

MINUTES OF MEETING- 3rd BOARD OF STUDIES Meeting

Venue: Pallavi Hall/ Online

Date: 02/12/2020

Meeting ID: fcg-omjw-toq

Time: 10:00 A.M

Dr. N. Gunasekaran Chairman- BOS welcomed all the Members for the Third Board of Studies Meeting held on 02/12/2020- 10:00 A.M

Members Present

S.NO	Name of the Member	Designation
1.	Dr. N. Gunasekaran	Chairman- BOS
2.	Dr. M. Omkumar	University Nominee
3.	Dr.M.Duraiselvam	Subject Expert
4.	Dr.K. Ramesh Kumar	Subject Expert
5.	Dr.S.Ramesh Babu	Professor/ BoS Member
6.	Dr.K.Ravikumar	Professor/ BoS Member
7.	Dr.S.Ravishankar	Assoc Professsor/ BoS Member
8.	Dr.L.Rajeshkumar	Asst Professor/ BoS Member
9.	Dr.B.Arulmurugan	Asst Professor/ BoS Member
10.	Dr.Sayahnya Roy	Asst Professor/ BoS Member
11.	Mr.D.Balaji	Asst Professor/ BoS Member
12.	Mr.R.Anandkumar	Asst Professor/ BoS Member
13.	Mr.L.Prabhu	Asst Professor/ BoS Member
14.	Mrs.V.Bhuvaneswari	Asst Professor/ BoS Member
15.	Dr.P.ManojKumar	Asst Professor/ BoS Member
16.	Dr.M.Makeshkumar	Asst Professor/ BoS Member
17.	Dr.S.Sathish	Asst Professor/ BoS Member
18.	Dr.K.R.Sumesh	Asst Professor/ BoS Member

19.	Mr.C.Senthilkumar	Asst Professor/ BoS Member
20.	Mr.N.Vigneshkumar	Asst Professor/ BoS Member
21.	Mr.V.Sathyamoorthy	Asst Professor/ BoS Member
22.	Mr.S.Deepan	Asst Professor/ BoS Member
23.	Mr.P.Sureshkumar	Asst Professor/ BoS Member
24.	Mr.P.Boobalakashnan	Asst Professor/ BoS Member
25.	Mr.N.Udhayakumar	Asst Professor/ BoS Member
26.	Mr.S.Gokulkumar	Asst Professor/ BoS Member
27.	Mr.T.Kannan	Asst Professor/ BoS Member
28.	Mr.S.N.Dinesh	Asst Professor/ BoS Member
29.	Mr.N.Karthi	Asst Professor/ BoS Member
30.	Mr.S.Vasanthaseelan	Asst Professor/ BoS Member
31.	Mr.P.Nikhil Babu	Asst Professor/ BoS Member
32.	Mr.R.Bharathwaaj	Asst Professor/ BoS Member
33.	Mr.E.Joel	Asst Professor/ BoS Member
34.	Mr.D.Mohankumar	Asst Professor/ BoS Member
35.	Mr.B.K.Saravanan	Asst Professor/ BoS Member
36.	Mr.R.Vishnuvardhan	Asst Professor/ BoS Member
37.	Mr.C.Mohanraj	Asst Professor/ BoS Member
38.	Dr. K. R. Ramkumar	Alumni
39.	Ms. B. Harini	Student Member
40.	Mr. K.C. Kesab	Student Member

Dr. N. Gunasekaran, Chairman presented the Curriculum and Syllabi for BE Mechanical Engineering and ME CAD/CAM Engineering. The following points were discussed during the meeting;

BE Mechanical Engineering

- Dr. K. Rameshkumar, Subject Expert, suggested usage of software like MATLAB, Python and R for teaching the course Statistics and Numerical Methods.
- Dr. K. Rameshkumar, Subject Expert, also suggested the usage of Software like ADAMS either in course Kinematics of Machinery or Kinematics and Dynamics Lab. Also he felt that the friction part was quite heavy.
- Mr. N. Mani, Special Invitee, suggested addition of topics such as centerless grinding, eccentric grinding, cam grinding, grinding wheels and dressing wheels in the course Manufacturing Technology II.
- Mr. S. Deepan, Asst. Professor/Member, insisted on giving a topic on Vertical Turret Lathe (VTL) in the Course Manufacturing Technology II.
- Mr. N. Mani, Special Invitee, suggested giving a topic on thermal cutting.
- Dr M. Omkumar, University Nominee, made a point on being precise in offering the content of the syllabus that can be completed in 9 hours for each unit.
- Mr M. Suresh, Special Invitee, suggested that an introduction to CAD/CAM/CIM as fourth unit in the course on Manufacturing technology II or the same can be given in any other course.
- Mr M. Suresh, Special Invitee, also suggested giving Introduction to IoT in the course Fundamentals of Automation.
- Dr M. Omkumar, University Nominee, suggested to change the name of Engineering Metrology and Measurements to Engineering Metrology and measuring Instruments.
- Dr. V.S. Saravanan, Industry Expert, insisted on replacing the content ISO 9000 to ISO IEC 17025 in the course on Engineering Metrology and Measurements.
- Dr. V.S. Saravanan, Industry Expert, also opined to add Measurement system Analysis and Non contact type measurements in the course Engineering Metrology and measurements.
- Mr. C. Senthil Kumar, Asst. Professor/Member, suggested that the students can have opportunities in 3D printing.

- Mr. N. Mani, Special Invitee, and Dr. M.Duraiselvam, Subject expert, shared that a topic on design of linear drive motor can be included in the course Design of Machine elements.
- Dr. K. Rameshkumar, Subject Expert, suggested in providing a group project to students for the course on Design of Machine Elements.
- Dr. K. Rameshkumar, Subject Expert, proposed on providing a topic on system design in the course Design of Machine Elements.
- Mr. K.Vinoth kumar, Special Invitee suggested adding a topic on sensors for object and metal detection in the course on Fundamentals of Automation.
- Mr. K.Vinoth kumar, Special Invitee, and Mr M. Suresh, Special Invitee, recommended to provide theory content on Hydraulics and Pneumatics so that it covers the concepts on integration with PLC and DCS in the course Fundamentals of Automation.
- Mr M. Suresh, Special Invitee, opined that Switch gears and electrical elements can be offered as One credit course.
- Mr M. Suresh, Special Invitee, suggested that let Microcontroller topic have 2 units and provide additional content on application of PLC in the course Microcontrollers and PLC.
- Mr M. Suresh, Special Invitee, mentioned that it can be explored to include by splitting the unit 2 of the course Industrial Robotics.
- Mr S, Ramachandran, Special Invitee from INFOSYS, design thinking can be a course with one credit or three credit and the students can take up a practical examples and design a product in collaboration with end customers.
- Mr S, Ramachandran, Special Invitee from INFOSYS, for the course Product life cycle management, students can take up any one industry or company, study how its products are handled at the end of their life and propose a solution for retrieving value with the least degradation to the environment.
- Dr. K. Rameshkumar, Subject Expert, suggested providing a course on Battery Technology.
- Dr. K. RaviKumar, Professor/BoS member, recommended to a course on Robot Programming languages.

ME CAD/ CAM Engineering







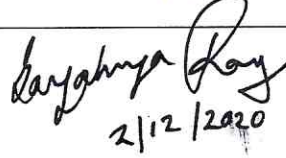
- Mr S, Ramachandran, Special Invitee from INFOSYS, indicated that there can be a sub topic or 1 Credit Course on Design for Additive Manufacturing.
- Mr S, Ramachandran, Special Invitee from INFOSYS, Design for Manufacturability course shall be explored with the students taking up a critical part / Sub Assembly or product, Design it from scratch without manufacturing constraints and use the new 3D geometry which they come up with to make a physical part if possible using 3D printing.
- Mr S, Ramachandran, Special Invitee from INFOSYS opined that Story telling can be a sub topic along with interpersonal and organizational communication.



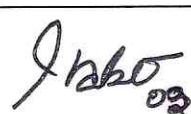


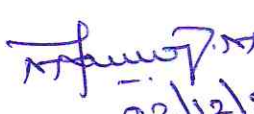
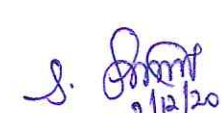
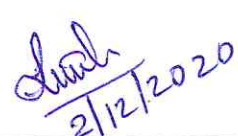


Others

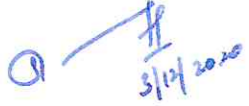

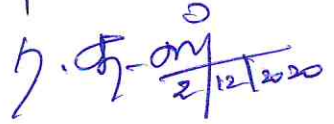







- The members felt that the foreign universities look forward to higher credit points for a UG program eligible for their PG program.
- Dr. K. Rameshkumar, Subject Expert, mentioned that a few universities accept 1 credit of our course equivalent to 1.5 credits based on the recommendations of the institution.
- Mr S, Ramachandran, Special Invitee from INFOSYS, Mechanical Engineers need to handle unstructured data with data sources such as IoT feed, Text, Voice or Video. Hence the students shall explore a big data based approach on such inputs.
- Mr. N. Mani, Special Invitee, shared that the department needs to add latest equipment in their laboratories progressively each year.
- Mr. N. Mani, Special Invitee, said that department can explore course on Design for X (DFX) which is a need of the hour in current Industrial trend.
- While NPTEL course on Material Characterization was discussed, Dr. K. Ramkumar, Special invitee, suggested to that a course on Mechanical behaviour of materials, shall be included in online courses.



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21/2/20

Signature of the Members

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2.	Dr. M. Omkumar	University Nominee	on-Line
3.	Dr.M.Duraiselvam	Subject Expert	on-Line
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5.	Dr.S.Ramesh Babu	Professor/ BoS Member	 2/12/2020
6.	Dr.K.Ravikumar	Professor/ BoS Member	 02/12/20
7.	Dr.S.Ravishankar	Assoc Professor/ BoS Member	 02/12/2020
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20.	Mr.N.Vigneshkumar	Asst Professor/ BoS Member	 2/12/20
21.	Mr.V.Sathyamoorthy	Asst Professor/ BoS Member	Absent

22.	Mr.S.Deepan	Asst Professor/ BoS Member	
23.	Mr.P.Sureshkumar	Asst Professor/ BoS Member	Absent
24.	Mr.P.Boobalakrishnan	Asst Professor/ BoS Member	
25.	Mr.N.Udhayakumar	Asst Professor/ BoS Member	
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33.	Mr.E.Joel	Asst Professor/ BoS Member	
34.	Mr.D.Mohankumar	Asst Professor/ BoS Member	D. Mohan 2/12/20
35.	Mr.B.K.Saravanan	Asst Professor/ BoS Member	B.K.V 2/12/2020
36.	Mr.R.Vishnuvardhan	Asst Professor/ BoS Member	 2/12/20
37.	Mr.C.Mohanraj	Asst Professor/ BoS Member	C.M. 2/12/20
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39.	Ms. B. Harini	Student Member	on-line
40.	Mr. K.C. Kesab	Student Member	on-line
41.	Mr. N. Mani	Special Invitee	on-line
42.	Mr. K.Vinoth kumar	Special Invitee	on-line
43.	Mr M. Suresh	Special Invitee	on-line
44.	Mr S. Ramachandran	Special Invitee	on-line

