Minutes of the Meeting of Board of Studies (BoS) of Electronics and Telecommunication Engineering Department, was held on September 10th, 2022 at 4.00 PM on Microsoft Teams platform.

The following members were present:

1. Dr. Avinash More - Associate Professor and Head (EXTC), MPSTME, Mumbai
2. Dr. R.D. Daruwala - Dean and Professor, VJTI, Mumbai
3. Dr. Kushal Tukley - Chairman & Head, R & D AGV Systems Pvt. Ltd, Mumbai
4. Mr. Vivek Shah (Alumni) – Manager, CSIRT – Adidas, Germany
5. Dr. Manoj Sankhe - Professor and Independent In-charge, B.Tech. (Integrated) program, MPSTME,Mumbai
6. Mr. Kashyap Joshi – Assistant Professor (EXTC), MPSTME, Mumbai

Leave of absence is granted to the following members:
1. Dr. Alka Mahajan – Dean, MPSTME, NMIMS University, Mumbai
2. Dr. Archana Bhise - Professor and Associate Dean (R & D), MPSTME, Mumbai
3. Mr. Atul Patil – Associate Professor and Head(EXTC), MPSTME, Shirpur Campus

1. The members of BoS confirmed the minutes of meetings of Board of Studies in Electronics andTelecommunication Engineering held on 22nd April, 2022.

2. The members of BoS considered and deliberated upon the revision in the curricula of B. Tech,MBA Tech and B. Tech Integrated in Electronics and Telecommunication Engineering. They approved the following:

A. A minor revision of curricula of B Tech, MBA Tech and B Tech Integrated in Electronics and Telecommunication Engineering by way of -
   i. Revision in the course structure of B Tech Electronics and Telecommunication Engineering for the students admitted in AY 2021 – 2022 and direct second year students to be admitted in AY 2022-23 **(ENCL-Ia)**
   ii. Revision in the course structure of B Tech and MBA Tech in Electronics and Telecommunication Engineering for the students admitted in AY 2020 – 2021 and direct second year students to be admitted in AY 2021-22 **(ENCL-Ib)**
   iii. Revision in the course structure of B Tech Integrated Electronics and Telecommunication Engineering for the students admitted in AY 2018-19 onwards **(ENCL-Ic)**
      - Rename the course "Artificial Intelligence and Machine Learning" to "Fundamentals of Machine Learning" in semester X as the course "Artificial Intelligence" will be offered as Departmental Elective in semester XII.
      - Rename the course "Optical Fiber Communication and Networks" to "Fiber Optic Communication and Networks" in semester X as the name of the course has been changed to match the course offered in B Tech and MBA Tech programs.

B. Revision in Teaching and Examination Scheme for Semester IV & Syllabus of the course "Analog Circuits Analysis and Design" of B. Tech Electronics and Telecommunication Engineering for the students admitted in AY 2021-22 and direct second year students to be admitted in AY 2022-23 **(ENCL-II)**
      - Increase in the Theory hours from 2 to 3 and credits from 3 to 4 for the course "Analog Circuits Analysis and Design" of semester IV, in order to cover the entire syllabus, three hours per week are required.

- Remove the course "Transforms and Series" from Semester IV as the course is rename to "Complex Variables and Transforms" in semester III and "Probability and Statistics" course is added in semester IV.

Action taken: No changes suggested.

C. Introduction of Teaching and Examination Scheme & Syllabi of semester VI of B Tech and MBA Tech in Electronics and Telecommunication Engineering for the following courses for the students admitted in AY 2020-21 and direct second year students to be admitted in AY 2021-22 (ENCL-III)

- Wireless Communication Technology
- Fiber Optic communication and Networks
- Departmental Elective I and II
  - ➢ Speech Processing
  - ➢ Information Theory and Coding
  - ➢ Satellite Communication
  - ➢ Embedded System Design
  - ➢ Internet of Things (IoT) (For B Tech and MBA Tech EXTC/IT/AI)

The remaining courses are approved in earlier AC meetings.

The members of BoS give following suggestion:

1. Include course outcomes for LTE and LTE advanced topics for the course "Wireless Communication Technology"
2. Addition of topics "5G architecture" and "5G radio" in chapter 5 and increase teaching hours for chapter 5 and removal of chapter 6 for the course "Wireless Communication Technology"
3. Addition of topic Audio Forensic in the course "Speech Processing"
4. Change textbook for the course "Information Theory and Coding"
5. Addition of topics "Arduino" and "Raspberry PI" in the course "Internet of Things"

Action taken: The suggestions are incorporated in Syllabi.

D. Introduction of Teaching and Examination Scheme & Syllabi of semester X of B Tech Integrated in Electronics and Telecommunication Engineering for the following courses for the students admitted in AY 2018-19 onwards (ENCL-IV)

- Fiber Optic Communication and Networks
- Fundamentals of Machine Learning
- Departmental Elective IV and V
  - ➢ Communication Technology for IoT
  - ➢ Cloud Technology
  - ➢ Software Security
  - ➢ Mobile Computing

The remaining course is approved in earlier AC meetings.

The members of BoS give following suggestion:

1. Remove the topics "Powered and Unpowered sensors, Data harvesting, Energy storage technology, Star, Mesh and Tree topologies" from the course "IoT communication Technology".

2. Rename the course "IoT communication Technology" to "Communication Technology for IoT" as the course contents are related to communication technologies used in the area of IoT.

3. Replace the topics on specific cloud services "AWS and Azure" to general "CloudServices" for the course "Cloud Technology".

4. Rename the course "Mobile Computing Security" to "Mobile Computing" as the course contents are focused on mobile computing only.
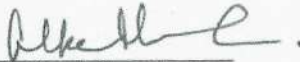
Action taken: The suggestions are incorporated in Syllabi.

E. Reduce in the Theory hours from 3 to 2 and credits from 4 to 3 and revision in the syllabus of B. Tech Computer Science and Business System, Semester II for the course "Principles of Electronics Engineering" for students admitted in AY 2022-23 onwards **(ENCL-V)**

The members of BoS give following suggestion:

1. Remove the topics "Diode, Transistor and JFET" from the syllabus

2. Include "Operational Amplifier", "Timers" and "Digital Logic Design" in detail.

Action taken: The suggestions are incorporated in Syllabus.

Chairperson
Dean, Board of Studies

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