

Department of Mechatronics Engineering

KPR Institute of Engineering and Technology



First Board of Studies Meeting

Venue: KPRIET, The Primrose (Online)

Date: 23.04.2022

Meeting ID: <https://meet.google.com/eyh-oune-kth>

Time: 09.30 a.m.

Agenda:

To discuss and pass

1. The Curriculum and syllabi for I and II Semesters of UG Programme under Regulations 2021
2. Any other subject

Members Present:

| S. No | Name of the member with Designation | Category | Signature |
|-------|--|--|-----------|
| 1. | Dr. S. Ramesh Babu Professor and Head Mechanical Engineering, KPRIET | Chairperson | |
| 2. | Dr. M. Om Kumar Professor, Mechanical Engineering, Anna University, Chennai. | University Nominee | Online |
| 3. | Dr. B. Meenakshi Priya Professor Mechatronics Engineering, Kongu Engineering College Perundurai, Erode 638052 | Special Invitee -1 (Academic Expert) | Online |
| 4. | Dr. V. S. Saravanan, Jr. Vice President (Foundry) Indo Shell Cast Private Limited Coimbatore | Industry Expert (Special Invitee - 2) | Online |
| 5. | Mr.V. Murali Head – Research and Development Shanthi Gears, Sular Coimbatore | Industry Expert (Special Invitee - 3) | Online |
| 6. | Dr. R. Kiruba Shankar, Professor Electronics and Communication Engineering, KPRIET | Faculty member | |
| 7. | Dr. L. Rajeshkumar Associate Professor, MECH, KPRIET | Faculty Member | |
| 8. | Dr. D. Balaji Assistant Professor (Sl.G), MECH, KPRIET | Faculty Member | |

Minutes of the 1st Meeting of The Board of Studies:

The meeting started with the Chairman, Dr. S. Ramesh Babu, Professor and Head, Department of Mechanical Engineering welcoming the members of the Board of Studies. Dr. R. Kiruba Shankar, Professor, Electronics and Communication Engineering presented the Syllabus contents of Curriculum under Regulations 2021 and various features of the curriculum.

Following points were discussed at the Board of Studies.

RESOLUTIONS:

1. The Curriculum and syllabi for I and II Semesters of UG Programme under Regulations 2021

Resolved to approve the following recommendation may be passed to the standing committee of the Academic Council. The curriculum and syllabi for B.E Mechatronics Engineering program under Regulations 2021 be passed with the following suggestions.

- (i) Dr. M. Omkumar, University Nominee, suggested to include the manufacturing methods (both conventional and unconventional) in the curriculum to know about various machines. He also suggested to include 'R' programming as a topic in Python programming syllabus.
- (ii) Dr. Meenakshi Priya, Academic Expert insisted to include "Elements of Mechatronics systems" in II Semester instead of "Basics of Electrical, Electronics and Measurement". She also suggested to change the structure of Engineering Graphics course into Engineering Drawing to L-3; T-1; P-0; C-4.
- (iii) Dr. Meenakshi Priya also suggested to include few advanced courses in higher semesters as core / professional elective / open electives.
- (iv) Dr. V.S. Saravanan, Special Invitee, suggested to separate CNC and Metrology and concentrate much on Metrology. He suggested to include Instrumentation, transducers, Industry 4.0, Machine Vision, Image Processing, Drone Technologies and Wireless Communication suitably in the curriculum.
- (v) Mr. V. Murali, Special Invitee, suggested to add Importance of Mechatronics as a course in the curriculum. He also suggested to include Condition monitoring systems (Vibration and Acoustics) can be included under instrumentation, Design automation with 2D & 3D automation, Advancements in CNC machines like 5-axis and 6-axis.



Dr. S. RAMESH BABU, M.E., Ph.D.
Chairperson H-BoS

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