

DEPARTMENT OF MECHANICAL ENGINEERING

MINUTES OF THE MEETING OF FOURTH BOARD OF STUDIES MEETING HELD ON 19.03.2022 AT 3.00 PM IN ONLINE TOWARDS CONSIDERING THE PROPOSED R2020 UG PROGRAMME, B.E. – MECH CURRICULUM & SYLLABI (V SEMESTER & VI SEMESTER), B.E. – MECH CURRICULUM (VII SEMESTER & VIII SEMESTER), R2021 UG PROGRAMME, B.E. – MECH CURRICULUM & SYLLABI (II SEMESTER, III SEMESTER & IV SEMESTER), INFORMATION ABOUT THE PONTS DISCUSSED IN AC MEETING, ONLINE COURSES, VALUE ADDED COURSES/ SKILL DEVELOPMENT COURSES.

Platform: MS Teams

Meeting Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_MmJkYWFiNDMtMmUxZC00YWIyLWIzMGMtMzQ2M2E5MTUwYTZI%40thread.v2/0?context=%7b%22Tid%22%3a%222666d919-f1fc-4027-b9c5-212d4e95e68a%22%2c%22Oid%22%3a%22c3c71ed9-9427-44b4-912e-09a217d77d0d%22%7d

Dr.S.S.Saravanakumar, HOD (Department of Mechanical Engineering) welcomed all the members of the Board of Studies and faculty members of Department of Mechanical Engineering to the 4th BOS meeting. The following members were present.

S.No	Name of the Expert	Designation	Capacity
1.	Dr. A. Valan Arasu, Ph.D.,	Professor/ Mechanical Engineering, Thiagarajar College of Engineering, Madurai	Anna University Nominee
2.	Dr. S.C. Vettivel, Ph.D.,	Associate Professor/Mechanical Engineering, Chandigarh College of Engineering and Technology, Chandigarh	Academic Council Nominee
3.	Dr. V. Anandkrishnan, Ph.D.,	Associate Professor/Production Engineering National Institute of Technology, Tiruchirappalli – 620015.	Academic Council Nominee

4.	Er. K. Rajarathinam B.E.,	Proprietor Essar Engineers, Coimbatore	Industrialist Nominee
5.	Er. R. Mayakannan M.Tech.,	CAE Engineer Renault Nissan Technology and Business Centre, Chennai	Alumni Nominee

Internal Members of BoS – Mechanical Engineering Department

S.No	Name of the Faculty	Designation	
1.	Dr. S. S. Saravanakumar	Head / Mech Chairmen of BoS	<i>Amr</i>
2.	Dr. S. Senthil	Professor/ Principal In-charge	<i>Senthil</i>
3.	Dr. P. Narayanasamy	Assistant Professor / MECH	<i>P. Nal</i>
4.	Dr. S. Thanga Kasi Rajan	Assistant Professor / MECH UG Programme Coordinator	<i>S. Thanga Kasi Rajan</i>
5.	Dr. B. Prabhu	Assistant Professor / MECH	<i>Dr. B. Prabhu</i>
6.	Dr. M. Prithiviraj	Assistant Professor / MECH	<i>Dr. M. Prithiviraj</i>
7.	Mr. T. Ramesh	Assistant Professor / MECH	<i>T. Ramesh</i>
8.	Mr. S. Chidambara Kumaran	Assistant Professor / MECH	<i>S. Chidambara Kumaran</i>
9.	Mr. D. Palani Kumar	Assistant Professor / MECH	<i>D. Palani Kumar</i>
10.	Dr. B. Balavairavan	Assistant Professor / MECH	<i>Dr. B. Balavairavan</i>
11.	Mr. N. R. Madhan	Assistant Professor / MECH	<i>N. R. Madhan</i>
12.	Mr. R. SakthivelMurugan	Assistant Professor / MECH PG Programme Coordinator	<i>R. SakthivelMurugan</i>
13.	Mr. B. K. Parrthipan	Assistant Professor / MECH	<i>B. K. Parrthipan</i>
14.	Mr. S. Devaraj	Assistant Professor / MECH	<i>S. Devaraj</i>
15.	Mr. T. Suresh	Assistant Professor / MECH	<i>T. Suresh</i>
16.	Mr. A.Sankara Narayana Murthy	Assistant Professor / MECH	<i>A. Sankara Narayana Murthy</i>
17.	Mr.P.SenthamaraiKannan	Assistant Professor / MECH	<i>P. SenthamaraiKannan</i>
18.	Mr. K. Muruganathan	Assistant Professor / MECH	<i>K. Muruganathan</i>
19.	Mr. S. Muthu Natarajan	Assistant Professor / MECH	<i>S. Muthu Natarajan</i>

THE MINUTES:

THE MEETING IS CALLED FOR CONSIDERING THE R2020 UG PROGRAMME, B.E. – MECH CURRICULUM & SYLLABI (V SEMESTER & VI SEMESTER), B.E. – MECH CURRICULUM (VII SEMESTER & VIII SEMESTER), R2021 UG PROGRAMME, B.E. – MECH CURRICULUM & SYLLABI (II SEMESTER, III SEMESTER & IV SEMESTER)

DISCUSSIONS:

BOS 004.01

HOD/Mech recorded his appreciation to the external experts for their suggestions and valuable inputs in framing the curriculum and syllabi of B.E. Mechanical Engineering Programme of Kamaraj College of Engineering and Technology. He has given warm welcome to all experts, faculty members, industrialist and alumni of KCET.

BOS 004.02

Dr. S. Thanga Kasi Rajan has given brief presentation for the approval of 3rd BOS minutes held on November 13, 2021 and action taken report

- Dr.S.Thanga Kasi Rajan gave a brief presentation about the action taken on the 3rd BoS meeting.
- All the recommendations are incorporated in the curriculum & syllabus of III year (R2020).
- All the suggestions are meticulously worked out and the open elective syllabus of III-year R2020 are reframed and now it is submitted for approval.
- The guidelines for framing the NPTEL courses and the proposed grading system for NPTEL from Exam cell were discussed in detail. The course list was also modified and basic courses are also selected as per the recommendations by the members.
- The members of the BoS resolved and approved the same.

BOS 004.03

Dr. S. Thanga Kasi Rajan presented the Information about the points discussed in the 4th AC meeting and its recommendations:

- The highlights of the new regulation KCET R2021 is presented to the BoS members.
- The credits were fixed in all categories and the student has to earn 180 credits for the award of degree. The student can earn credits through value added courses / Internship under Employability Enhancement Course (EM) category however the total credits shall not exceed 27, above which credits earned are marked as Over and Above credits.
- Similar to the new amendment of AU R 2017, In R2021, the students are given to carry forward their secured internal mark for one arrear attempt only. From second arrear attempt onwards, their internal marks are nullified and the student should get pass by securing 50 % from the end semester examination.
- The internal marks of the students will be calculated as per the continuous assessment pattern policy framed by the institute.
- Absolute grading system will be followed in regulation R2021.

BOS 004.04

Dr. S. Thanga Kasi Rajan presented the R2020 UG III year Curriculum & Syllabi of B.E – Mechanical Engineering programme.

SEMESTER V

S.No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1	ME1501	Applied Hydraulics and Pneumatics	PC	3	3	0	0	3
2		Artificial Intelligence in Manufacturing	PC	3	3	0	0	3
3	ME1503	Design of Machine Elements	PC	3	3	0	0	3
4	ME1504	Dynamics of Machinery (Theory Integrated with Laboratory)	PC	4	2	0	2	3

5	ME1505	Hybrid and Electric Vehicles	PC	3	3	0	0	3	
6	ME1506	Metrology and Measurement Techniques (Theory Integrated with Laboratory)	PC	5	3	0	2	4	
7		Open Elective-I	OE	3	3	0	0	3	
		Audit Course-II*	AU	3	3	0	0	0	
		Online Course **			-	-	-	3	
PRACTICAL									
8	ME1511	CAD Laboratory	PC	4	0	0	4	2	
				Total	33	21	0	12	24

Semester VI

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C	
THEORY									
1	ME1601	Computer Integrated Manufacturing	PC	3	3	0	0	3	
2	ME1602	Design of Transmission Systems	PC	3	3	0	0	3	
3	ME1603	Heat and Mass Transfer	PC	3	3	0	0	3	
4		Professional Elective – I	PE	3	3	0	0	3	
5		Professional Elective – II	PE	3	3	0	0	3	
6		Online course (12 Week course)			-	-	-	3	
PRACTICAL									
7	ME1611	Simulation and Analysis Laboratory	PC	4	0	0	4	2	
8	ME1612	Thermal Engineering Laboratory	PC	4	0	0	4	2	
9	ME1621	Design and Fabrication Project	EEC	4	0	0	4	2	
				Total	27	15	0	12	24

Professional Elective I (Semester VI)

Sl. No.	Course Code	Course Title	Credits			
			L	T	P	C
1	ME1631	Finite Element Analysis	3	0	0	3
2	ME1632	Gas Dynamics and Jet Propulsion	3	0	0	3
3	ME1633	Mechanical Vibrations and Noise Control	3	0	0	3
4	ME1671	Operations Research	3	0	0	3
5	ME1635	Refrigeration and Air Conditioning	3	0	0	3

Professional Elective II (Semester VI)

S.No.	Course Code	Course Title	Credits			
			L	T	P	C
1	ME1641	Additive Manufacturing	3	0	0	3
2	ME1642	Computer Aided Design	3	0	0	3
3	ME1643	Energy Conservation and Auditing	3	0	0	3
4	ME1644	Non Destructive Testing and Evaluation	3	0	0	3
5	ME1645	Renewable Sources of Energy	3	0	0	3

Open Elective I (Semester V) – Offered to other Departments

S.No.	Course Code	Course Title	Credits			
			L	T	P	C
1		Fundamentals of Manufacturing Process	3	0	0	3
2		World Class Manufacturing	3	0	0	3
3		Non Conventional Energy Sources	3	0	0	3
4		Refrigeration and Power Generation in Mechanical Engineering	3	0	0	3

- Dr.V.Anandakrishnan proposed adding one more professional elective course to the list, as well as rearranging the professional electives into pools such as thermal, design, and manufacturing. Following discussion with the BoS chairman, it was decided that professional elective I and II would be offered as Design, Manufacturing and Thermal stream. The student can choose any two subjects from the respective stream.

Dr.S.Thanga Kasi Rajan/ Domain Expert of Manufacturing Stream presented the following subjects:

- Applied Hydraulics and Pneumatics
- Artificial Intelligence in Manufacturing
- Metrology and Measurement Techniques
- Computer Integrated Manufacturing
- Operations Research
- Additive Manufacturing
- Non Destructive Testing and Evaluation
- Fundamentals of Manufacturing Process
- Refrigeration and Power Generation in Mechanical Engineering

Suggestions given by BoS expert members for Manufacturing stream subjects:

- Dr.V.Anandakrishnan modified the experiment name as Measurement of surface roughness using Surface roughness tester instead of that Measurement of surface roughness using talysurf instrument for the subject Metrology and Measurement Techniques.
- Dr.V.Anandakrishnan insisted to include the Robots in Automation topic(Unit V) in Computer Integrated Manufacturing subject.
- Dr.A.Valan Arasu insisted to change the action verb in first course outcome for Operations Research subject.
- Dr. S.C. Vettivel suggested to include Introduction to decision models in unit V along with network models
- Dr.A.Anandakrishnan suggested to change action verbs of course outcomes for the subject Non Destructive Testing.
- Dr.A.Valan Arasu suggested to modify the subject title as Thermal Engineering instead of that Refrigeration and Power generation in Mechanical Engineering.

Dr.B.Balavairavan/ Domain Expert of Design Stream presented the following subjects:

- Design of Machine Elements
- Dynamics of Machinery
- CAD Laboratory
- Design of Transmission Systems
- Simulation and Analysis Laboratory
- Finite Element Analysis
- Mechanical Vibrations and Noise Control
- Computer Aided Design

Suggestions given by BoS expert members for Design stream subjects:

- Dr.A.Anandkrishnan suggested not to remove any topics in existing syllabus of Design of Machine Elements especially crankshafts, bonded joints. Instead he recommended to provide the topic as introductory level.
- Dr.A.Valan Arasu suggested to change the unit V title as Design of Electrical motors, instead of that Selection of Electrical Motors for the subject Design of Transmission Systems.
- Dr.A.Vettivel enquired about course outcomes for the subject Dynamics of Machines.
- Dr.V.Anandkrishnan insisted to provide the topic as Governors, Types and Characteristics of the governor in Unit 3 for the subject Dynamics of Machines.
- Dr.V.Anandkrishnan insisted to modify the experiment titles for serial no's 9 and 10 for the subject Computer Aided Design lab.
- Dr.V.Anandkrishnan suggested to change action verbs of Course outcomes 1 and 4 for the subject Simulation lab.
- Dr.A.Valan Arasu suggested to include the latest edition text book for the subject Finite Element Analysis.
- Dr.V.Anandkrishnan suggested to modify the topic as introduction to cloud based CAD for the subject Computer Aided Design.

Dr.B.Prabhu/ Domain Expert of Thermal Stream presented the following subjects:

- Hybrid and Electric Vehicles
- Heat and Mass Transfer
- Gas Dynamics and Jet Propulsion

- Refrigeration and Air Conditioning
- Energy Conservation and Auditing
- Renewable Sources of Energy
- Thermal Engineering Laboratory
- Non-Conventional Energy Sources
- World Class Manufacturing

Suggestions given by BoS expert members for Thermal stream subjects:

- Dr.A.Valan Arasu raised the query on credit details for the subject Hybrid and Electric Vehicle. It was resolved by Dr.S.Thanga Kasi Rajan.
- Dr.A.Valan Arasu insisted to modify the Standard HMT data book as Approved HMT data book for the subject Heat and Mass Transfer.
- Dr.A.Valan Arasu asked to check whether lab be completed within allotted hours or not for the subject Thermal Engineering Laboratory.
- Dr.A.Valan Arasu insisted to modify the Standard Gas tables as Approved Gas tables for the subject Gas Dynamics and Jet Propulsion.
- Dr.A.Valan Arasu suggested to change action verbs of Course outcomes 2 and 4 for the subject Refrigeration and Air Conditioning.
- Dr.A.Valan Arasu suggested to modify the Course outcome 3 for the subject Non-Conventional Energy Sources. In unit II some of the major concepts to be included.

BOS 004.05

Dr. S. Thanga Kasi Rajan presented the R2020 UG IV year Curriculum of B.E – Mechanical Engineering programme.

VII Semester

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1	ME1701	Principles of Industrial Engineering	PC	3	3	0	0	3
2	ME1702	Robotics	PC	3	3	0	0	3
3		Open Elective -II	PC	3	3	0	0	3
4		Professional Elective –III	PE	3	3	0	0	3

5		Professional Elective –IV	PE	3	3	0	0	3
6		Professional Elective - V	PE	3	3	0	0	3
		Online Course (12 week course)		0	0	0	0	3*
PRACTICAL								
7		Automation & IOT Laboratory	EEC	4	0	0	4	2
8		Technical Seminar	PC	2	0	0	2	1
Total				24	18	0	6	24

VIII Semester

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
PRACTICAL								
1		Project Work	EEC	16	16	0	0	10
2		Online course – 2*						
Total				16	16	0	0	10

Professional Elective III (Semester VII)

S.No.	Course Code	Course Title	Credits			
			L	T	P	C
1	ME1731	Design of Heat Exchangers	3	0	0	3
2	ME1732	Concepts of Engineering Design	3	0	0	3
3	ME1733	Solar Energy Technology	3	0	0	3
4	ME1734	Mechatronics	3	0	0	3
5	ME1735	Precision Manufacturing	3	0	0	3

Professional Elective IV (Semester VII)

S.No.	Course Code	Course Title	Credits			
			L	T	P	C
1	ME1736	Advanced Manufacturing Process	3	0	0	3
2	ME1737	Composite Materials	3	0	0	3

3	ME1738	Power Plant Engineering	3	0	0	3
4	ME1739	Process Planning and Cost Estimation	3	0	0	3
5	ME1740	Alternative Fuels and Energy Systems	3	0	0	3

Professional Elective V (Semester VII)

S.No.	Course Code	Course Title	Credits			
			L	T	P	C
1	ME1741	Entrepreneur Development	3	0	0	3
2	ME1742	Lean Manufacturing	3	0	0	3
3	ME1743	Maintenance Engineering	3	0	0	3
4	ME1744	Production Planning and Control	3	0	0	3
5	ME1745	Total Quality Management	3	0	0	3

- The members of the BoS approved and asked to prepare detailed syllabus for the Final year courses.

BOS 003.06

Dr. S. Thanga Kasi Rajan presented the R2021 UG I year (II Semester Curriculum & Syllabi), II year (III Semester & IV Semester Curriculum and Syllabi) of B.E – Mechanical Engineering programme.

R2021 UG I year (II Semester)

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1	SH2151	Communicative English	HS	3	3	0	0	3
2	MA2151	Vector Calculus and Laplace Transforms	BS	4	3	1	0	4
3	PH2151	Renewable Energy Sources	BS	3	3	0	0	3
4	GE2152	Environmental Science and Engineering	BS	3	3	0	0	3

5	GE2151	Engineering Graphics	ES	5	2	0	3	4
6	EM2151	Coding Techniques -II	EM	3	3	0	0	3
PRACTICAL								
7	GE2153	Engineering Practices Laboratory	ES	4	0	0	4	2
8	CY2152	Chemistry Laboratory	BS	3	0	0	3	1
9	EM2152	Coding Techniques –II Laboratory	EM	3	0	0	3	1
Total				31	17	1	13	24

R2021 UG II year (III Semester)

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1		Design Thinking	ES	3	3	0	0	3
2		Engineering Mechanics	ES	3	3	0	0	3
3		Engineering Thermodynamics	PC	3	3	0	0	3
4		Electrical Drives and Control	ES	3	3	0	0	3
5		Fluid Mechanics and Machinery	ES	3	3	0	0	3
6		Manufacturing Technology -I	PC	3	3	0	0	3
7		Audit Course*	AU	3	3	0	0	0
PRACTICAL								
7		Interpersonal skills / Listening & Speaking	EM	2	0	0	2	1
8		Computer Aided Machine Drawing	PC	4	0	0	4	2
9		Electrical Engineering Laboratory	ES	4	0	0	4	2
Total				31	21	0	10	23

R2021 UG II year (IV Semester)

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1		Probability, Statistics and Numerical methods	BS	4	3	1	0	4
2		Engineering Materials and Metallurgy	PC	3	3	0	0	3
3		Kinematics of Machinery	PC	3	3	0	0	3
4		Manufacturing Technology –II	PC	3	3	0	0	3
5		Strength of Materials	ES	3	3	0	0	3
6		Thermal Engineering	PC	3	3	0	0	3
PRACTICAL								
7		Manufacturing Technology Lab	PC	4	0	0	4	2
8		IC Engines and Steam Laboratory	PC	4	0	0	4	2
9		Strength of Materials and Fluid Mechanics Laboratory	ES	3	0	0	2	1
10		Advanced Reading and Writing	EM	2	0	0	2	1
Total				32	18	1	12	25

Dr.S.Thanga Kasi Rajan presented the following subjects for R2021 I year (II Semester)

- Engineering Graphics
- Engineering Practices Laboratory
 - Informed that the content of the Engineering Graphics and Engineering Practices laboratory syllabus has not changed and is similar to that of the R2020 II semester. However, the credits for Engineering Graphics have been changed to 2 hours of theory and 3 hours of practical, for a total of 4 credits.
 - The members of BoS has given consent to follow the same in R2021 as it is reviewed and implemented recently.

Dr. S. Thanga Kasi Rajan presented the II year subjects of R2021 (III & IV Semester)

- Informed that Engineering Mechanics, which was previously in the second semester of R2020, has been changed to the third semester of R2021.
- Informed that Probability, Statistics and Numerical methods, which was previously in the third semester of R2021, has been changed to the fourth semester of R2021. This subject has a total of four credits.
- The course Design Thinking, which was previously in the Audit course, has been transferred to the third semester of R2021. This course is in the category of Basic Science and Engineering.
- Since the students did not study the programme specific physics paper Engineering Materials in the II semester, the Engineering Materials and Metallurgy course was added as a professional core paper in the IV semester.
- Informed that the content of all subjects in the R2021 II year has not modified and is similar to the R2020 II year.

Dr.M.Prithiviraj presented the following subjects for R2021 II year Mech – III Semester

- Design Thinking
- IC Engines and Steam Laboratory

Dr.S.Thanga Kasi Rajan/ Domain Expert of Manufacturing Stream presented the following subjects for R2021 II year Mech – IV Semester

- Engineering Materials and Metallurgy

After all discussions, the members of BoS has given consent to follow the same in R2021 as it is reviewed and implemented recently.

BOS 004.07

Dr. S. Thanga Kasi Rajan presented the R2021 UG III year & IV year Curriculum of B.E – Mechanical Engineering programme.

Semester V

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1		Applied Hydraulics and Pneumatics	PC	3	3	0	0	3
2		Artificial Intelligence for Mechanical Engineers	PC	3	3	0	0	3
3		Design of Machine Elements	PC	3	3	0	0	3
4		Dynamics of Machinery*	PC	4	2	0	2	3
5		Hybrid and Electric Vehicles	PC	3	3	0	0	3
6		Metrology and Measurement Techniques *	PC	5	3	0	2	4
		Open Elective -I	OE	3	3	0	0	3
		Skill Development Programme	EM	2	0	0	2	2
		Audit course	AU	3	3	0	0	0
PRACTICAL								
7	ME1511	CAD Laboratory	PC	4	0	0	4	2
Total				33	23	0	10	26

Semester VI

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1		Computer Integrated Manufacturing	PC	3	3	0	0	3
2		Design of Transmission Systems	PC	3	3	0	0	3
3		Heat and Mass transfer	PC	3	3	0	0	3
4		Professional Elective –I *	PE	3	3	0	0	3
5		Professional Elective –II*	PE	3	3	0	0	3
6		Open Elective - II	OE	3	3	0	0	3
		Online Course (12 week course)		0	0	0	0	3*

PRACTICAL								
7	ME1621	Design and Fabrication Project	EM	4	0	0	4	2
8	ME1611	Simulation and Analysis Lab	PC	4	0	0	4	2
9	ME1612	Heat Transfer Laboratory	PC	4	0	0	4	2
Total				30	18	0	12	30

Semester VII

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
THEORY								
1		Open Elective – III	OE	3	3	0	0	3
2		Professional Elective –III	PE	3	3	0	0	3
3		Professional Elective –IV	PE	3	3	0	0	3
4		Professional Elective –V	PE	3	3	0	0	3
5		Professional Elective –VI	PE	3	3	0	0	3
6		Skill Development Course	EM	3	3	0	0	3
		Online Course	OL	0	0	0	0	3
PRACTICAL								
7		Automation & IOT Lab	PC	4	0	0	4	2
8		Technical Seminar	EM	2	0	0	2	1
Total				24	18	0	6	24

Semester VIII

Sl. No.	Course Code	Course Title	Category	Contact Periods	L	T	P	C
PRACTICAL								
1		Project work	EM	16	0	0	16	10
2		Online course						
Total				16	0	0	16	10

- The members of the BoS has agreed and proceed the same

BOS 004.08

Dr. S. Thanga Kasi Rajan presented the list of online courses. The following discussions were made.

- Dr. S. Thanga Kasi Rajan clearly explained about NPTEL grading/evaluation procedures to BoS members.
- Dr.V.Anandkrishnan suggested to allot the faculty mentor for each NPTEL online course for the benefit of students to clear that exams.
- The members also suggested the three member committee of online courses to offer the list of online courses directly to the students. However, effort should be made to ensure that the syllabus content differs by at least 60% to 70% from that of their regular curriculum.

BOS 004.09

Dr. S. Thanga Kasi Rajan presented the list of value-added courses. The following discussions were made.

S.No.	Course Title	Total hours	Credits
1.	Programming on Computer Numerical Control		2
2.	Advanced Pro-E		2
3.	Machine Learning		2
4.	Block chain		2
5	Heating, Ventilation and Air Conditioning		2

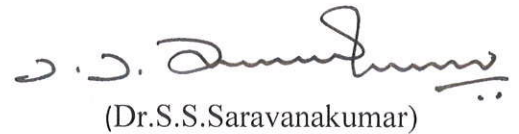
The members of BoS recommend and proceed the same.

BOS 004.10

The meeting ended with the Vote of Thanks by Dr. S.Thanga Kasi Rajan, Assistant Professor, Department of Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.


BOS coordinator


UG coordinator


(Dr.S.S.Saravanakumar)

BoS Chairman

HOD/MECH