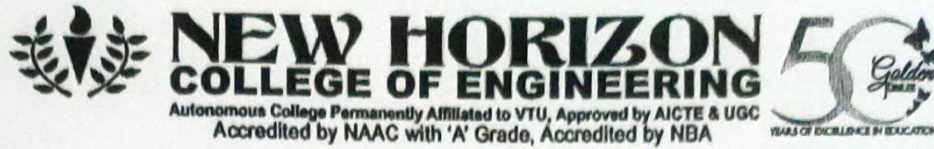


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NEW HORIZON
COLLEGE OF ENGINEERING

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

50
Golden Jubilee
YEARS OF EXCELLENCE IN EDUCATION

Department of Mechanical Engineering

BOS – MINUTES OF MEETING

DATE: 14th July 2021

VENUE: IIoT Lab, Sardhar Vallabhai Patel Block

TIME: 2:00 pm to 5:00 pm

Sean
May 27
27/7/2021

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AGENDA FOR THE MEETING

- 01 Agenda – 1 Discussion on overall credit distribution matrix – 175 credit program.
- 02 Agenda – 2 Discussion on schemes – 175 credit program.
- 03 Agenda – 3 Deliberation of 7th & 8th Sem Scheme & Syllabus -175 Credit Program.
- 04 Agenda – 4 Discussion on introducing programming languages in the curriculum.

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LIST OF BOS MEMBERS

Sl. No.	Category	Nomination of the committee	Name of the person	Affiliated To
1	Head of the Department	Chair Person	Dr. Shridhar Kurse	NHCE, Bangalore
2	Faculty members	Member	Dr. Gopala Krishnan	Dean R&D, NHCE, Bangalore
		Member	Dr. Amarjeet Singh	Dean Academics, NHCE, Bangalore
		Member	Dr. Ashok Kumar	NHCE, Bangalore
		Member	Dr. Srinath M K	NHCE, Bangalore
		Member	Prof. Puneeth. H.V	NHCE, Bangalore
		BoS Coordinator	Prof. Santhosh A N	NHCE, Bangalore
3	Subject expert from outside the college nominated by Academic Council	External Member	Dr. Rangavittala H K	Professor, BMSCE, Bangalore
4	Experts from outside the college nominated by Vice Chancellor	VTU Nominee	Dr. Shanmukha Nagaraj	Professor, RVCE, Bangalore
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.
6	Graduates / Post Graduates meritorious alumni nominated by Principal	Member	Mr. Manjunath B	Design Engineer – Autoliv Bangalore
7	Co-opted members	Member	Prof. Gangadhar Immadi	Dept. of ISE, NHCE, Bangalore
		Member	Prof. Bopanna K D	Placement Co-ordinator, NHCE, Bangalore
		Member	Mr. Binod Kumar	Placement Officer, NHCE, Bangalore

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**New Horizon College of Engineering
Department of Mechanical Engineering**

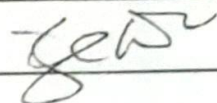
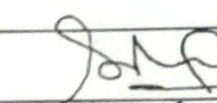

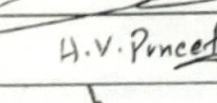
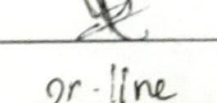
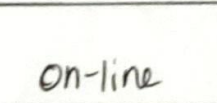
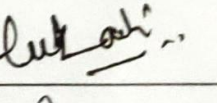
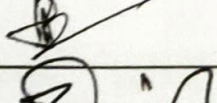
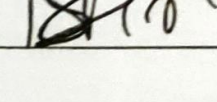
BOARD OF STUDIES - 2021

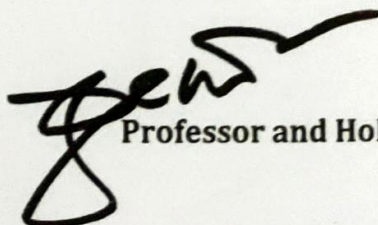
Date : 14-07-2021

Venue: IIoT Lab

Time:2:00pm

Branch : Mechanical Engineering

Sl. No	Name of the Person	Designation	Signature
1	Dr. Shridhar Kurse	Professor & HoD - ME	
2	Dr. Gopala Krishnan	Dean R & D	
3	Dr. Amarjeet Singh	Dean Academics	
4	Dr. Ashok Kumar	Associate Professor	
5	Dr. Srinath M K	Associate Professor	
6	Prof. Puneeth. H.V	Assistant Professor	H.V. Puneeth.
7	Prof. Santhosh A N	Assistant Professor	
8	Dr. Rangavittala H K	Professor, BMSCE, Bangalore	on-line
9	Dr. Shanmukha Nagaraj	Professor , RVCE, Bangalore	on-line
10	Mr. Vaibhav Vijay	Product Manager - DAIMLER India Pvt Ltd	on-line
11	Mr. Manjunath B	Design Engineer - Autoliv Bangalore	online
12	Prof. Gangadhar Immadi	Dept. of ISE, NHCE, Bangalor	
13	Prof. Bopanna K D	Placement Co-ordinator NHCE, Bangalore	
14	Mr. Binod Kumar	Placement Officer, NHCE, Bangalore	


Professor and HoD - ME

WELCOME ADDRESS BY THE CHAIRMAN OF BOS

Minutes

(Online Platform: Google Meet)

The BOS meeting of the department of Mechanical Engineering started at 2:00 PM at the department with the welcome address by HoD of Mechanical Engineering / Chairman –BOS. He briefed about the department and introduced the BOS members and faculty members of the department.

- 1) Dr. Rangavittala H K , Professor, BMSCE, Bangalore
- 2) Dr. Shanmukha Nagaraj, Professor, RVCE, Bangalore
- 3) Dr. Amarjeet Singh, Dean Academics, NHCE, Bangalore
- 4) Mr. Vaibhav Vijay, Product Manager – DAIMLER India Pvt Ltd.
- 5) Mr. Manjunath B, Design Engineer – Autoliv Bangalore
- 6) Mr. Binod Kumar, Placement Officer, NHCE, Bangalore
- 7) Prof. Gangadhar Immadi, Dept. of ISE, NHCE, Bangalore

Chairman –BOS briefed about the Agenda of the meeting

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.

Chairman introduced all the BOS members. & briefed about the Agenda for the BOS meeting.

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.

members were briefed about the scheme from (1st-8th sem). credit distribution matrix was also discussed.

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

Discussion on Syllabus of 7st 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.

Suggestions/recommendations are attached herewith.

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.

computer language (Python/R/C++) will be introduced as an elective in the curriculum; this was unanimously agreed.

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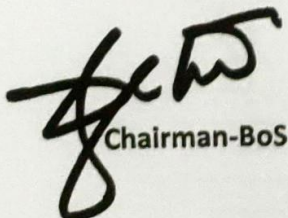
SUGGESTIONS & RECOMMENDATIONS FROM BOS MEMBERS

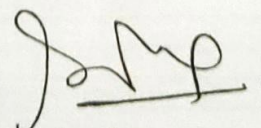
- 1) Project Phase-1 is introduced in 7th semester with 2 credits and Phase-2 in 8th semester with 10 credits. If a student is ABSENT for phase-1, will he eligible to take up Phase-2? What is the solution for such cases?
- 2) Suggested to have a full fledged internship of 8 to 12 weeks any time between 3rd and 8th semester and only during the semester gap.
- 3) MOOC can also be considered as an internship.
- 4) 21MEE71, 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) 21MEE72, Introduce MATLAB simple program in the content.
- 6) 21MEE73, Duplication of verbs in CO statements can be avoided turning program in CO2.
- 7) 21MEE741, Each module should be mapped with 1 or 2 COs.
- 8) 21MEE742, Need to change the flow of sentence in CO3.
- 9) 21MEE743, There is NO level-2 in CO-PO mapping.
- 10) 21MEE753, Some software reliability & quality content can be included.
- 11) 21MEE811, Each module should be mapped with 1 or 2 COs.
- 12) 21MEE812, Each module should be mapped with 1 or 2 COs.
- 13) 21MEE813, Give case studied about this domain. Take concern from industry experts while framing the syllabus for this kind of courses.
- 14) 21MEE814, Arrange industrial tours for better understanding the courses of this kind.
- 15) 21MEE815, Contents are similar to 21MEE814.
- 16) 21MEE821, Each module should be mapped with 1 or 2 COs.
- 17) 21MEE823, Some contents are overlapping with 21MEE73.
- 18) 21MEE823, Need to discuss about advanced robotics.
- 19) Any of the languages can be introduced particularly at 2nd and 3rd year level. Python is the best option.
- 20) Instrumentation and control course should be in 3rd sem as per AICTE model curriculum.
- 21) Electrical vehicle design & Hybrid vehicle design courses can be introduced.

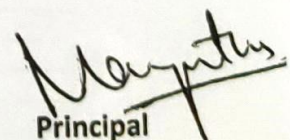
VOTE OF THANKS BY THE CHAIRMAN OF BOS

The Chairman – BoS Dr. Shridhar Kurse thanked all the members of the BoS and the staff members for attended the meeting and for their valuable suggestions and recommendations.

The meeting concluded at 5:00 pm


Chairman-BoS


Dean Academics


Principal

Annexure-1
Scheme of 7th and 8th Semester (Draft Copy)

Seventh Semester Scheme										
Sl. No.	Course Code	Course Name	Credit Distribution			Overall Credits	Contact Hours	Marks		
			L	T	P			CIE	SEE	Total
1	21MEE71	Mechanical Vibrations	2	1	0	3	4	50	50	100
2	21MEE72	Control Engineering	2	1	0	3	4	50	50	100
3	21MEE73	Automation Engineering	2	1	0	3	4	50	50	100
4	21MEE74X	Professional Elective-PE4	3	0	0	3	3	50	50	100
5	21MEE75X	Professional Elective-PE5	3	0	0	3	3	50	50	100
6	NHOP21	Open Elective-OE2**	3	0	0	3	3	50	50	100
7	21MEL71	Mechanical Vibrations Lab	0	0	1	1	2	25	25	50
8	21MEL72	Simulation Lab	0	0	1	1	2	25	25	50
9	21MEL73	Automation Engineering	0	0	1	1	2	25	25	50
10	21MEE76	Main Project- Phase-I	0	0	2	2	3	25	25	50
Total						23	29	400	400	800

** OPEN ELECTIVE SYLLABUS IS AVILABLE IN SEPARATE BOOK

Professional Elective-PE4		
Sl.	Course	Course Name
1	21MEE741	Operation Research
2	21MEE742	Production and Operational Management
3	21MEE743	Research Methodology
4	21MEE744	Organizational Behavior & Professional Ethics
5	21MEE745	Machine Learning & Artificial Intelligence

Professional Elective-PE5		
Sl.	Course	Course Name
1	21MEE751	Design For Manufacturing & Assembly
2	21MEE752	Applied Numerical Techniques And Computing
3	21MEE753	Total Quality Management
4	21MEE754	Hydraulics and Pneumatics
5	21MEE755	Rapid Prototyping

Eighth Semester Scheme										
Sl. No.	Course Code	Course Name	Credit Distribution			Overall Credits	Contact Hours	Marks		
			L	T	P			CIE	SEE	Total
1	21MEE81X	Professional Elective-PE6	3	0	0	3	3	50	50	100
2	21MEE82X	Professional Elective-PE7	3	0	0	3	3	50	50	100
3	21MEE82	Internship	0	0	4	4	3	50	50	100
4	21MEE83	Main Project- Phase-II	0	0	10	10	3	200	200	400
Total						20	12	350	350	700

Professional Elective-PE6		
Sl.	Course	Course Name
1	21MEE811	Non-Conventional Manufacturing Technologies
2	21MEE812	Foundry Technology
3	21MEE813	Agile Manufacturing
4	21MEE814	Conventional and Non- Conventional Energy Resources
5	21MEE815	Sustainable Energy Sources

Professional Elective-PE7		
Sl.	Course	Course Name
1	21MEE821	Surface NDE Methods
2	21MEE822	CNC machining
3	21MEE823	Industrial Robotics
4	21MEE824	Optimization techniques

Annexure-2

Course Coordinators list

7 th Semester			
Course Type	Course code	Course Name	Assigned Course coordinator
Core	2MEE71	Mechanical Vibrations	Dr. Srinath M K
Core	21MEE72	Control Engineering	Prof. Kamalashish Deb
Core	21MEE73	Automation Engineering	Prof. Puneeth H V
Prof. Elective	21MEE741	Operation Research	Prof. Shivaprakash S
Prof. Elective	21MEE742	Production and Operational Management	Prof. Karthik S N
Prof. Elective	21MEE743	Research Methodology	Dr. Ashok
Prof. Elective	21MEE744	Organizational Behavior & Professional Ethics	Prof. Santhosh A N
Prof. Elective	21MEE745	Machine Learning & Artificial Intelligence	Prof. Pawan Kadole
Prof. Elective	21MEE751	Design For Manufacturing & Assembly	Prof. Raghu Tilak Reddy
Prof. Elective	21MEE752	Applied Numerical Techniques and Computing	Prof. Kamalashish Deb
Prof. Elective	21MEE753	Total Quality Management	Prof. Veerasha G
Prof. Elective	21MEE754	Hydraulics and Pneumatics	Dr. Bopanna K D
Prof. Elective	21MEE755	Rapid Prototyping	Prof. Vinod Kumar G S
8 th Semester			
Course Type	Course code	Course Name	Assigned Course coordinator
Prof. Elective	21MEE811	Non-Conventional Manufacturing Technologies	Prof. Rajesh A
Prof. Elective	21MEE812	Foundry Technology	Prof. Nagabhushana N
Prof. Elective	21MEE813	Agile Manufacturing	Prof. Sujeeth Swamy
Prof. Elective	21MEE814	Conventional and Non- Conventional Energy Sources	Prof. Kemparaju C R
Prof. Elective	21MEE815	Sustainable Energy Sources	Prof. Ravikumar M
Prof. Elective	21MEE821	Surface NDE Methods	Prof. Veerasha G
Prof. Elective	21MEE822	CNC machining	Prof. Vinay D R
Prof. Elective	21MEE823	Industrial Robotics	Dr. Aditi Raj
Prof. Elective	21MEE824	Optimization Techniques	Dr. Hemanth Raju T

Annexure-3

Glimpses of Online BOS Meeting

