



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Mechanical Engineering

6th BOARD OF STUDIES MEETING

Minutes of Meeting

ACADEMIC YEAR 2021-22

DATE : 14th July 2021
VENUE : IIoT Lab, Sardhar Vallabhai Patel Block
TIME : 2:00 pm to 5:00 pm

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AGENDA FOR THE MEETING

Agenda – 1 Discussion on overall credit distribution matrix – 175 credit program.

Agenda – 2 Discussion on schemes – 175 credit program.


Agenda – 3 Deliberation of 7th & 8th Sem Scheme & Syllabus -175 Credit Program.

Agenda – 4 Discussion on introducing programming languages in the curriculum.

LIST OF MEMBERS

Sl. No.	Category	Nomination of the committee	Name of the person	Email ID & Mobile No
1	Head of the Department	Chair Person	Dr. Shridhar Kurse	hod_mee@newhorizonindia.edu 9986688726
2	Faculty member at different level with different specialization	Member	Dr. Gopala Krishnan	dean_research@newhorizonindia.edu 9845173730
		Member	Dr. Amarjeet Singh	dean.academics@newhorizonindia.edu 9315432675
		Member	Dr. Ashok Kumar	ashokk@newhorizonindia.edu 8587060196
		Member	Dr. Srinath M K	srinathmk@newhorizonindia.edu 9986155082
		Member	Prof. Puneeth. H.V	puneethhv@newhorizonindia.edu 9844537644
		BoS Coordinator	Prof. Santhosh A N	santhoshan@newhorizonindia.edu 9620691199
3	Subject expert from outside the college nominated by Academic Council	External Member	Dr. Rangavittala H K Professor, BMSCE, Bangalore	hkrv.mech@bmsce.ac.in 9481452552
4	Experts from outside the college nominated by Vice Chancellor	VTU Nominee	Dr. Shanmukha Nagaraj Professor, RVCE, Bangalore	shanmukhan@rvce.edu.in 9845129398
5	Representative from Industry / Corporate sector / allied area related to placements, nominated by Academic Council	Member	Mr. Vaibhav Vijay Product Manager – DAIMLER India Pvt Ltd.	vaibhavranjan90@gmail.com 9738456774
6	Graduates / Post Graduates meritorious alumni nominated by Principal	Member	Mr. Manjunath B Design Engineer – Autoliv Bangalore	manjunath.basavaraju@autoliv.com 9008390019
7	Co-opted members	Member	Prof. Gangadhar Immadi Dept. of ISE, NHCE, Bangalore	gangadharimmadi@newhorizonindia.edu 9986789040
		Member	Prof. Bopanna K D Placement Co- ordinator, NHCE, Bangalore	bopannakd@newhorizonindia.edu 9964644072
		Member	Mr. Binod Kumar Placement Officer, NHCE, Bangalore	placementofficer@newhorizonindia.edu 966392893

LIST OF MEMBERS PRESENT

Sl. No.	Nomination of the committee	Name of the person	Affiliated To	Signature
1	Chair Person	Dr. Shridhar Kurse	NHCE, Bangalore	
2	Member	Dr. Gopala Krishnan	Dean R&D, NHCE, Bangalore	
3	Member	Dr. Amarjeet Singh	Dean Academics, NHCE, Bangalore	
4	Member	Dr. Ashok Kumar	NHCE, Bangalore	
5	Member	Dr. Srinath M K	NHCE, Bangalore	
6	Member	Prof. Puneeth. H.V	NHCE, Bangalore	
7	BoS Coordinator	Prof. Santhosh A N	NHCE, Bangalore	
8	External Member	Dr. Rangavittala H K	Professor, BMSCE, Bangalore	
9	VTU Nominee	Dr. Shanmukha Nagaraj	Professor, RVCE, Bangalore	
10	Member	Mr. Vaibhav Vijay	Product Manager – DAIMLER India Pvt Ltd.	
11	Member	Mr. Manjunath B	Design Engineer – Autoliv Bangalore	
12	Member	Prof. Gangadhar Immadi	Dept. of ISE, NHCE, Bangalore	
13	Member	Prof. Bopanna K D	Placement Co-ordinator, NHCE, Bangalore	
14	Member	Mr. Binod Kumar	Placement Officer, NHCE, Bangalore	

WELCOME ADDRESS BY THE CHAIRMAN OF BOS

Minutes

(Online Platform: Google Meet)

The 6th Board of Studies meeting for Department of Mechanical engineering was scheduled on 14.07.2021 at 2.00 PM in the Mechanical Engineering Department.

At the outset, Chairperson **Dr. Shridhar Kurse** – Professor & Head – Department of Civil Engineering, welcomed the Members for attending the 5th Board of studies meeting held in IIOT Lab via online platform.

The chairperson introduced **Dr. Amarjeet Singh**, Prof & Dean–Academics, New Horizon College of Engineering to the members of Board of Studies and welcomed him for the ensuing proceedings.

The chairperson further expressed special thanks to **Dr. Shanmukha Nagaraj**, Professor, RVCE, Bangalore, an expert, nominated by VTU, and **Dr. Rangavittala H K**, Professor, BMSCE, Bangalore experts, nominated by Academic Council for sparing the time from their busy schedule to attend the meeting.

The chairperson also expressed his gratitude to industrial nominees, **Mr. Vaibhav Vijay**, Product Manager, DAIMLER India Pvt Ltd. and **Mr. Manjunath B**, Design Engineer – Autoliv Bangalore

The meeting was also attended by Co-opted members **Mr. Binod Kumar Singh**, TPO, NHCE, **Prof. Gangadhar Immadi**, NHCE and Internal faculty member **Dr. Gopala Krishnan**, **Dr. Ashok Kumar**, **Dr. Srinath M K**, **Prof. Puneeth. H.V**, **Prof. Santhosh A N** with different specializations.

Agenda – 1 Discussion on overall credit distribution matrix – 175 credit program

The discussion on this agenda began at 2:15PM and it was presented by Dr. Shridhar Kurse.
This agenda was unanimously approved by the members.

Agenda – 1 Discussion on schemes – 175 credit program

Discussion on scheme of 1st to 8th semester of 175 credit program was presented by Dr. Shridhar Kurse.

This agenda was unanimously approved by the members.

Agenda – 3 Deliberation of 7th & 8th Sem Scheme & Syllabus -175 Credit Program

Discussion on Syllabus of 7th to 8th semester courses of 175 credit program was deliberated by the respective course coordinators.

This agenda was unanimously approved by the members with few suggestions/recommendations.

Agenda – 4 Discussion on introducing programming languages in the curriculum

Discussion on introducing programming languages in the curriculum presented by Dr. Shridhar Kurse.

This agenda was unanimously approved by the members with few suggestions/recommendations.

VOTE OF THANKS BY THE CHAIRMAN OF BOS

The Chairman – BoS **Dr. Shridhar Kurse** thanked the external members for their fruitful participation on behalf of the Principal and the Management. He also thanked Dr. Amarjeet Singh, Prof & Dean – Academic and all the other members of the BOS for their active participation. The meeting concluded at 5:00 pm

Dr. Shridhar Kurse
Chairman
Board of Studies
Department of Mechanical Engineering

RECOMMENDATIONS / SUGGESTIONS OF BOS MEMBERS

- 1) Project Phase-1 is introduced in 7th semester with 2 credits and Phase-2 in 8th semester with 10 credits. If a student is ABSENT for phase-1, will he eligible to take up Phase-2? What is the solution for such cases?
- 2) Suggested to have a full fledged internship of 8 to 12 weeks any time between 3rd and 8th semester and only during the semester gap.
- 3) MOOC can also be considered as an internship.
- 4) 20MEE71A, Suggested to have five (5) COs for all the courses. Also relook into mapping of CO-PO. Particularly to PO8, PO9 & PO10 as it is very much essential.
- 5) 20MEE72A, Introduce MATLAB simple program in the content.
- 6) 20MEE73A, Duplication of verbs in CO statements can be avoided turning program in CO2.
- 7) 20MEE741A, Each module should be mapped with 1 or 2 COs.
- 8) 20MEE742A, Need to change the flow of sentence in CO3.
- 9) 20MEE743A, There is NO level-2 in CO-PO mapping.
- 10) 20MEE753A, Some software reliability & quality content can be included.
- 11) 20MEE811A, Each module should be mapped with 1 or 2 COs.
- 12) 20MEE812A, Each module should be mapped with 1 or 2 COs.
- 13) 20MEE813A, Give case studied about this domain. Take concern from industry experts while framing the syllabus for this kind of courses.
- 14) 20MEE814A, Arrange industrial tours for better understanding the courses of this kind.
- 15) 20MEE821A, Each module should be mapped with 1 or 2 COs.
- 16) 20MEE822A, Some contents are overlapping with 20MEE73A.
- 17) 20MEE823A, Need to discuss about advanced robotics.
- 18) Any of the languages can be introduced particularly at 2nd and 3rd year level. Python is the best option.
- 19) Instrumentation and control course should be in 3rd sem as per AICTE model curriculum.
- 20) Electrical vehicle design & Hybrid vehicle design courses can be introduced.

IMPLEMENTATION OF RECOMMENDATION OF BOS MEMBERS

The chairperson constituted the following faculty to review and implement the recommendations of the BOS members in the scheme and syllabus of the curriculum based on industry needs.

The faculties have reviewed the curriculum and affected the changes regarding issues raised by external BOS members.

Course code	Course Name	Assigned Course coordinator
20MEE71A	Mechanical Vibrations	Dr. Srinath M K
20MEE72A	Control Engineering	Prof. Kamalashish Deb
20MEE73A	Automation Engineering	Prof. Puneeth H V
20MEE741A	Operations Research	Prof. Shivaprakash S
20MEE742A	Production and Operational Management	Prof. Karthik S N
20MEE743A	Research Methodology	Dr. Ashok
20MEE744A	Organizational Behavior & Professional Ethics	Prof. Santhosh A N
20MEE745A	Machine Learning & Artificial Intelligence	Prof. Pawan Kadole
20MEE751A	Design For Manufacturing & Assembly	Prof. Raghu Tilak Reddy
20MEE752A	Applied Numerical Techniques and Computing	Prof. Kamalashish Deb
20MEE753A	Hybrid & Electric Vehicles	Prof. Veerasha G
20MEE754A	Hydraulics and Pneumatics	Dr. Bopanna K D
20MEE755A	Rapid Prototyping	Prof. Vinod Kumar G S
20MEE811A	Non-Conventional Manufacturing Technologies	Prof. Rajesh A
20MEE812A	Foundry Technology	Prof. Nagabhushana N
20MEE813A	Agile Manufacturing	Prof. Sujeeth Swamy
20MEE814A	Conventional and Non- Conventional Energy Sources	Prof. Kemparaju C R
20MEE815A	Total Quality Management	Prof. Ravikumar M
20MEE821A	Non Destructive Testing	Prof. Veerasha G
20MEE822A	CNC machining	Prof. Vinay D R
20MEE823A	Industrial Robotics	Dr. Aditi Raj
20MEE824A	Product Design & Development	Dr. Hemanth Raju T
20MEE825A	Tribology	Prof. Chetan Kumar D S

APPROVAL OF SCHEME & SYLLABUS OF FINAL YEAR COURSES

The Board of Studies members reviewed the modified draft of the scheme & syllabus with their recommendations/suggestions being incorporated appropriately.

Finally, the members approved the draft of the same with the modifications for final implementation.

SUBJECT CODE	SUBJECT	% Additions / Deletions in Modules	Proposed Experiential Learning in the Modules	Industrial inputs in the Modules	Percentage change in the syllabus for (AY 2020-2021 to AY 2021-22)
20MEE71A	Mechanical Vibrations	20%	Case studies	Inclusion of case study	20%
20MEE72A	Control Engineering	10%	Case studies	MATLAB Introduction	10%
20MEE73A	Automation Engineering	60%	Industrial Visit	Plant visit	60%
20MEE741A	Operations Research	0%	Case studies	Inclusion of case study	0%
20MEE742A	Production and Operational Management	0%	Case studies	Inclusion of case study	0%
20MEE743A	Research Methodology	0%	Referring Journal Papers	Inclusion of case study	0%
20MEE744A	Organizational Behavior & Professional Ethics	0%	Case studies	Inclusion of case study	0%
20MEE745A	Machine Learning & Artificial Intelligence	0%	Case studies	Inclusion of case study	0%
20MEE751A	Design For Manufacturing & Assembly	0%	Industrial Visit	Plant visit	0%
20MEE752A	Applied Numerical Techniques and Computing	0%	Referring Journal Papers	Inclusion of case study	0%
20MEE753A	Hybrid & Electric Vehicles	New subject introduced	Industrial Visit	Inclusion of case study	NA
20MEE754A	Hydraulics and Pneumatics	0%	Industrial Visit	Inclusion of case study	0%
20MEE755A	Rapid Prototyping	0%	Industrial Visit	Inclusion of case study	0%
20MEE811A	Non-Conventional Manufacturing Technologies	0%	Industrial Visit	Inclusion of case study	0%
20MEE812A	Foundry Technology	0%	Industrial Visit	Inclusion of case study	0%
20MEE813A	Agile Manufacturing	0%	Industrial Visit	Inclusion of case study	0%
20MEE814A	Conventional and Non-Conventional Energy Sources	0%	Industrial Visit	Inclusion of case study	0%
20MEE815A	Total Quality Management	0%	Case studies	Inclusion of case study	0%
20MEE821A	Non Destructive Testing	0%	Industrial Visit	Inclusion of case study	0%
20MEE822A	CNC machining	0%	Industrial Visit	Inclusion of case study	0%
20MEE823A	Industrial Robotics	0%	Industrial Visit	Inclusion of case study	0%
20MEE824A	Product Design & Development	New subject introduced	Industrial Visit	Inclusion of case study	NA
20MEE825A	Tribology	New subject introduced	Case studies	Inclusion of case study	NA

Scheme for the AY:2021-22 for approval from BoS members

Third Semester Scheme (Cycle-A)												
Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	20MEE31A	Applied Mathematics-III	BS	2	1	0	0	3	4	50	50	100
2	20HSS322A	Life Skills for Engineers	HSS	3	0	0	0	3	3	50	50	100
3	20HSS323A	Environmental Science and Awareness	HSS	0	0	0	0	0	2	25	25	50
4	19MEE331	Computer Aided Machine Drawing	MEE	2	0	2	0	4	6	50	50	100
5	19MEE341	Casting, Forging and Joining Technology	MEE	3	0	0	0	3	3	50	50	100
6	19MEE351	Mechanics of Materials	MEE	2	1	0	0	3	4	50	50	100
7	19MEE361	Material Science & Metallurgy	MEE	3	0	0	0	3	3	50	50	100
8	19MEL341	Casting, Forging and Joining Technology Lab	MEE	0	0	2	0	2	4	25	25	50
9	19MEL351	Mechanics of Materials Lab	MEE	0	0	1	0	1	2	25	25	50
10	19MEL361	Material Science & Metallurgy Lab	MEE	0	0	1	0	1	2	25	25	50
11	20DMAT31A*	Basic Applied Mathematics-I	BS	0	0	0	0	0	2	25	25	50
12	19HSS171*	Essential English	HSS	0	0	0	0	0	2	25	25	50
Total								23	35	400	400	800

*Applicable only for lateral entry students

Third Semester Scheme (Cycle-B)												
Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	20MEE31A	Applied Mathematics-III	BS	2	1	0	0	3	4	50	50	100
2	20HSS321A	Economics for Engineers	HSS	2	0	0	0	2	3	25	25	50
3	20HSS324/ 325	Aadalitha Kannada/ Vyavaharika Kannada	HSS	1	0	0	0	1	2	25	25	50
4	19MEE332	Basic Thermodynamics	MEE	2	1	0	0	3	4	50	50	100
5	19MEE342	Machines for Manufacturing Technology	MEE	3	0	0	0	3	3	50	50	100
6	19MEE352	Mechanical Measurements & Metrology	MEE	3	0	0	0	3	3	50	50	100
7	19MEE362	Fluid Mechanics	MEE	2	1	0	0	3	4	50	50	100
8	19MEL342	Machines for Manufacturing Technology Lab	MEE	0	0	1	0	1	2	25	25	50
9	19MEL352	Mechanical Measurements & Metrology Lab	MEE	0	0	1	0	1	2	25	25	50
10	19MEL362	Fluid Mechanics Lab	MEE	0	0	1	0	1	2	25	25	50
11	20DMAT31A*	Basic Applied Mathematics-I	BS	0	0	0	0	0	2	25	25	50
12	19HSS171*	Essential English	HSS	0	0	0	0	0	2	25	25	50
Total								21	29	375	375	750

Fourth Semester Scheme (Cycle-A)												
Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	20MEE41A	Applied Mathematics-IV	BS	2	1	0	0	3	4	50	50	100
2	20HSS422A	Life Skills for Engineers	HSS	3	0	0	0	3	3	50	50	100
3	20HSS423A	Environmental Science and Awareness	HSS	0	0	0	0	0	2	25	25	50
4	19MEE431	Computer Aided Machine Drawing	MEE	2	0	2	0	4	6	50	50	100
5	19MEE441	Casting, Forging and Joining Technology	MEE	3	0	0	0	3	3	50	50	100
6	19MEE451	Mechanics of Materials	MEE	2	1	0	0	3	4	50	50	100
7	19MEE461	Material Science & Metallurgy	MEE	3	0	0	0	3	3	50	50	100
8	19MEL441	Casting, Forging and Joining Technology Lab	MEE	0	0	2	0	2	4	25	25	50
9	19MEL451	Mechanics of Materials Lab	MEE	0	0	1	0	1	2	25	25	50
10	19MEL461	Material Science & Metallurgy Lab	MEE	0	0	1	0	1	2	25	25	50
11	19MEE47	Mini Project-I	MEE	0	0	2	0	2	-	25	25	50
12	20DMAT41A*	Basic Applied Mathematics-II	BS	0	0	0	0	0	2	25	25	50
13	19HSS272*	Constitution of India and Professional Ethics	HSS	0	0	0	0	0	2	25	25	50
Total								25	35	425	425	850

*Applicable only for lateral entry students

Fourth Semester Scheme (Cycle-B)												
Sl. No.	Course Code	Course Name	BOS	Credit Distribution				Overall Credits	Contact Hours	Marks		
				L	T	P	S			CIE	SEE	Total
1	20MEE41A	Applied Mathematics-IV	BS	2	1	0	0	3	4	50	50	100
2	20HSS421A	Economics for Engineers	HSS	2	0	0	0	2	2	25	25	50
3	20HSS424/425	Aadalitha Kannada/ Vyavaharika Kannada	HSS	1	0	0	0	1	2	25	25	50
4	19MEE432	Basic Thermodynamics	MEE	2	1	0	0	3	4	50	50	100
5	19MEE442	Machines for Manufacturing Technology	MEE	3	0	0	0	3	3	50	50	100
6	19MEE452	Mechanical Measurements & Metrology	MEE	3	0	0	0	3	3	50	50	100
7	19MEE462	Fluid Mechanics	MEE	2	1	0	0	3	4	50	50	100
8	19MEL442	Machines for Manufacturing Technology Lab	MEE	0	0	1	0	1	2	25	25	50
9	19MEL452	Mechanical Measurements & Metrology Lab	MEE	0	0	1	0	1	2	25	25	50
10	19MEL462	Fluid Mechanics Lab	MEE	0	0	1	0	1	2	25	25	50
11	19MEE47	Mini Project-I	MEE	0	0	2	0	2	-	25	25	50
12	20DMAT41A*	Basic Applied Mathematics-II	BS	0	0	0	0	0	2	25	25	50
13	19HSS272*	Constitution of India and Professional Ethics	HSS	0	0	0	0	0	2	25	25	50
Total								23	28	400	400	800

Fifth Semester Scheme											
Sl. No.	Course Code	Course Name	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	Total
1	20MEE51	Machine Theory & Mechanism Design	2	1	0	0	3	4	50	50	100
2	20MEE52	Heat Power Cycles	2	1	0	0	3	4	50	50	100
3	20MEE53	Rotor Dynamics	2	1	0	0	3	4	50	50	100
4	20MEE54	Design of Machine Elements-I	3	1	0	0	4	5	50	50	100
5	20MEE55	Project Management & Entrepreneurship	2	0	0	0	2	2	25	25	50
6	20MEE56X	Professional Elective-I	3	0	0	0	3	3	50	50	100
7	20MEL51	Machine Theory & Mechanism Design Lab	0	0	1	0	1	2	25	25	50
8	20MEL52	Heat Power Cycles Lab	0	0	1	0	1	2	25	25	50
9	20MEL53	Rotor Dynamics Lab	0	0	1	0	1	2	25	25	50
10	20MEE57	Mini Project-II	0	0	2	0	2	4	25	25	50
Total							23	32	375	375	750

Professional Elective-I		
Sl. No.	Course Code	Course Name
1	20MEE561	Mechatronics and Microprocessors
2	20MEE562	Composite Materials
3	20MEE563	Refrigeration and Air conditioning
4	20MEE564	Smart Materials
5	20MEE565	Theory of Elasticity
6	20MEE566	IIOT Embedded systems

Sixth Semester Scheme											
Sl. No.	Course Code	Course Name	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	Total
1	20MEE61	Fundamentals of Heat Transfer	2	1	0	0	3	4	50	50	100
2	20MEE62	Finite Element Methods	2	1	0	0	3	4	50	50	100
3	20MEE63	Design of Machine Elements-II	3	1	0	0	4	5	50	50	100
4	20MEE64X	Professional Elective-II	3	0	0	0	3	3	50	50	100
5	20MEE65X	Professional Elective-III	3	0	0	0	3	3	50	50	100
6	20NHOP6XXX	Open Elective-I	3	0	0	0	3	3	50	50	100
7	20MEL61	Fundamentals of Heat Transfer Lab	0	0	1	0	1	2	25	25	50
8	20MEL62	Finite Element Methods Lab	0	0	1	0	1	2	25	25	50
9	20MEE67	Mini Project-III	0	0	2	0	2	4	25	25	50
Total							23	30	375	375	750

Professional Elective-II		
Sl. No.	Course Code	Course Name
1	20MEE641	Fundamentals of Tribology
2	20MEE642	Computer Graphics
3	20MEE643	Fundamentals of Plastic Mold Design and Die Design
4	20MEE644	Emerging Automotive Technologies
5	20MEE645	Advanced Robotics

Professional Elective-III		
Sl. No.	Course Code	Course Name
1	20MEE651	Nanotechnology
2	20MEE652	Fracture Mechanics
3	20MEE653	Product Life Cycle Management
4	20MEE654	Supply Chain Management
5	20MEE655	Computational Fluid Dynamics

Seventh Semester Scheme											
Sl. No.	Course Code	Course Name	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	Total
1	20MEE71A	Mechanical Vibrations	2	1	0	0	3	4	50	50	100
2	20MEE72A	Control Engineering	2	1	0	0	3	4	50	50	100
3	20MEE73A	Automation Engineering	2	1	0	0	3	4	50	50	100
4	20MEE74XA	Professional Elective-IV	3	0	0	0	3	3	50	50	100
5	20MEE75XA	Professional Elective-V	3	0	0	0	3	3	50	50	100
6	20NHOP7XXX	Open Elective-II	3	0	0	0	3	3	50	50	100
7	20MEL71A	Mechanical Vibrations Lab	0	0	1	0	1	2	25	25	50
8	20MEL72A	Simulation Lab	0	0	1	0	1	2	25	25	50
9	20MEL73A	Automation Engineering Lab	0	0	1	0	1	2	25	25	50
10	20MEE76A	Mini Project-IV	0	0	2	0	2	4	25	25	50
Total							23	32	400	400	800

Professional Elective-IV		
Sl. No.	Course Code	Course Name
1	20MEE741A	Operations Research
2	20MEE742A	Production and Operations Management
3	20MEE743A	Research Methodology
4	20MEE744A	Organizational Behavior & Professional Ethics
5	20MEE745A	Machine Learning & Artificial Intelligence

Professional Elective-V		
Sl. No.	Course Code	Course Name
1	20MEE751A	Design For Manufacturing & Assembly
2	20MEE752A	Applied Numerical Techniques And Computing
3	20MEE753A	Hybrid & Electric Vehicles
4	20MEE754A	Hydraulics and Pneumatics
5	20MEE755A	Rapid Prototyping

Eighth Semester Scheme											
Sl. No.	Course Code	Course Name	Credit Distribution				Overall Credits	Contact Hours	Marks		
			L	T	P	S			CIE	SEE	Total
1	20MEE81XA	Professional Elective-VI	3	0	0	0	3	3	50	50	100
2	20MEE82XA	Professional Elective-VII	3	0	0	0	3	3	50	50	100
3	20MEE83A	Internship	0	0	4	0	4	3	50	50	100
4	20MEE84A	Project Work	0	0	10	0	10	20	200	200	400
Total							20	29	350	350	700

Professional Elective-VI		
Sl. No.	Course Code	Course Name
1	20MEE811A	Non-Conventional Manufacturing Technologies
2	20MEE812A	Foundry Technology
3	20MEE813A	Agile Manufacturing
4	20MEE814A	Conventional and Non- Conventional Energy Resources
5	20MEE815A	Total Quality Management

Professional Elective-VII		
Sl. No.	Course Code	Course Name
1	20MEE821A	Non Destructive Testing
2	20MEE822A	CNC Machining
3	20MEE823A	Industrial Robotics
4	20MEE824A	Product Design & Development
5	20MEE825A	Tribology

Course Coordinators list

7 th Semester			
Course Type	Course code	Course Name	Course coordinator
Core	20MEE71A	Mechanical Vibrations	Dr. Srinath M K
Core	20MEE72A	Control Engineering	Prof. Kamalashish Deb
Core	20MEE73A	Automation Engineering	Prof. Puneeth H V
Prof. Elective	20MEE741A	Operations Research	Prof. Shivaprakash S
Prof. Elective	20MEE742A	Production and Operational Management	Prof. Karthik S N
Prof. Elective	20MEE743A	Research Methodology	Dr. Ashok
Prof. Elective	20MEE744A	Organizational Behavior & Professional Ethics	Prof. Santhosh A N
Prof. Elective	20MEE745A	Machine Learning & Artificial Intelligence	Prof. Pawan Kadole
Prof. Elective	20MEE751A	Design For Manufacturing & Assembly	Prof. Raghu Tilak Reddy
Prof. Elective	20MEE752A	Applied Numerical Techniques and Computing	Prof. Kamalashish Deb
Prof. Elective	20MEE753A	Hybrid & Electric Vehicles	Prof. Veerasha G
Prof. Elective	20MEE754A	Hydraulics and Pneumatics	Dr. Bopanna K D
Prof. Elective	20MEE755A	Rapid Prototyping	Prof. Vinod Kumar G S
8 th Semester			
Course Type	Course code	Course Name	Course coordinator
Prof. Elective	20MEE811A	Non-Conventional Manufacturing Technologies	Prof. Rajesh A
Prof. Elective	20MEE812A	Foundry Technology	Prof. Nagabhushana N
Prof. Elective	20MEE813A	Agile Manufacturing	Prof. Sujeeth Swamy
Prof. Elective	20MEE814A	Conventional and Non- Conventional Energy Sources	Prof. Kemparaju C R
Prof. Elective	20MEE815A	Total Quality Management	Prof. Ravikumar M
Prof. Elective	20MEE821A	Non Destructive Testing	Prof. Veerasha G
Prof. Elective	20MEE822A	CNC machining	Prof. Vinay D R
Prof. Elective	20MEE823A	Industrial Robotics	Dr. Aditi Raj
Prof. Elective	20MEE824A	Product Design & Development	Dr. Hemanth Raju T
Prof. Elective	20MEE825A	Tribology	Prof. Chetan Kumar D S

Glimpses of Online BOS Meeting

