



GOVT. COLLEGE OF ENGINEERING, BARGUR - 635 104  
(Autonomous)

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**MINUTES OF THE MEETING OF BOARD OF STUDIES**

**Dt.16.08-2018**

The Meeting of the board of studies in Mechanical Engineering was held on 16.08.2018 at 10.00 am in the Mechanical Department Mini Seminar Hall, Government College of Engineering, Bargur.

The following **internal members** were present in the BOS meeting:

Sl. No.	Name of the Teaching Faculty	Designation
1	Dr.P. K. Palani	HOD/Chairman - BOS
2	Dr. P. Thirumal	Asst. Professor (Sr. Gr.)
3	Mr. P. Natarajan	Asst. Professor
4	Dr. I. Rahamathullah	Asst. Professor
5	Mr. S. Ananthakumar	Asst. Professor
6	Mr. D. Kulandaivel	Asst. Professor
7	Mr. S. Sankar Ganesh	Asst. Professor
8	Mr. M. Anbarasu	Asst. Professor
9	Mr. M. Anantha Babu	Asst. Professor
10	Dr. I. Ashok kumar	Asst. Professor
11	Dr. D. Thirumalaikumarasamy	Asst. Professor

The following **External members** were present in the BOS meeting:

Sl. No.	Name	Designation
1	Dr. S. Sankar	Vice Chairman (Composite Working Group) NAFEMS India, Bangalore
2	Dr. R. Elansezhian	Professor, Department of Mechanical Engineering, PEC, Puducherry - 605 014

The following **Student Members** were also present in the BOS meeting

Sl. No	Name	Address
1	A. Aathi	Final year student
2	V. Shruthi	Final year student

The following external members could not attend the meeting and expressed their inability as they were engaged on other official duties:

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Sl. No.	Name	Designation
1	Dr. U.S. Mallik	Professor, Department of Mechanical Engineering, S.I.T, Tumkur – 572103,
2	Mr. K. Ramesh	Associate Consultant, Sapient, Bangalore
3	Dr. R. Vijayan	Professor & Head, Department of Mechanical Engineering, GCE, Salem

Dr. P. K. Palani, chairman-BOS welcomed the members and gave a brief overview on the agenda to be discussed in this BOS meeting. He also briefed the BOS members about the AICTE Model curriculum, necessity of revising the curriculum and implementing it to the first year students to be admitted during 2018-19 academic year, itself.

BOS members discussed various features and aspects of Model curriculum proposed by AICTE and offered their suggestions pertaining to the curriculum to suit our institution and particularly the Department of Mechanical Engineering. The following points were discussed

1. Dr. R. Elansezhian expert member from outside university and Dr. S. Sankar, Industry expert proposed to change the number of credits of Third semester course '18MPC308- Machine drawing' from 1.0 to 2.0 and to reduce the number of credits of Second semester course 18ZES104-Engineering Graphics to 3.0 from 4.0.
2. Dr. R. Elansezhian has suggested to add "Introduction to CAD" to the course "Engineering Graphics" and members accepted it. Based on that, the no of hours for "engineering Graphics" will be modified.
3. Dr. R. Elansezhian has proposed the following Examination pattern of the course "Machine Drawing". 5 X 4 Questions = 20 ; 30 X 1 Questions = 30 ; Total External Marks = 50
4. Dr. S. Sankar, industry expert has suggested to add the course "Basic Electronics Laboratory" in 3<sup>rd</sup> semester and the board members expressed that the total credit is limited to 160.
5. In fifth semester, the name of course 18MPC507-Manufacturing and Metrology laboratory is changed as 18MPC507-Manufacturing processes and Metrology laboratory.





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6. The number of credits of Sixth semester course “18MPC607-Dynamics of Machinery laboratory” is increased from 1.0 to 1.5 and the course “18HSC608 – Soft skills and Personality Development laboratory” is changed from 2.0 to 1.5
7. The members suggested to revise the credit for fifth semester course 18MPR509- Project –I/ Summer internship credit is increased to 1.5 from 1.0.
8. The members suggested to revise the credit for the sixth semester course 18MPR609- Project-II/winter internship to 2.0 from 3.0.
9. Dr. R. Elansezhian suggested that the minimum period of internship should be 2 weeks for summer and winter internship and Project-IV should not be an extension of Project-III.
10. Dr. S. Sankar has suggested to offer, “In-house internship (Hands on training within the institution) for academic internships and the board members assured to the suggestion.
11. Dr. I. Rahamathullah, AP/Mech suggested to explore the possibility of Internships in other institution with MoU.
12. External Experts appreciated the curriculum which incorporates practical courses according to the theory.
13. The Board recomandad to include CAD, CAM and Robotics in the syllabus of course “18MPC701-Automation in Manufacturing”, so that it will fulfill prerequisite requirements for the CAD/CAM and Mechatronics laboratory.
14. External experts suggested that students should be encouraged to select at least any two open electives from “Swayam/NPTEL” courses.
15. The title of Open elective course “Economics” is changed to “Engineering Economics”.
16. The Board members proposed to add Industrial Engineering/Entrepreneurship as open elective course of V and VI semester instead of the course “Finance and Accounting”
17. For open electives of VII and VIII, the members suggested to change the name of course Nanotechnology and surface Engineering to “Introduction to Nanotechnology and Surface Engineering”.



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18. Dr. S. Sankar has suggested to include the course "Optimization Techniques" in place of "Finance and Accounting" as open elective.
19. Dr. S. Sankar has suggested to add the course, "Additive Manufacturing" in Professional Elective Courses.
20. Student member, Ms. V. Sruthi requested to introduce the "Industrial Robotics" as the separate course so as to have wide knowledge on developing and applying robots in industries, the chairman informed that the course "Industrial Robotics" is added to the list of professional electives to be offered in the VII and VIII Semesters.
21. External members felt that professional core courses have to be given more importance and recommended to offer more credits to those courses.
22. Dr. R. Elansezhian, recommended to prescribe electives to offer Honors to Mechanical Engineering students and minor degree to other department students. In this regard, the students who opt for honours has to earn 20 credits by appearing for 5 courses offered under 'honours elective stream'. Similarly, students who opt for minor degree in Mechanical has to earn 20 credits by appearing for 5 courses offered under 'Minor elective stream'. In addition, the students having minimum 8.0 CGPA till 5<sup>th</sup> Semester and have no standing arrears are only eligible for the above.
23. Expert member from other university and Industrial member suggested some revisions in Department Vision and Mission. They recommended to add the term "Contribute to the Society" in Department Vision and the terms "teaching learning process", "life long learning / continuous learning" in department mission.
24. External members also suggested to add the word "Industry" with R&D organizations in department vision and mission.
25. BOS approved the panel of examiners for question paper setting and answer script evaluation.





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Sl.No	Name and Designation	Board of Studies	Signature
1	<b>Dr.M.Chandrasekaran</b> Principal, GCE Bargur	Parton – Ex officio	—
2	<b>Dr.P.K.Palani</b> Professor / Mechanical, GCE, Bargur	Chairman	<i>Dr. P.K. Palani</i>
3	<b>Dr.S.Sankar</b> Vice President (Composite Working Group) NAFEMS India, Bangalore	Industry Expert – External Member	<i>Sankar</i>
4	<b>Dr. U.S.Mallik</b> Professor, Department of Mechanical Engineering S.I.T, Tumkur – 572103, Karnataka, India	External Member	—
5	<b>Dr. R. Elansezhian M.E., Ph.D.,</b> Associate Professor Department of Mechanical Engineering PEC, Puducherry - 605 014	External Member	<i>R. Elansezhian</i> 15/8/18
6	<b>Dr.R.Vijayan</b> Professor & Head of the Dept. Department of Mechanical Engineering, GCE, Salem	External Member	—
7	<b>Mr.K.Ramesh</b> Associate Consultant, Sapient Bangalore	Alumini-External Member	—
8	<b>Dr.P.Thirumal</b> Asst. Professor (Sr.Gr)/Mechanical, GCE, Bargur	Internal Member	<i>Dr. P. Thirumal</i>
9	<b>Prof.P.Natarajan</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	<i>Prof. P. Natarajan</i>
10	<b>Dr.I.Rahamathullah</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	<i>Dr. I. Rahamathullah</i>
11	<b>Mr. S. Ananthakumar</b> Asst. Professor / Mechanical, GCE, Bargur	Internal Member	<i>Mr. S. Ananthakumar</i>



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12	<b>Prof. D. Kulandaivel</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	
13	<b>Prof. S. Sankarganesh</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	
14	<b>Prof. M. Anbarasu</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	
15	<b>Mr. M. Anantha Babu</b> Asst. Professor / Mechanical, GCE, Bargur	Internal Member	
16	<b>Dr. I. Ashokkumar</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	
17	<b>Dr. D. Thirumalaikumarasamy</b> Asst. Professor/Mechanical, GCE, Bargur	Internal Member	
18	<b>A. Aathi</b> Final Year/ Mechanical GCE, Bargur	Student Member	
19	<b>V. Shruthi</b> Final Year/ Mechanical GCE, Bargur	Student Member	

Finally the board approved the CBCS curriculum and syllabi for B.E First year.

The Chairman (BOS) Dr. P. K. Palani Professor and Head, thanked the members present and the meeting came to close at 1.00 P.M.

**CHAIRMAN (BOS-MECHANICAL)**

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