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Prof & HOD

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Minutes of the Meeting of the Board of Studies

The BOS Committee for the Department of Mechanical Engineering was convened on 5.09.2020 between 11:00 AM & 12:45 PM through the Google Meet platform. The meeting was chaired by the Head of Department, Dr. L. Krishnamurthy in the presence of the Programme Coordinators for the UG and three PG programmes, Dr. N. Sharath Chandra (Mechanical Engineering, UG), Dr. K. R. Prakash (Industrial Automation & Robotics), Mr. Prithvi C (Machine Design) & Dr. Siddharth Joshi (Nanotechnology). The external Members present via the online platform were:

1. Dr. C.V. Venkatesh, Principal, Malnad College of Engineering, Hassan
2. Dr. Shanmukha Nagaraj, Professor & Dean (Academics) Department of Mechanical Engineering, Rashtreeya Vidyalyaya College of Engineering, Bangalore
3. Dr. Rajesh Ranganathan Professor, Department of Mechanical Engineering Coimbatore Institute of Technology Coimbatore, Tamil Nadu - 641 014
4. Dr. S. Venugopal, Associate Professor, Dept. of Chemical Engineering, Indian Institute of Science, Bengaluru, India
5. Mr. Anish Kumar. P. CEO Pixtech Labs Pvt Ltd. Bengaluru.
6. Mr. Shashidhara K J Citizen Data Scientist ,TVS Motor Company, Hosur

The internal members of the Committee were Dr. T. N. Shridhar, Dr. Suresha B, Dr. B. Hulugappa , Mr. Dharanish .J and Mr. Srikanth N S

The chairman began the meeting with a brief welcome & introduction of the members. He delivered a brief presentation about the academic structure & student activities in the department in the past year. He also presented the minutes of the meeting of Department Advisory Committee (DAC).

The UG coordinator Dr. Sharath Chandra N continued the presentation explaining the OBE process and its relevance in framing the syllabus.

The course structure for the UG programme in Mechanical Engineering programme was presented. This comprised the curriculum for students appearing for all four years in the 2020-21 academic year.

Dr. C.V. Venkatesh and Dr. Shanmukha Nagaraj, suggested that the course on "**Kannada kali**" should be moved to 3rd semester as it would be benefitted to Lateral entry students.

Dr. Shanmukha Nagaraj suggested that the MOOC electives offered by the department and the courses available in the NPTEL, SWAYAM or any other online platform should be similar.

Dr. C.V. Venkatesh advocated that the Department must ensure that the MOOC electives taken by the students should satisfy the required number of credits and the duration of the course.

Dr. C.V. Venkatesh also suggested that the Credits for Heat transfer and Vibration should be increased from 3 to 4 and one tutorial component must be added to them. However Dr. T.N. Shridhar described the difficulties involved in converting 3 to 4 credits as it has been formulated based on the general college policy.

Dr. C.V. Venkatesh also proposed to reduce the credits from 1.5 to 1 for laboratory courses. So that the extra credits can be distributed to other required courses.

Dr. Shanmukha Nagaraj recommended to create verticals for electives list based on the stream. He also suggested that the number of electives could be reduced since the student has the choice of taking only one elective of 3 credits in the 6th semester.

The next curriculum to be presented was the M. Tech Programme on Industrial Automation & Robotics for the 2020-22 batch. This was delivered by Dr. K. R. Prakash.

Dr. Shanmukha Nagaraj suggested that project phase 1 and project phase 2 should have more flexibility in evaluation process.

Mr.Prithvi C presented the curriculum for the PG Programme on Machine Design 2020-22 batch.

Dr. C.V. Venkatesh proposed to change the course name "Theory of Elasticity" to "**Solid Mechanics**" in 1st semester because the PG students should study courses of higher standard than UG level.

Dr. C.V. Venkatesh also recommended the inclusion of the topic Anisotropic material in the composite material course in 1st semester.

Dr. C.V. Venkatesh also suggested the addition of one more Reference book authored by Subra Suresh under the course Fatigue of metals.


Dr. Siddharth Joshi presented the curriculum for the PG Programme on Nanotechnology 2020-22 batch.

Dr. Rajesh Ranganathan proposed to include the reference book by qualitative and qualitative methods by Miles and Hubberman for the subject Research Methodology.

Dr. Rajesh Ranganathan also recommended the inclusion of a topic on IPR before the module 5 (Report writing)

Dr. S. Venugopal, suggested that due to current pandemic situation move the 1st semester laboratory courses to 2nd semester if possible, and only theory subjects can be handled in the current semester through online, this would benefit the students that they don't miss the experimental concepts of Nanotechnology.

Dr. Krishnamurthy concluded the meeting by indicating that the suggestions provided will be considered and put forth to the Academic council meeting. He expressed his gratitude to all members for their participation.


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