVE-1	3-0-0	3
	ELECTIVE-2	3-0-0	3
	LABORATORY	0-0-4	2
	SEMINAR	0-0-2	1
		21	18

Weightage for Theory Courses:

During Semester Evaluation Weightage - 50%
End Semester Examination Weightage - 50%

Weightage for Lab Courses:

During Semester Evaluation Weightage - 60%
End Semester Examination Weightage - 40%

List of Electives:

NOTE:

- A program may have one or two laboratory courses spread over four periods.
- Sufficient number of electives to be offered subject to the condition that each elective should have at least five students.

SEMESTER - II

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	CORE-1	3-0-0	3
	CORE-2	3-0-0	3
	ELECTIVE-1	3-0-0	3
	ELECTIVE-2	3-0-0	3
	ELECTIVE-3	3-0-0	3
	LABORATORY	0-0-4	2
	SEMINAR	0-0-2	1
		21	18

Weightage for Theory Courses:

During Semester Evaluation Weightage - 50%

End Semester Examination Weightage - 50%

Weightage for Lab Courses:

During Semester Evaluation Weightage - 60%

End Semester Examination Weightage - 40%

List of Electives:

NOTE:

- (i) A program may have one or two laboratory courses spread over four periods.
- (ii) Sufficient number of electives to be offered subject to the condition that each elective should have at least five students.

SEMESTER – III

SUBJECT CODE	COURSE TITLE	L-T-P	CREDITS
	Preparatory Work for Dissertation	0-0-20	10
		20	10

NOTE: The Preparatory Work for Dissertation shall be evaluated by a committee comprising the following [on the basis of one mid semester seminar and one end semester seminar presented and one end semester report submitted by the candidate].

1. HOD or faculty nominee proposed by HOD,
2. Dissertation Supervisor (and co-supervisor)
3. Two senior most faculty members of the department.

SEMESTER - IV

SJEC T CODE	COURSE TITLE	L-T-P	CREDITS
	Dissertation	D-p-32	16
		32	16

NOTE:

- (i) The Dissertation shall be evaluated by a committee comprising the following through a presentation cum viva-voce examination.
 1. HOD or faculty nominee proposed by HOD.
 2. Dissertation Supervisor (and co-supervisor)
 3. One external expert appointed by the Department
- (ii) For award of grade, following criteria to be used.

Grade Awarded	Conditions to be fulfilled
A+	One paper accepted/published in SCI Journal
A	One good quality paper accepted/published in non-paid journal or two good quality papers presented in international / national conference.*
B	One good quality paper presented in international conference
C/D	In other cases

OFFICE OF THE DEAN OF PLANNING AND DEVELOPMENT
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

Annexure-20.2 (1)

NO. Dean (P&D)/2011/97

15.12.11

The Senate of the Institute, in its meeting held on 01.11.11, had approved vide items 18.6 and 18.16 respectively the introduction of regular programs of MBA and MCA, and establishment of four Schools / Centers of Excellence for PG study and Research on the Themes of i) Renewable Energy and Efficiency, ii) Material Science and Nano-Technology, iii) VLSI Design and Embedded Systems, and iv) Bio-Medical Engineering in the Institute.

In order to realize introducing and establishing these Programs / Schools / Centres, the following core committee is constituted -

- | | | |
|----|------------------|----------|
| 1. | Dean (P&D) | Chairman |
| 2. | Dean (Academics) | Member |
| 3. | Dean (R&C) | Member |

Dr S P Jain, PEE, will be the invited member of this core committee.

The core committee shall deliberate and plan all the aspects towards achieving this goal. In particular, proposal of scheme and syllabi, students intake, the faculty & non-faculty staff, infra structure, facilities, budgets needs and the location of the schools etc is to be made out for its placing in the Finance committee and subsequently in the Board of Governors for their approval.

Further, a sub-committee of the Dean (Academics) and the Dean (R&C) with Dean (Academics) as the chairman is also formed which will prepare the academic part of these; and the sub-committee of Dean (P&D) and Dr S P Jain, PEE with Dean (P&D) as the Chairman will do so for the other parts.

The core committee is authorized to seek the assistance of any of the faculty / non-faculty staff of the Institute towards this end.

If considered necessary by the Core committee, the Committee / the member(s), or any other employee of the Institute authorized by the core committee, may visit other relevant Institutes of repute/ Research Organizations for the purpose.

(V K Arora)
Dean (P&D)
15.12.11

All Committee members as above and the HoDs for their information and na
PS to the Director for kind information of the Director

Neelam
Fik (Schools)
14/12/11

OFFICE OF THE DEAN(P&D)
NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119

Dean(P&D)/2012/134

Dated : 16.2.2012.

The following Coordination Committees are constituted to work out the details of the scheme of courses, syllabi, laboratory equipment, computing facilities etc. for the four centres/schools to be established in the institute. The PG program at every centre will have 1st and 2nd semesters of 5 Theory, 1 Lab and 1 Seminar courses each, and the 3rd and 4th semester will exclusively be for Dissertation work.

- i) **Renewable Energy and Efficiency**
 Coordinator : Prof. A. Swarup, Dean(R & C)
 Co-coordinator : Prof. Sudhir Kumar, Professor, MED
- ii) **Material Science and Nano-Technology**
 Coordinator : Prof. B.K. Kaushik, Prof., Physics
 Co-coordinator : Dr. Ashwani Kumar, Asso. Prof., Physics
- iii) **VLSI Design and Embedded Systems**
 Coordinator : Prof. A.K. Gupta, Dean(Academic)
 Co-coordinator : Prof. R. K. Sharma, Prof. EcE
- iv) **Bio-Medical Engineering**
 Coordinator : Prof. V.K. Sehgal, Dean(Faculty Welfare)
 Co-coordinator : Dr. L. M. Saini, Asso. Prof., EED

The Director will review the progress of all the four centres/schools in the first week of April, 2012.

(X-K Arora)
Dean (Pg. & Dev.) &
Chief Coordinator

All concerned

Copy to :
PA to Director for kind information of the Director.