



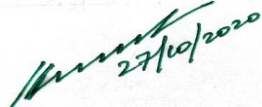
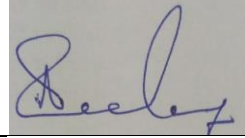

**DEPARTMENT OF MECHANICAL ENGINEERING**

REF:DSEC/BOS/ME001/2020DATE:21.10.2020

**Minutes for Board of Studies Meeting - 1**

The First Board of Studies meeting of Department of Mechanical Engineering was held on 21.10.2020 from 2.30p.m to 4.00p.m in the Digital Library, convened by Head of the Department as the Chair. The following members were present for the BoS meeting-1.

Meeting link:<https://meet.google.com/gng-evzj-exx>

| S.NO             | NAME OF THE MEMBER WITH DESIGNATION AND OFFICIAL ADDRESS  | RESPONSIBILITY IN THE BOS | SIGNATURE   |
|------------------|---|---------------------------|---|
| 1                | Dr. M.Chellappan,<br>Prof & Head<br>Department of Mechanical Engineering,<br>Dhanalakshmi Srinivasan Engineering College,<br>Perambalur-621212. | Chairman                  |   |
| External members |   |                           |   |
| 2                | Dr.AR. Veerappan<br>Professor & Head<br>Department of Mechanical Engineering,<br>National Institute of Technology,<br>Trichy-620015             | Academic Expert           | <br>27/10/2020 |
| 3                | Dr.T.Ramesh<br>Professor<br>Department of Mechanical Engineering,<br>National Institute of Technology,<br>Trichy-620015.                        | Academic Expert           | <br>27/10/2020 |
| 4                | Dr.K.Ramesh<br>Professor<br>Department of Mechanical Engineering,<br>Government College of Technology,<br>Coimbatore-641013.                    | Academic Expert           | <br>27/10/2020 |
| 5                | Mr.A.Ponnusamy<br>Retired Manager,<br>Oil and Natural gas Corporation,<br>Neyveli-607802.   | Industrial Expert         |                |
| 6                | Mr. R.Anand<br>Support Executive,<br>TCS, Chennai - 600097  | PG Graduates<br>Alumnus   |                |

| Internal member |  |                |  |
|-----------------|--|----------------|--|
| 7               | Mr.S.Suthakar,<br>Assistant Professor<br>Department of Mechanical Engineering,<br>Dhanalakshmi Srinivasan Engineering<br>College,<br>Perambalur.             | Subject Expert |  |
| 8               | Mr.J.Arunprasad,<br>Assistant Professor<br>Department of Mechanical Engineering,<br>Dhanalakshmi Srinivasan Engineering<br>College,<br>Perambalur.           | Subject Expert |  |
| 9               | Mr.R.Thirugnanasambantham,<br>Assistant Professor<br>Department of Mechanical Engineering,<br>Dhanalakshmi Srinivasan Engineering<br>College,<br>Perambalur. | Subject Expert |  |
| 10              | Mr.R.Anandhan,<br>Assistant Professor<br>Department of Mechanical Engineering,<br>Dhanalakshmi Srinivasan Engineering<br>College,<br>Perambalur.             | Subject Expert |  |
| 11              | Mr.R.Rajesh,<br>Assistant Professor<br>Department of Mechanical Engineering,<br>Dhanalakshmi Srinivasan Engineering<br>College,<br>Perambalur.               | Subject Expert |  |

#### **Agenda for the Meeting:**

- I. Introduction about the Institution and Department.
- II. To discuss the Curriculum structure of R2020, R2017(Anna University)
- III. To discuss B.E., Mechanical Engineering Degree Curriculum (I to VIII) semester and M.E – CAD/CAM., Degree Curriculum (I to IV) under autonomous Regulations 2020 for the students admitted in the academic year 2020-2021 (First year).
- IV. To discuss B.E., Mechanical Engineering Curriculum and Syllabus from (I to VIII) and M.E – CAD/CAM., Degree Curriculum (I to IV) semester under Anna University Regulations (senior students).
- V. To discuss the uniqueness of the curriculum.
- VI. To discuss and approve the evaluation systems.
- VII. Approval for programme Elective courses for B.E Mechanical Engineering programme and M.E – CAD/CAM., programme for students admitted from the year 2020-2021 onwards.
- VIII. Approval for proposed curriculum and syllabus R-2020.

- IX. Approval for Assessment pattern for core and Elective course, Employability Enhancement Courses etc., for B.E., Mechanical Engineering programme and M.E – CAD/CAM., programme for students admitted from the year 2020-2021 onwards.
- X. Approval for process identification and post identification of weak, bright and advanced students, process for end semester exam- for B.E., Mechanical Engineering programme and M.E – CAD/CAM., programme for students admitted from the year 2020-2021 onwards.
- XI. Any other item with the permission of Chair

### **Minutes of Meeting:**

#### **Item I: Introduction about the Institution and Department**

An introduction about the institution and department was briefed from the year of starting and highlighted about the achievements of the department and institution. Dr.V.SubhaSeethalakshmi, R&D coordinator delivered the welcome address and introduced the expert members. Also expressed the glimpses of DSEC and the Department such as NBA, NAAC and permanent affiliation with the University.

#### **Item II: To discuss the Curriculum structure of R2020, R2017 (Anna University)**

Discussed the Curriculum structure of Anna University Regulation R2017 and proposed curriculum structure of R-2020 for B.E., Mechanical Engineering and M.E., CAD/CAM was explained in detail in order to differentiate the autonomous syllabus we have framed.

#### **Item III: To discuss B.E., Degree Curriculum (I to VIII) and M.E – CAD/CAM., Degree Curriculum (I to IV) semester under autonomous Regulations 2020 for the students admitted in the academic year 2020-2021 (First year)**

Experts gave an idea about that, UG Credits can be reduced from 179 to 165. Python, C programming may not require because they already learnt from school level. Interchange Python programming subject from 1<sup>st</sup> semester to 2<sup>nd</sup> semester and C is from 2<sup>nd</sup> semester to 1<sup>st</sup> semester.

Kinematics of Machinery subject will be shifted from 3<sup>rd</sup> to 4<sup>th</sup> Semester. Finite Element Analysis Credit might be reduced from 4 to 3. Simulation & Analysis Lab credits may be increased from 2 to 3.

Finite Element Analysis tutorial has to combine with Simulation & Analysis Lab. One or more Humanity science course should be included like professional ethics in engineering. More number of Electives has to increase instead of professional core paper.

In 4<sup>th</sup> semester instead of Applied Hydraulics and Pneumatics, Machine Drawing has to include. There is a presences of same concept subject in professional core and elective selection (Automobile Engineering / Automotive system). Since Mechatronics theory and laboratory courses present in the same semester, credit may be reduced.

In Eighth semester, number courses are to be reduced from 4 to 3 courses in order to give more focus on project work.

Open electives can be widen with all the streams in order to equip interdisciplinary knowledge.

Discussed about M.E., Degree Curriculum (I to IV) under Autonomous Regulation 2020 for the students admitted in the academic year 2020-2021 (First Year). Experts suggested that, Advanced

Strength of Material course might be shifted from elective list to the professional course instead of Computer Aided Tools for Manufacturing.

Also for the course from second semester, Optimization Techniques in Design can be moved from elective to the professional core instead of Mechanical Behavior of Materials.

**Item IV: To discuss B.E., Curriculum and Syllabus from (I to VIII) semester and M.E – CAD/CAM., Curriculum and Syllabus from (I to IV) semester under Anna University Regulations (senior students)**

Discussed about B.E., Mechanical Engineering Curriculum and syllabi from (I to VIII) semester under Anna University Regulation regarding (senior students).

Brief discussion about M.E., CAD/CAM Curriculum and syllabi from (I to IV) semester under Anna University Regulation. We have planned to conduct Anna University Regulations R-2017 for the senior students (presently second year students).

**Item V: To discuss the uniqueness of the curriculum.**

Syllabus is designed based on the recent trends and industrial needs. Under each subject, we have covered all the topics and chapters. We have provided more priority to the Professional Core Courses, due to that our student will get good placements in core companies.

Mandate courses are offered with the objective of augmenting curricular courses and to enrich students with additional skills, knowledge and attitude. These courses are designed to groom budding engineers, to become employable and a responsible citizen of the nation.

**Item VI: To discuss and approve the evaluation systems.**

Evaluation of Internal marks will be awarded for 25 marks and external marks for the rest of 75 marks will be given based on the performance of end semester examinations. Internal marks calculation will consider the weightage of Assessment Test 1, 2, 3 and model exams. For lab courses, the weightage will be considered for attendance, observation note and record note.

**Item VII: Approval for programme Elective courses for B.E Mechanical Engineering programme and M.E – CAD/CAM., programme for students admitted from the year 2020-2021 onwards.**

Elective courses for B.E., Mechanical Engineering programme from (I to VIII) semester and M.E – CAD/CAM., programme from (I to IV) semester were explained thoroughly to BoS members. Minor modifications were done as per the suggestions given by the BoS members.

**Item VIII: Approval for proposed curriculum and syllabus R-2020.**

As mentioned by the BoS members, the corrections were made in B.E., Mechanical Engineering Curriculum and Syllabus from (I to VIII) semester and M.E – CAD/CAM., Curriculum and Syllabus from (I to IV) semester. The corrected Curriculum and Syllabus forwarded to experts for the approval.

**Item IX: Approval for Assessment pattern for core and Elective course, Employability Enhancement Courses etc., for B.E., Mechanical Engineering programme and M.E – CAD/CAM., programme for students admitted from the year 2020-2021 onwards.**

Scheme of Assessment of students was explained thoroughly to experts. They satisfied with Assessment pattern and approved the Assessment scheme.

**Item X: Approval for process identification and post identification of weak, bright and advanced students, process for end semester exam- for B.E., Mechanical Engineering programme and M.E – CAD/CAM., programme for students admitted from the year 2020-2021 onwards.**

Based on the student's performance in the assessment process, categorization of students is done. Students are categorized in to Weak, Bright and Advanced. Each category is trained separately based on their capability. So that, they will improve their grades in the end semester examinations.

**Item XI: Any other item with the permission of chair.**

Expert members suggested to add some ethical and management courses by reducing the professional courses. Also discussed about the queries by the external members regarding the proposed syllabus structure.

All the points suggested by the BOS Experts /Members for curriculum improvement will be considered while framing the syllabus, BOS recommended the above resolutions to be presented in Academic council for further approval. The meeting was concluded by 04:00p.m with vote of thanks by Dr.M.Chellappan, Chairman, BoS and Head of the Department, Department of Mechanical Engineering.

**C.C:**

**Chairman-BOS**