

Sixth Board of Studies Meeting

Venue: The Legend (Online)

Date: 01.11.2021

Meeting ID: <https://meet.google.com/fsa-wthh-tgr?hs=224>


Time: 10:am

**Agenda:**

To discuss and pass

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

**Members Present:**

S.No	Name of the member with Designation	Category	Signature
1.	<b>Dr. S.Ramesh Babu,</b> Professor and Head Mechanical Engineering, KPRIET	Chairman	 01/11/21
2.	<b>Dr. M.Om Kumar</b> Professor, Mechanical Engineering, Anna University, Chennai.	University Nominee	Online
3.	<b>Dr.M.Duraiselvam</b> Professor, Production Engineering, NIT Tiruchirappalli.	Academic Expert-1	Online
4.	<b>Dr. K.Rameshkumar</b> Professor, Mechanical Engineering, Amrita Vishwa Vidyapeetham, Coimbatore	Academic Expert-2	Online
5.	<b>Dr. V.S.Saravanan,</b> Jr. Vice President (Foundry) Indo Shell Cast Private Limited Coimbatore	Industry Expert (Special Invitee - 1)	Online
6.	<b>Dr. M.Suresh</b> Associate Professor, Robotics and Automation Engineering, PSG Tech, Coimbatore	Academic Expert (Special Invitee - 2)	Online
7.	<b>Dr. S.Radhakrishnan</b> Team Lead – Product Development and DPF calibration, Mahindra & Mahindra, Chennai	Industry Expert (Special Invitee - 3)	Absent
8.	<b>Mr. K.Vinoth Kumar</b> Engineer, Craftsman Autmation, Coimbatore	Industry Expert (Special Invitee - 4)	Online
9.	<b>Dr. K.Ramkumar</b> Post Doctoral Fellow, IIT Madras	Alumnus	Online
10.	<b>Dr. K.Ravikumar</b> Professor MECH, KPRIET	Faculty Member	 01/11/21





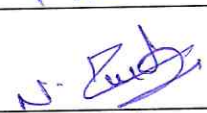


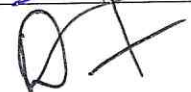

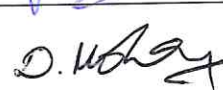
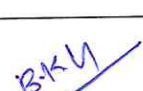
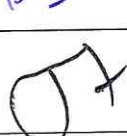

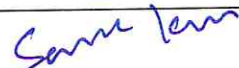

# Department of Mechanical Engineering

KPR Institute of Engineering and Technology



11.	<b>Dr.M.Shanmugaraja</b> Professor MECH, KPRIET	Faculty Member	online
12.	<b>Dr. S.Ravishankar</b> Associate Professor, MECH, KPRIET	Faculty Member	
13.	<b>Mr.V.SatishChandran</b> Associate Professor, MECH, KPRIET	Faculty Member	
14.	<b>Dr. M Kumar</b> Associate Professor, MECH, KPRIET	Faculty Member	
15.	<b>Dr. B.Arulmurugan</b> Associate Professor, MECH, KPRIET,MECH, KPRIET	Faculty Member	B. Arulmurugan
16.	<b>Dr. P.Ganesan</b> Associate Professor, MECH, KPRIET,MECH, KPRIET	Faculty Member	online
17.	<b>Dr. L.Rajeshkumar</b> Assistant Professor (SI.G.) MECH, KPRIET	Faculty Member	
18.	<b>Dr.D.Balaji</b> Assistant Professor (SI.G), MECH, KPRIET	Faculty Member	
19.	<b>Dr.L.Prabhu</b> Assistant Professor (SI.G), MECH, KPRIET	Faculty Member	labs
20.	<b>Dr.P.ManojKumar</b> Assistant Professor (SI.G), MECH, KPRIET	Faculty Member	
21.	<b>Dr.M.Makeshkumar</b> Assistant Professor (SI.G), MECH, KPRIET	Faculty Member	
22.	<b>Dr.S.Sathish</b> Assistant Professor (SI.G), MECH, KPRIET	Faculty Member	
23.	<b>Dr.S.Dharani Kumar</b> Assistant Professor (SI.G), MECH, KPRIET	Faculty Member	
24.	<b>Mr.R.Anandkumar</b> Assistant Professor (SR.G), MECH, KPRIET	Faculty Member	
25.	<b>Mrs.V.Bhuvaneshwari</b> Assistant Professor (SR.G), MECH, KPRIET	Faculty Member	V. Bhuvaneshwari
26.	<b>Mr. N.Udhayakumar</b> Assistant Professor (SR.G), MECH, KPRIET	Faculty Member	
27.	<b>Mr. S.Vasanthaseelan</b> Assistant Professor (SR.G), MECH, KPRIET	Faculty Member	



28.	<b>Mr. C.Senthilkumar</b> Assistant Professor (SR.G), MECH, KPRIET	Faculty Member	
29.	<b>Mr. N.Vigneshkumar</b> Assistant Professor (SR.G), MECH, KPRIET	Faculty Member	
30.	<b>Mr. P.Boobalakashnan (SR.G)</b> Assistant Professor, MECH, KPRIET	Faculty Member	
31.	<b>Mr. T.Kannan (SR.G)</b> Assistant Professor, MECH, KPRIET	Faculty Member	
32.	<b>Mr. N.Karthi (SR.G)</b> Assistant Professor, MECH, KPRIET	Faculty Member	
33.	<b>Mr. S.Deepan</b> Assistant Professor, MECH, KPRIET	Faculty Member	
34.	<b>Mr. S.Gokulkumar</b> Assistant Professor, MECH, KPRIET	Faculty Member	
35.	<b>Mr. S.N.Dinesh</b> Assistant Professor, MECH, KPRIET	Faculty Member	
36.	<b>Mr. E.Joel</b> Assistant Professor, MECH, KPRIET	Faculty Member	
37.	<b>Mr. D.Mohankumar</b> Assistant Professor, MECH, KPRIET	Faculty Member	
38.	<b>Mr. B.K.Saravanan</b> Assistant Professor, MECH, KPRIET	Faculty Member	
39.	<b>Mr. R.Vishnuvardhan</b> Assistant Professor, MECH, KPRIET	Faculty Member	
40.	<b>Mr. P.Arunkumar</b> Assistant Professor, MECH, KPRIET	Faculty Member	
41.	<b>Mr.R.Saran Krishna</b> MECH, KPRIET	Final Year student	
42.	<b>Mr. B.Suhandhan</b> MECH, KPRIET	Final Year student	

## Minutes of the 6<sup>th</sup> Meeting of The Board of Studies:

The meeting started with the Chairman, Dr.S.Ramesh Babu, HOD, Department of Mechanical Engineering welcoming the members of the Board of Studies and presented the Vision, Mission, POs, PEOs, PSOs, Syllabus content of Curriculum under Regulations 2021 and the various features of the curriculum.

Following points were discussed at the Board of Studies.

### RESOLUTIONS:

#### 1. The Curriculum and syllabi for I to VIII 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 Mechanical Engineering program under Regulations 2021 be passed with the following suggestions.

- (i) Dr. V.S. Saravanan, Special Invitee, insisted on including a few topics on **“Environmental Science”** courses, such as pollution measurement methods and equipment, radioactive pollution control methods, electronic waste management, and pollution control norms and acts.
- (ii) Dr. M. Suresh, Special Invitee, suggested to add credit weightage for “J” component course. He also insisted to include CNC programming in practical course.
- (iii) Dr. M. Duraiselvam, Subject Expert, insisted that separate slots can be set aside for completing the “J” component.
- (iv) Dr. M. Omkumar, University Nominee, reviewed the syllabus. He suggested to include “J” components in other courses if possible.
- (v) Dr. K. Rameshkumar, Subject Expert, reviewed the syllabus. The following points are given to enrich the Curriculum and Syllabus for regulation 2021.
  - CO's mapping is important for “J” component courses.
  - Two material science courses can be combined into single course.
  - Advance topics like novel materials can be included in the Engineering Materials and Metallurgy course.
  - Insisted to added Electrical laboratory as separate course.
  - **“Statistics and probability”** course can be added instead of **“Statistics and numerical methods”**.
  - **“Statistics and probability”** course will help the students to learn advance topics like artificial intelligence and machine learning.
  - Numerical methods can be taught as laboratory course by integrating software tools like PYTHON and MATLAB.

- He also suggested to add introduction of multibody dynamics and motion analysis software like ADAMS in “Kinematic of machinery” course.
- Signal processing can be added as a topic in “**Sensor and transducer**” course.
- A topic on Internet of things can be added to “**Fundamentals of Automation**” course.
- He also suggested to incorporate statistical software tools into the industrial engineering course.

## **2. Industrial Training / Internship**

Following are the suggestions given by BoS members regarding Industrial Training / Internship which shall be presented to the standing committee of the Academic Council for discussions:

- (i) Dr. K.Rameshkumar, Subject Expert, insisted that instead of giving two weeks internship, it can be extend to four or five weeks.

## **3. Any other subject**

It is resolved that the following recommendations may be passed to the standing committee of the Academic Council.

- (i) Dr. K.Rameshkumar, Subject Expert, insisted to add recent books as text, and reference book.
- (ii) Dr. K.Ramkumar, Alumni, suggested addition of two new courses such as Testing of Materials and Additive Manufacturing to curriculum.
- (iii) Mr. K.Vinoth Kumar, Engineer, insisted on incorporating CAD software in the course “**Machine drawing**”.

The minutes of Programme Advisory Committee (PAC) meeting is submitted and discussed.



**Chairman – BoS/MECH**



