

The LNM Institute of Information Technology, Jaipur

Minutes of the BOS Meeting-ECE (July 26, 2023)

Present Members:

1. Prof. Rahul Banerjee - Director, LNMIIT, Jaipur
2. Dr. Nikhil Sharma - HoD, ECE
3. Prof. Ranjan Gangopadhyay
4. Prof. R. Tomar
5. Prof. G.D. Sharma
6. Prof. Ajit Chaturvedi - IIT, Kanpur
7. Prof. Anu Gupta - BITS Pilani
8. Dr. Sendil Devar - Director, Standardization & Spectrum, Ericsson
9. Mr. Nishant Sharma - STMICROELECTRONICS
10. Dr. Kusum Lata
11. Dr. Abhishek Sharma
12. Dr. Sandeep Saini
13. Mr. Purnendu Karmakar
14. Dr. Santosh Shah
15. Dr. Jayprakash Kar - (HoD, CSE)
16. Dr. Sunil Kumar - (HoD, CCE)
17. Dr. Ashwani Sharma - IIT, Ropar
18. Dr. Vaibhav Kumar – Post Doc, Fellow, University College Dublin, Ireland
19. Dr. Anirudh Agarwal
20. Payal Mittal (19PEC005)
21. Bhavika Agarwal (20DEC003)
22. Ayush Jha (21UEC002)

Discussion Points:

- At the outset Prof. Rahul Banerjee, The Director, LNMIIT welcomed all the members of reconstituted BoS of the ECE Department, LNMIIT.
- BoS, Chairman, Dr. Nikhil Sharma (HoD-ECE) introduced all the members of the BoS.
- Associate Dean of Academic Affairs, Dr. Sandeep Saini mentioned about the LNMIIT and the operations of the BoS to the members.

Agenda Item 1: Curriculum Revision: B.Tech. in Electronics and Communication Engineering

Semester 1:

- It was discussed that the Induction Program should not be directly a part of the curriculum structure and can be added as a footnote to the curriculum document.

- Also, it may be included in the transcript as a footnote or a separate certificate may be issued to the students.
- It was suggested by the members that the Indian Knowledge System which is a mandatory course should also carry some credits (one credit).
- It was suggested by some members that a module on sustainability should be included suitably in one of the courses (maybe Environmental Science) keeping in mind the UN sustainable development goals and to help students develop the practical skills to lead the transition to sustainable systems.
- It was further suggested that the Physics course in the first semester should have a corresponding Lab in the same semester. It was suggested to understand more clearly from the Physics department regarding having an independent lab course in the second semester rather than having a corresponding lab course in the first semester.

Semester 2:

- It was suggested by the members that Environmental Science, which is a mandatory course should also carry some credits (one credit).
- The mathematics course, i.e. Ordinary Differential Equations and Linear Algebra needs to be relooked and it was suggested to have a more comprehensive course on Linear Algebra. Further discussions need to be carried out with the Mathematics Department.
- It was suggested to share the Course information file (CIF) of all the courses with all the members for better understanding of the course contents.

Semester 3:

- It was suggested to explore some high-level general-purpose programming platform for implementing the Software labs like Signals and Systems. The instructor should have options to use any platform based on the experiments and learning experience of the students.
- Inputs on the course contents of Microprocessor and Microcontroller course need to be taken from the industry experts (ARM, STMicroelectronics, Intel etc)

- As suggested by the members the Curriculum comparison (for benchmarking) with other institutes of repute is shared here: <https://drive.google.com/file/d/17iqdBqVGW87Uve9Nn2Ir7SxPNbCWsqV/view?usp=sharing>
- It was further suggested that scope of electives (from other domains) should be given from the early part of the curriculum structure in order to diversify the learning experience.

- Link to the CIFs: <https://drive.google.com/drive/folders/18hKpcnjo4zHaUz6SLE1X23YGDEzYCUC?usp=sharing>
- List of PEs and OEs: <https://docs.google.com/spreadsheets/d/1Ca8UpjMQecPs83V-zUYs8Z4-HDpwUzFX/edit?usp=sharing&ouid=110875069109732488638&rtpof=true&sd=true>

The meeting ended with a vote of thanks by the HoD-ECE and the DoAA.