



1/2

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

Minutes of Second Board of Studies (Mechanical Engineering) held on 27.04.2018

The second board of studies meeting of Mechanical engineering was conducted on 27.04.2018 by 10.30 am at mini seminar hall of Dept. of Mechanical Engineering, GCE, Bargur. The curriculum for B.E Mechanical Engineering from 5th to 8th semester under CBCS- choice based credit systems and related subjects were presented to the Board of Studies.

The following were present for the meeting.

Sl.No	Name and Designation	Board of Studies
1	Dr.M.Chandrasekaran, Principal, GCE, Bargur	Parton – Ex officio
2	Dr.P.Thirumal, HOD/Mechanical Engg., GCE, Bargur	Chairman
3	Dr. Gukanrajaram, Professor, Dept. of Mechanical Engineering, PSG College of Technology, Coimbatore	Anna University Nominee
4	Dr.S.Sankar, Vice President (Composite Working Group) NAFEMS India, Bangalore	Industry Expert – External Member
5	Prof.P.Natarajan, Asst. Professor/Mechanical, GCE, Bargur	Internal Member
6	Dr.I.Rahamathullah Asst. Professor/Mechanical, GCE, Bargur	Internal Member
7	Prof.D.Kulandaivel Asst. Professor/Mechanical, GCE, Bargur	Internal Member
8	Prof.S.Sankarganesh Asst. Professor/Mechanical, GCE, Bargur	Internal Member
9	Prof.M.Anbarasu Asst. Professor/Mechanical, GCE, Bargur	Internal Member
10	Dr.I.Ashokkumar Asst. Professor/Mechanical, GCE, Bargur	Internal Member
11	Dr.D.Thirumalai Kumarasamy Asst. Professor/Mechanical, GCE, Bargur	Internal Member



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




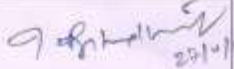
The following points were discussed and syllabus for B.E Mechanical engineering 05th semester to 08th semester was finalized.

- Dr.S.Sankar proposed the following changes in 5th semester subject 17MPC504 "Operation Research"
 1. For unit 2 the number of hours increased from 9 to 12
 2. For unit 3 the number of hours reduced from 9 to 6
 3. The sequencing modelling topic removed from unit 2 and added to unit 4
- Dr.Gukanrajaram proposed to add Hybrid vehicles and Fuel cells in unit 3 of subject 17MPC505 "Energy Engineering"
- Dr.S.Sankar proposed the following changes in 6th semester subject 17MPC601 "Computer Aided Design and Manufacturing"
 1. Number of hours of unit 1 is changed from 9 to 12
 2. Number of hours of unit 5 is reduced from 9 to 6 based on the syllabus content
- The board suggested to include Applications of jet propulsion in unit-4 of sixth semester subject 17MPC602 "Gas dynamics and Jet Propulsion"
- The board suggested to change the unit 5 - Friction clutches and Brakes to unit 2 in the subject 17MPC603 "Design of Transmission Systems"
- In 6th semester subject 17MPC604 "Metrology and Measurements", the following changes has been proposed by the board
 1. In unit-1 introduction to interferometry is added
 2. In unit -5 Clean room standards is added
 3. The topics Readability, Reliability and Calibration is moved from unit-4 to unit-1
 4. Pressure measurement topic is added to unit-4 and limit gauges is added to unit-3
- The board suggested to take the cumulative performance of students on both 5th and 6th semester for 17MEE609 "Professional Skills Development Laboratory" instead of taking performance in 6th semester only.
- In 7th semester subject 17MES701 "Engineering Economics and Management", unit 3, unit 4 and unit 5 will be reformulated as two units (unit 4 and unit 5) and for unit 3 new syllabus is formed and approved.
- The board suggested to add the following topics IOT applications and Industry 4.0 to unit 5 of subject 17MPC702 "Industrial Automation"
- Simple CFD analysis problem is included in Seventh semester 17MEE707 "Simulation laboratory"
- The board suggested to include the following topics in professional elective 17MPE011 "Welding technology" Add the topics cold metal transfer and explosive welding to unit 4 and Heat Affected Zone is added to unit 5
- The board suggested to remove the subject 17MOE007 "Material Characterization" from the list of open electives and add the same subject to list of professional electives
- The subject 17MPE022 "Industrial Safety and Regulations" is added to the list of open electives
- In open elective 17MOE003 "Composite Materials" unit 5 is removed and new syllabus for unit 5 is formed and approved.



9/2

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

Sl.No	Name and Designation	Board of Studies	Signature
1	Dr.M.Chandrasekaran, Principal, GCE, Bargur	Parton - Ex officio	 27/4/18
2	Dr.P.Thirumal, HOD/Mechanical Engg., GCE, Bargur	Chairman	 27/4/18
3	Dr. Gukanrajaram, Professor, Dept. of Mechanical Engineering, PSG College of Technology, Coimbatore	Anna University Nominee	
4	Dr.R.Vijayan, Professor, Dept. of Mechanical Engineering, Government College of Engineering, Salem	Subject Expert - External Member	Expressed his inability to attend the meeting
5	Dr.P.K.Palani, Associate Professor, Government College of Technology, Coimbatore	Subject Expert - External Member	Expressed his inability to attend the meeting.
6	Dr.S.Sankar, Vice President (Composite Working Group) NAFEMS India, Bangalore	Industry Expert - External Member	
7	Mr.K.Ramesh, Associate Consultant, Sapient Bangalore	Alumni - External Member	Expressed his inability to attend the meeting.
8	Prof.P.Natarajan, Asst. Professor/Mechanical, GCE, Bargur	Internal Member	 27/4/18
9	Dr.I.Rahamathulla Asst. Professor/Mechanical, GCE, Bargur	Internal Member	 27/4/18
10	Prof.S.Ananthakumar Asst. Professor/Mechanical, GCE, Bargur	Internal Member	Expressed his inability to attend the meeting.
11	Prof.D.Kulandaivel Asst. Professor/Mechanical, GCE, Bargur	Internal Member	 27/4/18
12	Prof.S.Sankarganesh Asst. Professor/Mechanical, GCE, Bargur	Internal Member	 27/4/18



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

13	Prof.M.Anbarasu Asst. Professor/Mechanical, GCE, Bargur	Internal Member	<i>M. Anbarasu</i> 27/11/18
14	Dr.I.Ashokkumar Asst. Professor/Mechanical, GCE, Bargur	Internal Member	<i>I. Ashokkumar</i> 27/11/18
15	Dr.D.Thirumalai Kumarasamy Asst. Professor/Mechanical, GCE, Bargur	Internal Member	<i>D. Thirumalai</i> 27/11/18

The Meeting concluded by 1.00 PM. The chairman of the Board thanked the university nominee and external subject experts.

(Signature)
Chairman
Mechanical Engineering Board, GCE, Bargur.
(Dr. P. THIRUMALAI)