

Department of Mechatronics Engineering

KPR Institute of Engineering and Technology



5th Board of Studies Meeting

Venue: Department Board Room (Hybrid mode)

Date: 11.05.2024

Meeting ID: 934 0798 7583

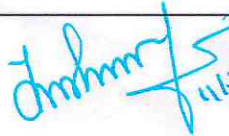



Time: 11.00 am

Agenda:

To discuss and pass

- Discussion on the minutes of previous BoS meeting and action taken.
- Stakeholders' inputs on Curriculum Design.
- Curriculum for I to VIII Semester of UG program under Regulation 2021 (Revised)
- Amendment in Professional Electives Vertical 3
- Discussion on Minor degree and B.E. (Hons) / B.E. (Hons) with specialization
- Discussion on MOOC/Online Courses, Industry-oriented courses (one credit courses) and Value-added courses
- Industrial Training / Internship
- Any other matter brought by the Chair.



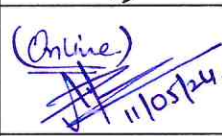

Members Present:

S.No	Name of the member with designation	Category	Signature
1	Dr. R. Kiruba Shankar Professor & Head Department of Mechatronics Engineering KPR Institute of Engineering and Technology.	Chairperson	
2	Dr. S. Ayyappan Associate Professor Department of Mechanical Engineering Government College of Technology, Coimbatore	University Nominee	
3	Dr. T. Asokan Professor Department of Engineering Design Indian Institute of Technology Madras Chennai	Subject experts from outside Anna University-1	Online
4	G. V. Devadas Director AAtek Robo Private Limited, Coimbatore.	Industry Expert	
5	Shrihariprasath Basuvaiyan Technical Specialist ZF Technology Centre, Hyderabad.	Alumni	Online
6	Dr R Sampathkumar Assistant Professor (SI.G.) Department of Mechatronics Engineering KPR Institute of Engineering and Technology.	BoS Member	

Department of Mechatronics Engineering

KPR Institute of Engineering and Technology



S.No	Name of the member with designation	Category	Signature
7	Dr K Saravanan Assistant Professor (Sr.G.) Department of Mechatronics Engineering KPR Institute of Engineering and Technology.	BoS Member	 11/05/24
8	Dr Yogendra Kumar Dwivedii Assistant Professor (Sr.G.) Department of Mechatronics Engineering KPR Institute of Engineering and Technology.	BoS Member	 11/05/24
9	Dr Arpit Anil Panwar Assistant Professor (Sr.G.) Department of Mechatronics Engineering KPR Institute of Engineering and Technology.	BoS Member	(Online.)  11/05/24
10	Mr A Balaji Assistant Professor (Sr.G.) Department of Mechatronics Engineering KPR Institute of Engineering and Technology.	BoS Member	 11/05/2024

Minutes of the 5th Meeting of The Board of Studies:

Dr. R. Kiruba Shankar, Chairman- BoS, Department of Mechatronics Engineering welcomed the members of the Board of Studies and presented the Vision, Mission, PEOs, POs, PSOs, Curriculum for all semesters, Syllabi for I - VIII semester and Syllabi for Professional elective courses offered under regulations 2021 (revised) in UG Programme.

Following points were discussed in the Board of Studies,

1. Action taken on the minutes of the 4th BoS meeting:

The minutes of the 4th BoS meeting and the action taken thereon were approved. The following corrections were taken and updated:

Sr. no.	Suggestion	Action taken
1	Semester V: Robotics and Automation Lab The experiment namely, 'To test the speed control circuits of single acting and double acting cylinders using pneumatic module', could be included in Pneumatics and Hydraulics Laboratory experiments.	The changes were incorporated and approved.
2	Semester VI: Mechatronics System Design Bond Graph Modelling could be removed.	The changes were incorporated and approved.
3	Semester VI: Modelling and Analysis of Mechatronic Systems Laboratory It can have experiments such that it becomes a project-based learning subject. Simcenter Amesim Software platform is recommended in order to meet the industry requirements.	Due consideration was given to orient the laboratory into a project-based learning subject. The syllabus was framed in collaboration with MathWorks.

Sr. no.	Suggestion	Action taken
4	Semester VI: Electric and Hybrid Vehicle Technologies in Automobiles A unit can be added to incorporate about ICE engines.	The changes were incorporated into the professional elective vertical 3. Also, a brief introduction about ICE is already being delivered in the Value-Added Course.
5	Professional Electives: <ul style="list-style-type: none"> Vertical I - Ensure that there is <20% overlap between topics amongst the eight subjects. 	The necessary changes were made and approved.
AMENDMENT(S)		
6	<ul style="list-style-type: none"> Vertical III – Suggested to include subject covering fundamentals of automobile components like steering, suspension, brakes, chassis and engine as one of the units in the subject 	The vertical III was amended to incorporate the changes so as to have an automotive engineering and technology specific vertical.

2. The Curriculum and syllabi for I to VIII Semesters of UG Programme under Regulations 2021 (Revised)

The Curriculum and syllabi for I to VIII Semesters presented by the Chairman were reviewed and approved.

3. Professional Elective Courses offered under Regulations 2021

The Professional Elective Courses presented by the Chairman were reviewed and approved.

4. MOOC/Online courses

The MOOC/online courses presented by the Chairman were reviewed and approved.

5. Industry oriented courses (one credit courses)

The industry-oriented courses presented by the Chairman were reviewed and approved.

6. Value-added courses

Department of Mechatronics Engineering

KPR Institute of Engineering and Technology



The value-added courses presented by the Chairman were reviewed and approved.

7. Other matters brought by the Chair

Resolved that the following recommendations will be placed to the Academic Council for approval through the standing committee.

- (i) Introduction to AUTOSAR while teaching Vertical III could be beneficial for the students opting for a career in Automobile domain.

Chairman – BoS/MI