

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD**  
**Department of Mechanical Engineering**  
**Board of Studies Meeting 2021-22**

Meeting No: 15

Date: 13.08.2022

Members Present:

**External members:**

Sl. No.	Name	Particulars	College/organization
1	Dr. G C Mohankumar	VTU – nominee	NITK, Surathkal
2	Dr. Somashekar M A.	Subject expert	IIT, Dharwad.
3	Dr. Raghavendra Joshi	Subject expert	BITM, Ballari
4	Dr. Srinivasa Y. V.	Industry Expert	Rolls Royce, Bengaluru
5	Mr. Santosh Kushtagi	Alumnus	GE, Bengaluru

**Internal members:**

Sl. No.	Name	Particulars
1	Dr. I. Sridhar	HOD and Chairman
2	Dr. Anilkumar H. C.	Internal member
3	Dr. K. N. Patil	Internal member
4	Prof. A V Javali	Internal member
5	Prof. S C Galaveen	Internal member
6	Dr. P. S. Shivakumar Gouda	Member Secretary
7	Prof. G. L. Rajabanshi	Special invitee
8	Dr. G. M. Gadad	Special invitee
9	Dr. S. S. Honnungar	Special invitee
10	Dr. Jayaraj Kudariyavar	Special invitee
11	Prof. S. R Daboji	Special invitee

**Members absent:** Dr. Jayaraj Kudariyavar

**Members attended online:** Dr. G C Mohan kumar, VTU – nominee

## Proceedings

The Chairman welcomed and greeted all the members and expressed sincere thanks to all the members that they could make it possible to attend the meeting in spite of their busy schedule. The new external BOS members introduced themselves to the other members of the committee. The Chairman sought the permission of the committee to commence the proceedings. The presentation was made on the points of the agenda.

**Agenda No: BOS/ME/2021-22/01:**

Approval of Scheme and Course contents of **B. E. III & IV Semesters (2022 -2025 Scheme)**

**Resolution:** Course contents for B. E. III & IV semesters were discussed and approved. The following suggestions were given:

- Term project within the course can be offered for some UG courses.
- Include topic on smart material in 3<sup>rd</sup> semester materials science course
- If possible, accommodate practice on Low cycle and High cycle fatigue calculations in the core subject Mechanics of Materials.
- If possible, increase the number of software teaching hours for Machine drawing subject and model only one assembly along with GD &T details. and 2D drawing.
- Introduce basics of machine tools in CNC technology so the student can know the fundamentals of machining.
- In Foundry & Forging laboratory, cast a part and carry out NDT tests on the casted part.
- Faculty can refer open-source software on mould flow/casting by Prof. Ravi IIT Bombay.
- Include topics on curve generation in Engineering Graphics as the students learn about curves in Mathematics.
- Faculty from the department can themselves handle mathematical subjects in the higher semesters.
- Include topics on Nontraditional machining processes in manufacturing processes.
- Selection of bearings topic can be included in design of machine elements.
- Error analysis topics can be included in Metrology and Measurements subject.
- Experiments on Dynamometers can be included in Measurements laboratory.

**Agenda No: BOS/ME/2021-22/02:**

Approval of modification to the course content for B.E I and II Semester (under NEP 2020) to the extent of 10%.

**Resolution:**

Syllabus modification for I & II Semesters UG courses were presented and the members approved the same after discussion.

**Agenda No: BOS/ME/2021-22/03:**

Approval of modification to the course content for B.E V to VIII Semester to the extent of 10% -2018 Scheme

**Resolution:**

Syllabus modification from V to VIII Semesters UG courses (2018 scheme) were presented and the members approved the same after discussion.

**Agenda No: BOS/ME/2021-22/04:**

Approval of complete revision of scheme M. Tech. I to IV semester.

**Resolution:**

Revision of scheme for M. Tech I to IV semester was discussed and finalized with the following suggestions: Change the title for Theoretical stress analysis as Continuum mechanics, FEM to Advanced FEM and Rapid prototyping to Additive manufacturing technology.

**Agenda No: BOS/ME/2021-22/05:**

Approval I and II semester M.Tech. EAD syllabus from 2022 onwards.

**Resolution:**

- Syllabus for I & II Semesters PG courses were presented, and the members approved the same after discussion with the following inputs:
  - Include if possible experimental validation for simulation results in PG labs.
  - Mounting of strain gauges, photo elasticity can be included in PG labs.
  - Topics on linear and non-linear FE analysis can be included in PG labs.
- List of online courses (audit courses) were discussed and approved.

**Agenda No: BOS/ME/2021-22/06:**

Approval of modification to the course content for M. Tech. III and IV Semester to the extent of 10% -2020 Scheme.

**Resolution:** Syllabus modification for III & IV Semesters PG courses were presented and the members approved the same after discussion.

**Agenda No: BOS/ME/2021-22/07:**

**Revalidation** of Vision/Mission/PEOs/POs and PSOs UG if required.

**Resolution:** Vision/Mission/PEOs and PSOs were presented, and the members approved the same.

**Agenda No: BOS/ME/2021-22/08:**

**Revalidation** of PEOs & POs for PG EAD program if required.

**Resolution:** PEOs and POs for PG (EAD) program were presented, and the members approved the same.

**Agenda No: BOS/ME/2021-22/09:**

Reporting items in terms of Placement report.

**Resolution:** UG and PG Placement report for the previous year (2019-20), placement updates for UG and activities done were presented to the members and they were appreciated and satisfactory.

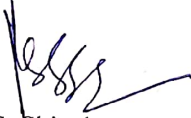
**Agenda No: BOS/ME/2021-22/10:**


Any other matter with the permission of chair

**Resolution:**

General discussion on improvement of the department was carried out. Members gave the following inputs:

- Add new subjects as per the industry requirement as and when required.
- Include software component wherever possible in the curriculum in line with theory.
- Try to finish all fundamentals within 2 years and offer student specialized training in his area of interest.
- Include value added courses in 3<sup>rd</sup> and 4<sup>th</sup> years for better placement opportunities.

  
Dr. P. S. Shivakumar Gouda  
Secretary, BOS

  
Dr. I. Sridhar  
Chairman, BOS

**Copy to:**  
1. The Principal  
2. The Dean (Academic Program) for information.