



R.M.K. ENGINEERING COLLEGE
(An Autonomous Institution)

R.S.M Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu- 601206
Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi/ Accredited by NAAC with A+ Grade
An ISO 9001:2015 Certified Institution / All the Eligible UG Programs are Accredited by NBA, New Delhi

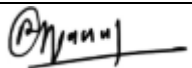


Department of Electrical and Electronics Engineering

Ref. No. RMKEC/BoS/MoM/EEE/2021-22/03

Date: 19.05.2022

MINUTES OF BOARD OF STUDIES MEETING

Name of the Board	Electrical and Electronics Engineering	
Programmes Offered	B.E. Electrical and Electronics Engineering M.E Power Electronics and Drives	
Date, Time and Venue	19.05.2022 (Thursday), 2:30 PM and Online Mode	
Meeting No.	03	
Notification No. and Date	RMKEC/BOS/COE/2022/01 dt 16.05.2022	
SPECIAL INVITEES		
1. Mr. R. M. Kishore, Vice Chairman, R.M.K. Group of Institutions 2. Dr. M. S. Palanichamy, Advisor, R.M.K. Group of Institutions 3. Dr. K. A. Mohamed Junaid, Principal, R.M.K. Engineering College 4. Dr. Elwin Chandra Monie, Dean (Research) 5. Dr. S. Pavai Madheswari, Academic Coordinator, R.M.K. Engineering College		
BoS MEMBERS		
Position in Board of Studies	Details of the Member	Signature of the Member
Board of Studies Chairman	Dr. Geetha Ramadas Professor & Head, R.M.K. Engineering College	
Subject Expert from Outside the Parent University	1. Dr. V.T Sreedevi, Professor, Department of Electrical Engineering, Vellore Institute of Technology, Chennai Campus	
	2. Dr. K Vijayakumar Professor & Head/EEE, SRM Institute of Science and Technology, Kattankulathur Campus, Chennai	
Expert Nominated from Anna University	Dr. M C Bhuvaneshwari Professor, Department of Electrical Engineering P S G College of Technology, Coimbatore	
Industry Representative-1	Mr. Raghav Ankur, Principal Educator KPIT Technologies Ltd., Bengaluru	
Industry Representative-2	Mr. Saumendra Dash, Senior Solutions Architect, HCL Technologies, Chennai	Saumendra Dash
Postgraduate Meritorious Alumnus	Mr. S.Mohanakrishnan Senior Aerospace Test Engineer, Honeywell Technology Solutions, Bengaluru	S.MohanaKrishnan
Expert from Outside the College	Er. P. Arunachalam, Executive Engineer Tamil Nadu Electricity Board, Avadi Division, Chennai	

Faculty of Electrical and Electronics Engineering	Dr. Y. Sukhi, Professor	
	Dr. N.M. Jothiswaroopan, Professor	
	Dr. S. Vijayalakshmi, Professor	
	Dr. T Magesh, Professor	
	Dr. S Anita, Associate Professor	
	Dr. P Kavitha, Associate Professor	
	Dr. M S Kavitha, Associate Professor	
	Ms. Chandla Ellis, Associate Professor	
	Mr. M Ganesan, Associate Professor	
	Ms. L. Annie Isabella, Assistant Professor	
	Mr. S Balamurugan, Assistant Professor	
	Ms. M Perarasi, Assistant Professor	
	Mr. A Fayaz Ahamed, Assistant Professor	
	Mr. M Thiyagesan, Assistant Professor	
	Ms. A Jenifer, Assistant Professor	
	Ms. Sabari L Umamaheswari, Assistant Professor	
	Ms. M Vimala, Assistant Professor	
	Mr. Alexander Jeevanantham, Assistant Professor	
	Mr. K Naresh Kumar, Assistant Professor	
	Ms. E Elakkia, Assistant Professor	
	Ms. Balamaheswari, Assistant Professor	

At the outset, the Chairman welcomed all the members to the 3rd meeting of the Board of Studies (BoS) of Electrical and Electronics Engineering. The Chairman, introduced all the members and presented the achievements, of the College and the Department, during the academic year 2021-22. The Chairman briefed the agenda to be discussed.

The minutes of the meeting are as follows:

Item No. RMKEC/BoS/EEE/2021-22/03/01	To consider and ratify the curriculum of UG program of the Department of Electrical and Electronics Engineering -V to VIII semester – BE(EEE)
Discussion	Resolution

Interchanging of Object-Oriented Programming Theory and Laboratory from SEM VI to SEM V and Automotive Electronics & Power Electronics Laboratory from Semester V to Semester VI, with change in subject code, as per the suggestion given by HCL technologies, knowledge partner of EEE Department.	Changed the Subject code of - Automotive Electronics from 20EE504 to 20EE604 - Power Electronics lab from 20EE511 to 20EE611 All the proposed changes are approved by the BoS
The title of Object-Oriented Programming to be changed as Object Oriented Programming using C++	Title changed as per the suggestion from BoS members
The subject codes of the Object-Oriented Programming Theory and Laboratory are to be changed as these as exclusively framed for EEE	New subject codes are given and approved by BoS
From the title of Electric Energy generation utilization and conservation, Generation word can be removed since topic related to Generation are not discussed	Title changed as per the suggestion from BoS members
20EE907 Microcontroller based system design title is to be changed as ARM Based microcontroller architecture. Because of no design aspect is involved in the syllabus	Title changed as per the suggestion from BoS members
20EE928 - Advanced Logistics and Supply Chain Management subject title is changed as Logistics and Supply Chain Management	Title changed as per the suggestion from BoS members
Mr. P Arunachalam, Executive Engineer, TNEB suggested to include subjects related to Electrical drawing and wiring & Design of Industrial panel as they give very good exposure to students joining Power Utility Industry	It is proposed to include the subjects in the Regulations 2022 and approved by BoS
The following three electives were earlier offered by the Department of Computer Science & Engineering. Now, since the syllabus is tailor made for EEE students by the knowledge Partner, it is proposed to give EEE code as given below - Operating Systems: 20EE905 - Computer Architecture: 20EE912 - Computer Networks: 20EE919	Approved
Change in subject code of the following Elective subjects offered by other Departments - Principles of Management from 20CE906 to 20ME926 - Indian Constitution from 20IT907 to 20IT927 - Artificial Intelligence & Machine Learning from 20EE912 to 20AI920	Approved

4. UAV and Drone Technology from 20CS934 to 20CS926 5. Data Analytics from 20CS701 to 20AI402 6. Professional Ethics in Engineering from 20CE918 to 20CE917 7. Digital Image Processing from 20EC906 to 20EC907 8. Cloud Computing from 20CS702 to 20CS701 9. Design Thinking from 20IT908 to 20IT901 10.20EC501 Digital Communication Systems to 20EC501 Digital Communication 11.20EC603 Wireless Communication Systems to Wireless Communication 12.20EC915 FPGA & ASIC Design to 20EC914 FPGA & ASIC Design 13.20EC915 Applications of 4G & 5G Communications to Fundamentals of 4G/5G Wireless Communication 14.20CS993 Multimedia Systems to 20IT905 Computer Graphics & Multimedia 15. Subject code for the all the electives offered by the Department of EEE are to be changed since the following 3 subjects are included in EEE board a. Operating Systems b. Computer Architecture c. Computer Networks	
Syllabus is under preparation for 20EE932 Automotive Software Engineering	Will be submitted for approval during the next meeting
All Elective courses can be merged so that students will have more flexibility to choose the subject of their choice	Since, some of the elective subjects have some prerequisites, reduced the number of groups from 6 to 2 with Group 1 consisting of all electives offered in Third year and Group 2 with all electives offered in Final Year

Item No.	
RMKEC/BoS/EEE/2021-22/03/02	
Discussion	Resolution
To consider and approve the syllabi of subjects from V to VII semester of the UG Program of the Department of Electrical & Electronics Engineering-BE(EEE)	
The syllabus of object-oriented programming theory and Laboratory are framed using JAVA Concepts but it should be re-framed using C++ concepts, as per the requirements from the Knowledge partner	Modified syllabus is provided by Mr. Saumendra Dash, Senior Solutions Architect and BoS Member EEE code is allotted as it is an exclusive subject for EEE students 1. 20EE504: Object Oriented Programming using C++ concepts 2. 20EE511: Object Oriented Programming Laboratory

In Solid state Drive Subject under Induction motor drive unit, a topic of introduction to vector control to be added	Syllabus modified by including vector control
In Power electronics lab, Design based experiments are to be included like design and implementation of boost converter for solar application	Modified the list of experiments by including design-oriented experiments with practical application.
20EE908 Electric and Hybrid Vehicles, unit 1 - Need for Alternative System to be changed as Need for Electric Transportation System	Changes incorporated as per the suggestion from BoS members
The syllabi for the following electives need to be fine-tuned to suit the requirements of the Knowledge partner, HCL Technologies 1. Operating Systems 2. Computer Architecture 3. Computer Networks	Modified syllabus is provided by Mr. Saumendra Dash, Senior Solutions Architect and BoS Member. The same is approved by the BoS

After the discussions and corrections, it was unanimously decided to approve the ratifications in the Curriculum of V to VIII Semesters (for the students admitted from the academic year 2020-2021 onwards) of B.E. Electrical & Electronics Engineering as well the Curriculum and Syllabi of III Semesters (for the students admitted from the academic year 2020-2021 onwards) of B.E. Electrical and Electronics Engineering. The identified 57 external examiners for theory and practical end semester examinations were approved.

The copy of Curriculum and Syllabi is attached reference.

The Chairman of Board of Studies thanked all the members for their valuable suggestions and coordination.

Zoom Meeting You are viewing Geetha Ramadas' screen View Options

Recording...

PROFESSIONAL ELECTIVES DISTRIBUTION

	PE1 V 6000	PE2 V 6000	PE3 V 6000	PE4 V 6000	PE5 V 6000	PE6 V 6000
CONTROL AND AUTOMATION	Robotics And Automation	Biomedical Instrumentation	Control of Electrical Circuits	Fiber Optics and Laser Instrumentation	Automotive Software Engineering (SDET Elective for PE Elect students)	
COMPUTERS AND INFORMATION TECHNOLOGY	Computer Architecture and Operating Systems	Artificial Intelligence and Machine Learning	System Programming (SDE Elective for PE Elect students)	Deep Learning Techniques	Computer Vision	Multimedia Systems
MANAGEMENT	Python Programming	Computer Networks	Data Analytics	Cloud Computing	Human Computer Interaction	Cyber Security
	Principles of Management	Intellectual Property Rights	Professional Ethics in Engineering	Design Thinking	Advanced Logistics and Supply Chain Management	Foundation Skills in Integrated Product Development
	Indian Constitution	Operations Research	Total Quality Management	Human Rights	Essence of Indian Traditional Knowledge	Enterprise Resource Planning (ERP) and Business Processes for Engineering (BPE)

SRM E&T Sreedevi V T Mohana Krishnan Raghav Ankur K... P.Arunachalam

saumendra.d Alexander Jeeva... Jothi Swaroopa... M C Bhuvanesw... Elakkia E

MAGESH T S Balamurugan Fayaz Ahamed chandla ellis Perarasi

Ms. Anita S Sr. L... Kavitha Pasuma... M.Ganesan Sabari Umamah... Ms. K Balamahe...

Y Sukhi Jenifer A M.Vimala /EEE EEE - RMKEC Dr. Vijayalaksh...

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Zoom Meeting

Recording...

Geetha Ramadas Naresh Kumar K SRM E&T Elakkia E MAGESH T

S Balamurugan Perarasi Ms. Anita S Sr. L... Jothi Swaroopan... Kavitha Pasumal...

M.Ganesan Sabari Umamah... Ms. K Balamahe... Y Sukhi Jenifer A

Dr. Vijayalaksh... EEE - RMKEC

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BoS Chairman
<Signature with Seal>

Principal
<Signature with Seal>

Original to CoE

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2. Department BoS File