

**LNM Institute of Information Technology, Jaipur**  
**(Deemed University)**

**Twenty first Meeting of the  
ACADEMIC COUNCIL  
(At 03:00 PM)**

**Date: January 15, 2011  
(Saturday)**

**Minutes**

**Minutes of the 21<sup>st</sup> meeting of the Academic Council, held on January 15, 2011**

**The following were present:**

- |                          |             |
|--------------------------|-------------|
| 1. Prof. Sudhir Raniwala | - In Chair  |
| 2. Prof. P K Chatterjee  | - Member    |
| 3. Prof. R Gangopadhyay  | - Member    |
| 4. Prof. Ravi P Gorthi   | - Member    |
| 5. Prof. S K Gupta       | - Member    |
| 6. Mr. Satish Kumar      | - Member    |
| 7. Mr. Divyanshu Pandey  | - Member    |
| 8. Prof. R Sharan        | - Member    |
| 9. Mr. Keshav Sharma     | - Member    |
| 10. Dr. Anupam Singh     | - Member    |
| 11. Mr. A P Singh        | - Member    |
| 12. Prof. V Sinha        | - Member    |
| 13. Mr. Gaurav Somani    | - Member    |
| 14. Prof. R Tomar        | - Member    |
| 15. Mr. Bijoy Jha        | - Secretary |

**At the outset the Chairman welcomed Mr. Keshav Sharma to the Academic Council of the LNMIIT, as a nominated member.**

**Thereafter, the agenda items were taken up for discussion.**

**Agenda Item No. 1: Confirming the minutes of the 20<sup>th</sup> meeting of Academic Council held on November 01, 2010.**

The minutes of the 20<sup>th</sup> meeting of the Academic Council were confirmed, as circulated.

**Agenda Item No. 2: Announcements, if any, by the chairman.**

The chairman made the following announcements:

- a. Appointments since the last meeting of the Academic Council: The following faculty members have joined institute service:

Dr. Vikas Gupta- as Lecturer  
Mr. Vivek Sangwan -as Lecturer  
Ms. Deepti Vidyarthi- as Lecturer

- b. Resignations/ completion of tenure since the last meeting of the academic Council; The following faculty members have relinquished institute service:

Prof J.B. Shukla- Professor  
Dr. D.N. Pandey- Lecturer  
Mr. Mihir Jain- Lecturer  
Dr. Arnapurna Rath-Lecturer

- c. PG Admissions: four candidates joined the M.Tech programme, as against six offers made. Also, three candidates joined the Ph. D programme as against nine offers made.
- d. NAAC accreditation: Self Study Report (SSR) sought from the institute has since been sent. It is hoped that NAAC team of experts will visit the institute campus soon to validate the report.
- e. Internships/study in other institutions: three students have been permitted to undergo internship in Netherland, initially for a period of three months, in 2010-2011 II semester. Another student has been granted permission to pursue 2010-11 II semest̄er at IIT Delhi.
- f. High Energy Physics Conference went of well. More than 150 delegates from outside Jaipur attended the conference.
- g. Construction Activity in the Institute: The Ground Breaking Ceremony for extension of Girls' hostel and a new boys' hostel was performed on December 11,2010 and the work on these two sites is progressing well. The constructions of Basketball Courts are also underway and hopefully the facility will be put to use in February, 2011.
- h. Termination/withdrawal of student: Mr. Sourabh Devani, Roll No.Y09UC284, who had been advised to seek a semester drop for 2010-11, 1<sup>st</sup> semester, on medical grounds, has preferred to leave the Institute.

- i. Student Internship; Prof R.Gangopadhyay, using his good offices, arranged three/four internships for the students of LNMIIT at the Department of Information Technology, Government of India, New Delhi.

**Agenda Item No. 3: To receive report on action taken on the decisions of 20<sup>th</sup> meeting and earlier meetings.**

While considering the Action Taken Report, the AC made the following observations:

- a. The AC had approved the course structure for B.Tech programmes in CSE, CCE and ECE in one of its earlier meetings. However, the approved course structures of these programmes were not recorded inadvertently in anywhere in the proceedings of the AC. The AC desired that the same should be brought to record. Since the students' graduation requirements and the curriculum are as defined above, updated transcripts in accordance with cited curriculum and credit system be issued to them.

(Accordingly, the approved course structures of the B.Tech programmes in CSE, CCE, and ECE are now appended to the minutes of the 21st meeting of the AC, at Annexure-1)

- b. The Chairpersons of AC UGC(Prof Anupam Singh) and AC PGC(Prof Ravi P.Gorthi) were requested to finalize the curriculum of all the remaining programmes of the institute. These programmes are:
  1. B.Tech (Hons) in CSE, CCE,ECE.
  2. M.Tech part of the B.Tech-M.Tech dual degree programmes inCSE, CCE,ECE.
  3. M.Tech programmes in CSE,CCE, ECE.
  4. Ph.D programmes.

Further, a deadline (around the middle of February 2011) was also suggested for completion of this work.

**Agenda Item No. 4: To consider approval of curriculum of the programmes on Engineering Physics and Mathematics & Information Technology and Change of Degree Nomenclature:**

The Academic Council approved the proposed curriculum structure of the B S – M Tech dual degree programs on ‘Engineering Physics’ and ‘Mathematics and Information Technology’, with the following changes:

- (a) The course on ‘Chemistry’, in the third semester, be dropped from both these programs.

- (b) In the ‘Mathematics and Information Technology’ program, the ‘Chemistry’ course be replaced by ‘Computer Organization and Architecture’.
- (c) In the ‘Engineering Physics’ program, the specializations aimed at should be clearly mentioned. The ‘Chemistry’ course be replaced by some other appropriate course.

The AC further approved the proposal to change the degree nomenclature from ‘B S – M Tech dual degree’ to ‘B Tech – M Tech dual degree’ for both these programs. The AC also resolved to request the Governing Council to approve this change of degree nomenclature.

**Agenda Item No.5: To consider continuance of the Policy on change of program.**

The Academic Council was apprised that there have been limited migrations from one discipline to another since the policy on change of programme was introduced from Y-08 batch and onwards. In view of this, the Academic Council decided to continue the policy on change of programme as before, while continuing to collect data on how frequently students change their programme.

**Agenda Item No.6: To consider the guidelines for “Best BTP Award” for Y07 batch of students.**

The Academic Council opined that the proposal needs to be prepared more comprehensively, specifying chronology, sequence, external collaboration etc.

The Council desired that a comprehensive proposal so prepared may be brought for its consideration in due course.

**Agenda Item No. 7: To consider request of student body to waive off 8<sup>th</sup> semester laboratory courses (Digital Systems Lab and Communication Design Lab), in respect of Y07 batch students.**

The Academic Council debated the issue in depth. Taking an overall view of the current situation, the AC concluded that the 07 batch of students be permitted to register for ‘Communication Design Lab’ and one more additional elective course (in lieu of ‘Computer Organization Lab). This will be in addition to the four elective courses for which most of the students have already registered for second semester 2010-2011. Further, each student of 07 batches must ensure that he/she fulfils the graduation requirement of 158 credits.

The Academic Council also observed that such situations be avoided altogether in future, through better monitoring at the time of registration.

**Agenda Item No. 8: To consider direct admission from NTSE and KVPY.**

The item was deferred for consideration in the next meeting.

**Agenda Item No. 9: To consider approval of the proposal for a new three years M. Tech. program in Engineering physics.**

Some faculty members of Physics proposed that an interdisciplinary three year M Tech program in ‘Engineering Physics’, with intake of B Sc passed graduates, be introduced at the *LNM IIT*. *A sample curriculum of such a program was also submitted.*

As per the existing practice, this proposal was first considered by the AC Educational Policy Committee (AC EPC). The recommendations of the AC EPC concerning the proposal were considered by the Academic Council, in details. The opinion of the Academic Council is summarized below:

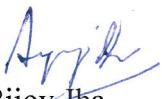
1. Such interdisciplinary programs will give a boost to the post graduate programs of the Institute, and thereby enhance its research output. A large number of B Sc passed graduates are likely to be attracted towards such well thought out post graduate programs. There is a need in the country of such trained graduates. Thus, the contribution of the graduates of such programs, when compared with the education that they currently receive, is likely to be much better.
2. To begin with, only a small number of students be admitted in all such programs. The students admitted to these programs will be adjusted in the number of students already sanctioned by the Governing Council of the Institute.
3. The eligibility criterion for admission to such programs will be: B Sc passed graduates who qualify the Joint Admission Test for M Sc (JAM), conducted every year (since 2005) by the IITs at an All India level.
4. The duration of all such programs will be three/four years. The exact choice of the duration will be made in such a manner that the guidelines/norms prescribed by the All India Council of Technical Education are not violated.

In view of the above mentioned deliberations, the Academic Council resolved as follows:

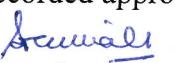
“The Governing Council of the Institute be requested to approve the introduction of interdisciplinary M Tech programs with B Sc passed graduates, filtered through JAM, as eligible candidates.

**Any other item, with the permission of the Chair:**

The Academic Council considered and approved the constitution of AC Standing Committees. A copy of the same is placed as Annexure 2.

  
Bijoy Jha  
(Registrar)

Minutes, as recorded approved.

  
(Chairman)

## ANNEXURE - 1.

Applicable for Y08 onwards

CCE

### Semester I

Sr.	Course	Credit	Semester II	Credit
1	Physics -I	4	Physics II	4
2	Mathematics -I	4	Mathematics -II	4
3	Electronics - I	5	Electronics - II	5
4	Computer Programming	5	IT Workshop	5
5	English	5	Environment and Ecology	5
			Physics Lab	2
	Total	23		21

### Semester III

Sr.	Course	Credit	Semester IV	Credit
1	Mathematics - III	4	Discrete Mathematical Structures	4
2	Digital Circuit and Systems	4	Signals, Systems and Control	4
3	Data Structures	4	Principles of Communications	4
4	Computer Organization and Architecture	4	HSS Elective- II	4
5	HSS - Elective - I	4	Probability Theory and Stochastic Proce	4
6			Digital Circuits and Systems Lab	2
	Total	22		22

### Semester V

Sr.	Course	Credit	Semester VI	Credit
1	Digital Communications	4	Computer Networks	4
2	Digital Signal Processing	4	Program Elective- I	4
3	Design and Analysis of Algorithms	4	Open Elective- II	4
4	HSS Elective- III	4	Program Elective- II	4
5	Digital Signal Processing Lab	2	HSS Elective- IV	4
6	Communication Lab	2		
	Total	20		20

### Semester VII

sr. No	Course	Credit	Semester VIII	Credit
1	Program Elective- III	4	Program Elective- IV	4
2	HSS Elective- V	4	Open Elective- IV	4
3	Sciences Elective- II	4	Open Elective- V	4
4	Open Elective- II	4	HSS Elective- VI	4
5	Open Elective- III	4		
	Total	20		16

**CSE****Semester I**

Sr. No.	Course	Credit	Semester II	Credit
1	Physics -I	4	Physics II	4
2	Mathematics -I	4	Mathematics -II	4
3	Electronics - I	5	Electronics - II	3
4	Computer Programming	5	IT Workshop	3
5	English	5	Environment and Ecology	3
			Physics Lab	2
	Total	23		21

**Semester III**

Sr. No.	Course	Credit	Semester IV	Credit
1	Mathematics - III	4	Discrete Mathematical Structures	4
2	Digital Circuits and Systems	4	Database Management Systems	4
3	Data Structures	4	Operating System	4
4	Computer Organization and Architecture	4	HSS Elective- II	4
5	HSS - Elective - I	4	Program Elective- I	4
			Digital Circuits and Systems Lab	2
	Total	20		22

**Semester V**

Sr. No.	Course	Credit	Semester VI	Credit
1	Design and Analysis of Algorithms	4	Theory of Computations	4
2	Computer Networks	4	Program Elective- III	4
3	Program Elective- II	4	Open Elective- II	4
4	Open Elective- I	4	Sciences Elective- I	4
5	HSS Elective- III	4	HSS Elective- IV	4
	Total	20		20

**Semester VII**

Sr. No.	Course	Credit	Semester VIII	Credit
1	Compiler Design	4	Program Elective- V	4
2	HSS Elective- V	4	Open Elective- IV	4
3	Program Elective- IV	4	Sciences Elective- III	4
4	Open Elective- III	4	HSS Elective- VI	4
5	Sciences Elective- II	4		
	Total	20		16

**ECE**

<b>Semester I</b>			<b>Semester II</b>		
Sr.	Course	Credit	Course	Credit	Credit
1	Physics -I	4	Physics II	3	3
2	Mathematics -I	4	Mathematics -II	4	4
3	Electronics - I	5	Electronics - II	3	3
4	Computer Programming	5	IT Workshop	3	3
5	English	5	Environment and Ecology	3	3
			Physics Lab	2	2
Total		23			21
<b>Semester III</b>			<b>Semester IV</b>		
Sr.	Nc Course	Credit	Course	Credit	Credit
1	Mathematics - III	4	Signals, Systems and Control	4	4
2	Digital Circuit and Systems	4	Principles of Communications	4	4
3	Semiconductor Devices and Circuits	4	Probability Theory and Stochastic Process	4	4
4	Sciences Elective- I (Material Science )	4	HSS Elective- II	4	4
5	HSS - Elective - I	4	Program Elective- I	4	4
			Analog Communication lab	2	2
			Digital Circuits and Systems Lab	2	2
Total		26			22
<b>Semester V</b>			<b>Semester VI</b>		
Sr.	Nc Course	Credit	Course	Credit	Credit
1	Digital Communications	4	Microprocessors and Interfaces	4	4
2	Digital Signal Processing	4	Computer Networks	4	4
3	Program Elective- II	4	Engineering Electromagnetics	4	4
4	HSS Elective- III	4	Open Elective- I	4	4
5	Digital Signal Processing Lab	2	HSS Elective- IV	4	4
6	Digital Communication Lab	2	Microwave and optical communication	2	2
Total		20			22
<b>Semester VII</b>			<b>Semester VIII</b>		
Sr.	Nc Course	Credit	Course	Credit	Credit
1	Program Elective- III	4	Program Elective- VI	4	4
2	HSS Elective- V	4	Open Elective- IV	4	4
3	Sciences Elective- II	4	Open Elective- V	4	4
4	Open Elective- II	4	HSS Elective- VI	4	4
5	Open Elective- III	4			
Total		20			16

11 January 2011

**Office Order**

In a partial modification to the earlier Office Order, the following Committees of the Institute are reconstituted with immediate effect:

**AC EPC**

- |                                |                           |
|--------------------------------|---------------------------|
| 1. Director (Prof. S Raniwala) | Ex-officio Chairman       |
| 2. Prof. R Sharan              | Member                    |
| 3. Prof. R Tomar               | Member                    |
| 4. Dr. Somnath Biswas          | Member                    |
| 5. Dr. Ravi Gorthi             | Member                    |
| 6. Mr. Himanshu Dadheechech    | Student Member (Y07UC045) |
| 7. Mr. Anant Jindal            | Student Member (Y08UC020) |

**AC UGC**

- |                            |                           |
|----------------------------|---------------------------|
| 1. Dean (Dr. Anupam Singh) | Ex-officio Chairman       |
| 2. Dr. M Shrimali          | Member                    |
| 3. Dr. S Debnath           | Member                    |
| 4. Dr. Rajbala Singh       | Member                    |
| 5. Ms. Vertika Vaid        | Student Member (YO7UC136) |
| 6. Mr. Dushyant Goyal      | Student Member (YO8UC053) |

**AC PGC**

- |                      |                           |
|----------------------|---------------------------|
| 1. Prof. Ravi Gorthi | Chairman                  |
| 2. Dr. L K Jiwani    | Member                    |
| 3. Dr. M Shrimali    | Member                    |
| 4. Prof. S K Gupta   | Member                    |
| 5. Mr. Vikas Bajpai  | Student Member (M. Tech.) |

**AC SAC**

- |                       |                           |
|-----------------------|---------------------------|
| 1. Prof. S K Gupta    | Chairman                  |
| 2. Dr. S Debnath      | Member                    |
| 3. Dr. M Dhariwal     | Member                    |
| 4. Prof. A P Singh    | Member                    |
| 5. Mr. Devraj Divakar | Student Member (YO7UC038) |
| 6. Mr. Piyush Agarwal | Student Member (YO8UC092) |

**AC HMC**

- |                        |                           |
|------------------------|---------------------------|
| 1. Dr. S Debnath       | Chairman                  |
| 2. Dr. A Neogi         | Member                    |
| 3. Dr. Subhayan Biswas | Member                    |
| 4. Dr. Rajbala Singh   | Member                    |
| 5. Dr. M Shrimali      | Member                    |
| 6. Mr. Mahi Natani     | Student Member (YO9UC074) |
| 7. Mr. Mayank Agarwal  | Student Member (Y08UC079) |
| 8. Mr. Apoorv Purwar   | Student Member (Y10UC073) |

**AC LC**

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Prof. R Gangopadhyay     | Chairman                  |
| 2. Librarian (Mr. S Pandey) | Ex-officio Member         |
| 3. Prof. R Sharan           | Member                    |
| 4. Ms. Radhika Loomba       | Student Member (Y08UC099) |

Services rendered by Prof. D Sanghi, undersigned (in the capacity of the then Dean), Dr. A Gupta, Dr. G Garg, Dr. A K Tiwari, Dr. Anupam Singh, Prof. S K Gupta and the student members are deeply appreciated.

*Sudhir Raniwala*

Sudhir Raniwala

Director