



SCHOOL OF MECHANICAL ENGINEERING
BOARD OF STUDIES – MINUTES OF MEETING



**The minutes of Meeting of the board of studies for the Department of Mechanical Engineering was held on 11.08.2022 at 10.00 AM .
Venue- Board Room – First Floor**

The following Members were present

PANEL OF MEMBERS			
Sl. No	Member	Role	College/ University/ Industry/Alumini
1	Dr. M.Senthil Kumar	Dean School of Mechanical - BOS Chairman	BOS Chairman
2	Dr .V.Balambica	Professor and Head (Mechanical Engineering)	BIST
3	Dr .D. Raguraman	Professor and Head(Automobile Engineering)	BIST
4	Dr N S Senthur	Associate Professor (Mechatronics Engineering)	BIST
5	Dr M P Natarajan	Professor	BIST
6	Dr R Hariharan	Associate Professor	BIST
7	Dr Annamalai	Professor, Department of Automobile Engineering, MIT	Anna University Nominee
8	Dr J Kuberan	Prof. & Head Mechanical- SKP Engg. College	Subject Expert
9	Dr Papitha	Professor –Department Of Instrumentation –MIT Chrompet	Special Invitee
10	Dr G Manikandan	Assistant Professor- Hawassa University-Ethiopia	Subject Expert
11	Mr Abdul Kareem	Assistant Professor Mechanical Engineering-Salalah Institute of Science and Technology	Subject Expert

12	Dr Vijay Ananth Suyamburajan	Assistant Prof.- Vels Institute of Science And Technology	Subject Expert- Mechanical
13	Dr Anantha Padmanaban	Professor Mech. – SSN College Of Engineering	Subject Expert- Mechanical and Automobile
14	Mr Ranjeev	Valve design and Automation Engineer	Alumini- Automobile Member
15	Mr Selvin Blacius	Senior Analyst- Ford Motor Company	Alumini – Mechanical Member
16	Mr P Sharan	Project Lead Manager- Accenture	Alumini- Mechatronics member
17	Mr.Arivukkarasan Raja,	Delivery Lead Manager- Accenture	Industry Expert
18	Mr R Santosh Kumar	Super Auto Forge Limited	Industry Expert

The following Points were discussed :

- **Vision, Mission, PEOs, POs and PSOs**
- **Action taken for the Previous BOS Meeting**
- **Introduction of New three Credit Courses, Programme Electives and Open Electives,**
- **Innovative Teaching and Best Practices, Learning and Assessment Methods**
- **Targets for CO / PO for Academic Year 2023-24**
- **Approval of Panel of Examiners for QP Setting and Lab Exams for AY 2022-23,**

S.NO	DESCRIPTION& DISCUSSION POINTS
1.	<ul style="list-style-type: none"> ● The Chairman welcomed the panel members and presented the agenda for the day. Dr.N.SSenthur proposed the welcome address and introduced the Panel Members. ● Dr. K Venkatesan produced the action taken from the previous BOS meeting to the panel. ● Vision, mission and PSO of the department have been shared with the panel members
2.	<ul style="list-style-type: none"> ● The panel members approved the list of QP setters nominated by the Department and suggested to include Associate Professors also in the mix. ● CO-PO attainment of the R 20 curriculum presented and suggestions for improvement is fixing the target was discussed. ● Overview of finalized R20 curriculum was presented and an addition of 3 credit elective course for 2024 curriculam update on MICROCONTROLLER AND EMBEDDED C PROGRAMMING was proposed to the panel members and they approved the same.
3.	<p>Best Practices Followed was discussed by Dr M.P. Natarajan:</p> <ul style="list-style-type: none"> ● Students were encouraged to do Mini Projects of their interest and participate in competitions, during the final year project evaluation the activity will be considered for credits. Encourage interdisciplinary project. ● Students can collaborate with MBA and also Medical Sciences and other Majors as well. ● FAB LAB 24 x 7 facility for fabrication projects, Incubation Cell – Takes on Alumni based projects as live projects. <p><u>Dr K.Venkatesan</u></p> <ul style="list-style-type: none"> ● Students can take elective at any level and the only thing is they should have completed the prerequisite. For example, a second-year student can choose and 3rd year elective so there will be a mixture of students. Only thing is they should complete the number of credits as mentioned by BIHER and additional credits also can be taken for value addition.
4.	<p>Dr.M.P. Natarajan</p> <ul style="list-style-type: none"> ● The QP should not be set in a manner the students can readily find the answers in the internet, the questions can be of correlation, compare, analyzing a real time problem etc. <p>Dr. K. Venkatesan</p> <ul style="list-style-type: none"> ● The assessments are conducted using CODETANDRA where the QP will be set in 3 levels and the questions will be shuffled for each student and each question will be timed so that they cannot come back to the previous question the students are proctored like 20 students will have a proctor and 5 proctors will be under one super proctor and all the student's movements are recorded. For analytical papers more time will be allocated.

5	Mr Selvin Blacius Alumni added that the students can be encouraged to do more online certification courses as a value addition and to motivate them recognition can be given.
6	The meeting concluded with all the above-mentioned thoughts and the vote of thanks was proposed by Dr V.Balambica .

PANEL OF MEMBERS			
Sl. No	Member	Role	Signature
1	Dr. M.Senthil Kumar	Dean School of Mechanical - BOS Chairman	
2	Dr .V.Balambica	Professor and Head (Mechanical Engineering)	
3	Dr .D. Raguraman	Professor and Head(Automobile Engineering)	
4	Dr .N.S Senthur	Associate Professor (Mechatronics Engineering)	
5	Dr M. P Natarajan	Professor	
6	Dr R Hariharan	Associate Professor	
7	Dr Annamalai	Professor-MIT	
8	Dr J Kuberan	Prof. & Head Mechanical-SKP Engg. College	
9	Dr Papitha	Professor –Department Of Instrumentation –MIT Chrompet	
10	Dr G Manikandan	Assistant Professor- Hawassa University-Ethiopia	
11	Mr Abdul Kareem	Assistant Professor Mechanical Engineering-Salalah Institute of Science And Technology	
12	Dr Vijay Ananth Suyamburajan	Assistant Prof.- Vels Institute of Science And Technology	
13	Dr Anantha Padmanaban	Professor Mech. – SSN College Of Engineering	
14	Mr Ranjeev	Valve design and Automation Engineer	
15	Mr Selvin Blacius	Senior Analyst- Ford Motor Company	
16	Mr P Sharan	Project Lead Manager- Accenture	
17	Mr.Arivukkarasan Raja,	Delivery Lead Manager- Accenture	
18	Mr R Santosh Kumar	Super Auto Forge Limited	



SCHOOL OF MECHANICAL ENGINEERING
BOARD OF STUDIES – MINUTES OF MEETING



The minutes of Meeting of the Board of Studies for the Department of Mechanical Engineering was held on 14.03.2023 at 11.00 AM .

Venue- Board room – First Floor

The following members were present.

PANEL OF MEMBERS			
Sl. No	Member	Role	College/ University/ Industry/Alumni
1	Dr. M.Senthil Kumar	Dean School of Mechanical -BOS Chairman	BOS Chairman
2	Dr .V.Balambica	Professor and Head (Mechanical Engineering)	BIST
3	Dr .D. Raguraman	Professor and Head(Automobile Engineering)	BIST
4	Dr N S Senthur	Associate Professor (Mechatronics Engineering)	BIST
5	Dr M P Natarajan	Professor	BIST
6	Dr R Hariharan	Associate Professor	BIST
7	Dr Annamalai	Professor, Department of Automobile Engineering, MIT	Anna University Nominee
8	Dr J Kuberan	Prof. & Head Mechanical- SKP Engg. College	Subject Expert
9	Dr Papitha	Professor –Department Of Instrumentation – MIT Chrompet	Special Invitee

10	Dr G Manikandan	Assistant Professor- Hawassa University- Ethiopia	Subject Expert- Mechanical
11	Mr Abdul Kareem	Assistant Professor Mechanical Engineering-Salalah Institute of Science And Technology	Subject Expert- Mechanical and Automobile
12	Dr Vijay Ananth Suyamburajan	Assistant Prof.- Vels Institute of Science And Technology	Alumini- Automobile Member
13	Dr Anantha Padmanaban	Professor Mech. – SSN College Of Engineering	Alumini –Mechanical Member
14	Mr Ranjeev	Valve design and Automation Engineer	Alumini- Mechatronics member
15	Mr Selvin Blacius	Senior Analyst- Ford Motor Company	Industry Expert
16	Mr P Sharan	Project Lead Manager- Accenture	Industry Expert

The following Points were discussed :

- **Vision, Mission, PEOs, POs and PSOs**
- **Action taken for the Previous BOS Meeting**
- **Members recommendations for implementing NEP 2020.**
- **Members deliberation on perceived gaps in existing curriculum and syllabus & suggestions for new curriculum & syllabi for Regulations 2024 (R2024)**

- **Members inputs towards upgradation of infrastructure /teaching aids to aid content delivery.**
- **Best Practices followed in (External) Members' Institutions**

S.NO	DESCRIPTION& DISCUSSION POINTS
1.	<ul style="list-style-type: none"> ✓ The Chairman welcomed the panel members and presented the agenda for the day. Dr. R Hariharan proposed the welcome address and introduced the panel members. ✓ Department BOS Coordinator started the meeting with the objective of the BOS meeting. ✓ BOS Coordinator discussed about the previous BOS meeting minutes and the action taken regarding the subjects was discussed.
2.	<ul style="list-style-type: none"> ✓ The panel members approved the list of QP setters nominated by the Department and suggested to include Associate professors also in the mix. ✓ CO-PO attainment of the R 24 curriculum presented and suggestions for improvement is fixing the target was discussed. ✓ Curriculam was proposed to the panel members and they approved the same. ✓ Three Credit Course to be introduced and to decide by: bringing in expertise from Industry, and Institution
3.	<p>Best Practices Followed was discussed by Dr. M.P. Natarajan:</p> <ul style="list-style-type: none"> ✓ Students were encouraged to do Mini Projects of their interest and participate in competitions, during the final year project evaluation the activity will be considered for credits. Encourage interdisciplinary project. ✓ Students can be left free in 7th OR 8th semester so that they can go for projects Students can collaborate other majors as well/ ✓ Industry based projects were projected. <p><u>Dr.M.P. Natarajan</u> proposed</p> <ul style="list-style-type: none"> ✓ Students can take elective at any level and the only thing is they should have completed the prerequisite. For example, a second-year student can choose and 3rd year elective so there will be a mixture of students. Only thing is they should complete the number of credits as mentioned by BIHER and additional credits also can be taken for value addition.
4.	<p>The meeting minutes was about the vision, Mission, PSOs and PEOs statement changes for the R24 were discussed.</p>

5	<p>Mr Selvin Blacius Alumni added that the students can be encouraged to do more online certification courses as Coursera.</p>
6	<p>In electronics devices and circuit in 1st Unit title should be DC circuit Analysis and 2nd Unit title is Semiconductor devices. Reference books editions are recommended to be updated. In lab, open-source tools to be used.</p> <p>In fluid mechanics, Bernoulli's theorem application content need to be included.</p> <p>In sensor and signal conditioning, Course outcome CO 4 and 5 has same objective and can be merged to one. Signal conditioning of some transducers to be given in the 5th unit. In 4th Unit, Bio signals can be added</p>
7	<p>Members suggested to give Automotive Electronics as a compulsory elective.</p> <p>In Maintenance Engineering subject, Smart Maintenance topic can be added.</p> <p>In Medical electronics more bio signal instruments can be included.</p> <p>MEMS subject title can be MEMS dynamic and control which can be related to Mechatronics.</p> <p>In open elective Magic and Mechanics, the hours allocated should be evenly done.</p> <p>Members suggested to have Arial robotics as one of the professional elective.</p>
8	<p>Constitution of India course is moved to 6th Semester for the benefit of the lateral entry students and the subject code</p>
9	<p>Improve students research and product development funded by BIHER.</p>
10	<p>The meeting concluded with all the above-mentioned thoughts and the Vote of thanks was proposed by Dr M.P.Natarajan.</p>

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1	Dr. M.Senthil Kumar	Dean School of Mechanical - BOS Chairman	
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4	Dr N S Senthur	Associate Professor (Mechatronics Engineering)	
5	Dr M P Natarajan	Professor	
6	Dr R Hariharan	Associate Professor	
7	Dr Annamalai	Professor, Department of Automobile Engineering, MIT	
8	Dr J Kuberan	Prof. & Head Mechanical- SKP Engg. College	
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13	Dr Anantha Padmanaban	Professor Mech. – SSN College Of Engineering	
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1	Dr. M.Senthil Kumar	Dean School of Mechanical - BOS Chairman	M. Senthil Kumar
2	Dr .V.Balambica	Professor and Head (Mechanical Engineering)	V. Balambica
3	Dr .D. Raguraman	Professor and Head(Automobile Engineering)	D. Raguraman
4	Dr .N.S Senthur	Associate Professor (Mechatronics Engineering)	N.S.Senthur
5	Dr M. P Natarajan	Professor	M.P. Natarajan
6	Dr R Hariharan	Associate Professor	R. Hariharan
7	Dr Annamalai	Professor-MIT	Annamalai
8	Dr J Kuberan	Prof. & Head Mechanical-SKP Engg. College	J. Kuberan
9	Dr Papitha	Professor -Department Of Instrumentation -MIT Chrompet	Papitha
10	Dr G Manikandan	Assistant Professor- Hawassa University-Ethiopia	G. Manikandan
11	Mr Abdul Kareem	Assistant Professor Mechanical Engineering-Salalah Institute of Science And Technology	Abdul Kareem
12	Dr Vijay Ananth Suyamburajan	Assistant Prof.- Vels Institute of Science And Technology	Vijay Ananth
13	Dr Anantha Padmanaban	Professor Mech. - SSN College Of Engineering	Anantha Padmanaban
14	Mr Ranjeev	Valve design and Automation Engineer	Ranjeev
15	Mr Selvin Blacius	Senior Analyst- Ford Motor Company	Selvin B
16	Mr P Sharan	Project Lead Manager- Accenture	P. Sharan
17	Mr.Arivukkarasan Raja,	Delivery Lead Manager- Accenture	Arivukkarasan Raja
18	Mr R Santosh Kumar	Super Auto Forge Limited	R. Santosh Kumar

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1	Dr. M.Senthil Kumar	Dean School of Mechanical - BOS Chairman	M. S.
2	Dr .V.Balambica	Professor and Head (Mechanical Engineering)	V. Balambica
3	Dr .D. Raguraman	Professor and Head(Automobile Engineering)	D. Raguraman
4	Dr N S Senthur	Associate Professor (Mechatronics Engineering)	NSS Senthur
5	Dr M P Natarajan	Professor	M. P. Natarajan
6	Dr R Hariharan	Associate Professor	R. Hariharan
7	Dr Annamalai	Professor, Department of Automobile Engineering, MIT	Annamalai
8	Dr J Kuberan	Prof. & Head Mechanical- SKP Engg. College	J. Kuberan
9	Dr Papitha	Professor -Department Of Instrumentation -MIT Chrompet	Papitha
10	Dr G Manikandan	Assistant Professor- Hawassa University-Ethiopia	Mani Kandan
11	Mr Abdul Kareem	Assistant Professor Mechanical Engineering-Salalah Institute of Science And Technology	Abdul Kareem
12	Dr Vijay Ananth Suyamburajan	Assistant Prof.- Vels Institute of Science And Technology	Vijay
13	Dr Anantha Padmanaban	Professor Mech. - SSN College Of Engineering	Anantha Padmanaban
14	Mr Ranjeev	Valve design and Automation Engineer	Ranjeev
15	Mr Selvin Blacius	Senior Analyst- Ford Motor Company	Selvin B
16	Mr P Sharan	Project Lead Manager- Accenture	P. Santhosha