



SRI SHANMUGHA COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)
Approved by AICTE, Affiliated to Anna University,
Accredited by NAAC, NBA (ECE/CSE/MECH) and ISO 9001:2015
Certified
Pullipalayam, Sankari, Salem (Dt.)

DEPARTMENT OF MECHANICAL ENGINEERING
SECOND BOARD OF STUDIES MEETING

AGENDA

Venue: Board Room
Date : 01.07.2024
Time : 10.00 am

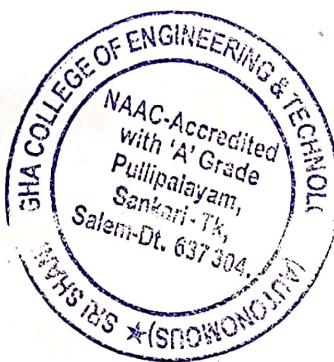
1. To discuss and pass the syllabi of second year courses of B.E. Mechanical Engineering Programme for the students admitted from the academic year 2023-24 onwards.
2. To discuss and pass the Syllabi of second year courses offered to other programmes for the students admitted from the academic year 2023-24 onwards.
3. To discuss and pass the syllabi of second year courses of M.E. Industrial Safety Engineering Programme for the students admitted from the academic year 2023-24 onwards.
4. Any other Matters.

Dr L. Prabu
29/6/24
Head of the Department

Dr L.PRABU, M.E., Ph.D
Associate Professor,
Department of Mechanical Engineering,
Sri Shanmugha College of
Engineering & Technology,
Sankari-637 301.

G. M. Raja
27/6/24
Principal

PRINCIPAL
SRI SHANMUGHA
COLLEGE OF ENGINEERING AND TECHNOLOGY
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Pullipalayam, Sankari, Tamil Nadu, 637 304.





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DEPARTMENT OF MECHANICAL ENGINEERING

SECOND BOARD OF STUDIES

MINUTES OF MEETING

Meeting No. : SSCET/MECH/02

Date : 01.07.2024

Time : 10.00 am

Venue : Board Room ('A' Block)

The second Board of Studies Meeting of Mechanical engineering have been convened for deliberating the syllabi of UG and PG programme and passing the same to the Academic Council. The Chairperson welcomed the members and presented the Syllabi of UG and PG programme of mechanical engineering department under Regulation 2023 for the students admitted from the academic year 2023-24 onwards. The members had thorough discussion and resolved to pass the syllabi to the Academic Council.

The following points were discussed in the meeting.

1. To discuss and pass the syllabi of second year courses of B.E. Mechanical Engineering Programme for the students admitted from the academic year 2023-24 onwards.
2. To discuss and pass the Syllabi of second year courses offered to other programmes for the students admitted from the academic year 2023-24 onwards.
3. To discuss and pass the syllabi of second year courses of M.E. Industrial Safety Engineering Programme for the students admitted from the academic year 2023-24 onwards.
4. Any other Matters.

1) To discuss and pass the syllabi of second year courses of B.E. Mechanical Engineering Programme for the students admitted from the academic year 2023-24 onwards.

a) The BoS has resolved to pass the syllabi of second year courses of B.E. Mechanical engineering Programme to the Academic Council for approval with the following modifications.

- i) Suggested to revise the content of Unit-III in Engineering Thermodynamics course.
 - ii) Suggested to rephrase the course outcome of Unit-I in Engineering Mechanics course.
 - iii) Suggested to include the topic "Introduction of Engineering materials and application" in Unit-I of Engineering Materials and Metallurgy course.
 - iv) Suggested to change the title of Unit-III as Ferrous and Non-Ferrous Alloys in Engineering Materials and Metallurgy course.
 - v) Suggested to include the application overview of various manufacturing methods in the Manufacturing Processes course.
 - vi) Suggested to include powder metallurgy processing techniques in Unit-IV of Manufacturing Processes course.
 - vii) Suggested to remove the topic "Types and characteristic of plastics" in Unit-IV of Manufacturing Processes course.
 - viii) Suggested to include at least 1 challenging exercise in the Fluid Mechanics and Machinery theory cum practical course.
 - ix) Suggested to include at least 1 exercise associated with the post processing of CAD models for the practical course CAD Laboratory.
 - x) Suggested to revise the content of Unit-IV in Thermal Engineering course.
 - xi) Suggested to revise the title of Unit-V of Strength of Materials course.
 - xii) Suggested to provide in depth learning of CNC programming in the Manufacturing Technology course.
- 2) To discuss and pass the Syllabi of second year courses offered to other programmes for the students admitted from the academic year 2023-24 onwards.**
- a) The BoS has resolved to pass the Syllabi of second year courses offered to other programmes to the Academic Council for approval.
- 3)To discuss and pass the syllabi of second year courses of M.E. Industrial Safety Engineering Programme for the students admitted from the academic year 2023-24 onwards.**
- a) The BoS has resolved to pass syllabi of second year courses of M.E. Industrial Safety Engineering to the Academic Council for approval.

4) Any other Matters.

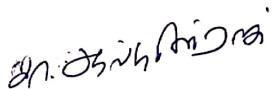
i) The BoS has resolved to pass the Syllabi of one credit courses offered to B.E. Mechanical Engineering Programme and other programmes to the Academic Council for approval.

ii) Suggested to provide skill based training under different verticals which includes Design, Manufacturing, Industrial Automation, Robotics, AI&ML etc. for core employability scope.

The BoS has resolved to pass the syllabi of second year courses of UG and PG programme of Mechanical Engineering department and other programmes for the students admitted from the academic year 2023-24 onwards.


Chairman – Board of Studies
Dr L.PRABU,M.E.,Ph.D
Associate Professor,
Department of Mechanical Engineering,
Sri Shanmuga College of
Engineering & Technology,
Sankari-637 301.

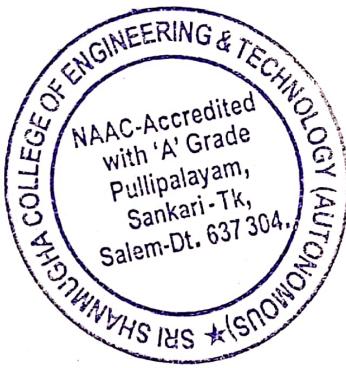
The following members were present during the meeting.

S.No.	Position	Name & Designation	Signature
1	Chairman	Dr.L.Prabu, Associate Professor & Head, Department of Mechanical Engineering, Sri Shanmuga College of Engineering and Technology,Salem.	
2	University Nominee	Dr.J.Aldrin Raj, Associate Professor, Department of Mechanical Engineering, Government College of Engineering,Bodinayakanur.	
3	Two subject experts from outside the Parent University	1.Dr.K.Prabu, Associate Professor, Department of Automotive Engineering, VIT University, Vellore.	
		2. Dr.D.Robinson Smart, Professor, Department of Aerospace Engineering, Karunya institute of Technology and Sciences, Coimbatore.	 <i>Absent</i>
4	Expert from Industry	Mr.N.Ramachandran, Director-Operations PRD Rigs India Pvt Ltd,Tiruchengode.	 <i>Absent</i>
5	One PG and UG Alumni	Mr.P.Kumaresan, Senior engineer-Vehicle and components engineering, Renault Nissan Technology and Business Center India Pvt Ltd,Chennai.	

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Faculty Members

1.Dr.N.R.Srinivasan, Professor	<i>B. Srinivasan</i>
2.Dr.N.Natarajan, Professor	<i>N. Natarajan</i>
3.Dr.T.Sathies, Associate Professor	<i>T. Sathies</i>
4.Mr.R.Boopathi, Assistant Professor	<i>R. Boopathi</i>
5.Mr.M.Mohan, Assistant Professor	<i>M. Mohan</i>
6.Mr.V.Kavinraj, Assistant Professor	<i>V. Kavinraj</i>
7.Mr.E.Gopinath, Assistant Professor	<i>E. Gopinath</i>
8.Mr.N.Vasantha Prasath, Assistant Professor	<i>N. Vasantha Prasath</i>
9.Mr.A.B.Chandrabathanan, Assistant Professor	<i>A.B. Chandrabathanan</i>
10.Mr.N.Mugilarasan, Assistant Professor	<i>N. Mugilarasan</i>
11.Mr.D.Arunkumar, Assistant Professor	<i>D. Arunkumar</i>
12.Mr.T.R.Arunprasand, Assistant Professor	<i>T.R. Arunprasand</i>
13.Mr.D.Sakthivel, Assistant Professor	<i>D. Sakthivel</i>



C. M. Prabu
Principal
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L. Prabu
Chairman – Board of Studies
Dr L.PRABU, M.E., Ph.D
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DEPARTMENT OF MECHANICAL ENGINEERING
SECOND BOARD OF STUDIES
MINUTES OF MEETING WITH RESOLUTION

Meeting No : SSCET/MECH/BoS/2
Date : 01.07.2024
Time : 10.00 am

Agenda:

1. To discuss and pass the syllabi of second year courses of B.E. Mechanical Engineering Programme for the students admitted from the academic year 2023-24 onwards.
2. To discuss and pass the Syllabi of second year courses offered to other programmes for the students admitted from the academic year 2023-24 onwards.
3. To discuss and pass the syllabi of second year courses of M.E. Industrial Safety Engineering Programme for the students admitted from the academic year 2023-24 onwards.
4. Any other Matters.

Resolutions

1. Resolved that the following recommendations may be passed to the standing committee of the Academic Council for the syllabi of second year courses of B.E. Mechanical Engineering programme with the following changes.

Semester- III

RECOMMENDATION	RESOLUTION
B.ME.1.1 Dr.J.Aldrin Raj Suggested to revise the content of Unit-III in Engineering Thermodynamics course	B.ME.R 1.1 The content of Unit-III in Engineering Thermodynamics course is revised, as per the suggestion
B.ME.1.2 Dr.K.Prabu Suggested to rephrase the course outcome of Unit-I in Engineering Mechanics course.	B.ME.R 1.2 The course outcome of Unit-I in Engineering Mechanics course is revised, as per the suggestion
B.ME.1.3 Dr.K.Prabu Suggested to include the topic "Introduction of Engineering materials and application" in Unit-I of Engineering Materials and Metallurgy course.	B.ME.R 1.3 The suggested topic is included in Unit-I of Engineering Materials and Metallurgy course, as per the suggestion.

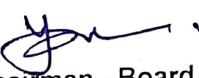
B.ME.1.4 Dr.N.R.Srinivasan Suggested to change the title of Unit-III in Engineering Materials and Metallurgy course.	B.ME.R 1.4 The title of Unit-III in Engineering Materials and Metallurgy course is changed as "Ferrous and Non-Ferrous Alloys", based on the suggestion.
B.ME.1.5 Mr.P.Kumaresan to include the application overview of all manufacturing methods covered in the Manufacturing Processes course.	B.ME.R 1.5 The application overview of all manufacturing methods covered in the Manufacturing Processes course is included in all the units, based on the suggestion.
B.ME.1.6 Dr.J.Aldrin Raj Suggested to include powder metallurgy processing techniques in Unit-IV of Manufacturing Processes course.	B.ME.R 1.6 The topic covering powder metallurgy processing techniques is included in the Unit-IV of Manufacturing Processes course, based on the suggestion.
B.ME.1.7 Dr.K.Prabu Suggested to remove the topic "Types and characteristic of plastics" in Unit-IV of Manufacturing Processes course.	B.ME.R 1.7 The topic "Types and characteristic of plastics" is removed from Unit-IV of Manufacturing Processes course, based on the recommendation.
B.ME.1.8 Dr.K.Prabu Suggested to include at least 1 challenging exercise in the Fluid Mechanics and Machinery theory cum practical course.	B.ME.R 1.8 As per the suggestion, 1 challenging exercise is included in the Fluid Mechanics and Machinery theory cum practical course.
B.ME.1.9 Dr.K.Prabu Suggested to include at least 1 exercise associated with the post processing of CAD models for the practical course CAD Laboratory.	B.ME.R 1.9 As per the suggestion, 1 exercise relevant to post processing of CAD models is included in the practical course CAD Laboratory.

Semester- IV

RECOMMENDATION	RESOLUTION
B.ME.1.1 Dr.J.Aldrin Raj Suggested to revise the content of Unit-IV in Thermal Engineering course.	B.ME.R 1.1 The content of Unit-IV in Thermal Engineering course is revised, as per the suggestion.
B.ME.1.2 Dr.K.Prabu Suggested to revise the title of Unit-V of Strength of Materials course.	B.ME.R 1.2 The suggested title is revised for the Unit-V of Strength of Materials course, as per suggestion
B.ME.1.3 Dr.K.Prabu Suggested to provide in depth learning of CNC programming in the Manufacturing Technology course.	B.ME.R 1.3 The in depth training on CNC programming will be provided through Value added courses based on the recommendation.

2. Resolved that the syllabi of second year courses offered to other programmes for the students admitted from the academic year 2023-24 onwards to the Academic Council for approval.
3. Resolved that the syllabi of second year courses of M.E. Industrial Safety Engineering Programme for the students admitted from the academic year 2023-24 onwards to the Academic Council for approval.
4. Any other points.
 - i) The BoS has resolved to pass the Syllabi of one credit courses offered to B.E. Mechanical Engineering Programme and other programmes to the Academic Council for approval.
 - ii) Suggested to provide skill based training under different verticals which includes Design, Manufacturing, Industrial Automation, Robotics, AI&ML etc. for core employability scope.

RECOMMENDATION	RESOLUTION
B.ME.4.1 Dr.K.Prabu Suggested to provide skill based training under different verticals which includes Design, Manufacturing, Industrial Automation, Robotics, and AI&ML etc. for core employability scope.	B.PME.R 4.1 The in depth training on different verticals will be provided through Value added courses based on the recommendation.


Chairman - Board of Studies

Dr L.PRABU,M.E.,PH.D
Associate Professor,
Department of Mechanical Engineering,
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