



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/2022-23/05

Date: 27.03.2023

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	27.03.2023 (Monday), 10:30 AM. Venue: RJ Block Seminar Hall 1	
Meeting No.	05	
Notification No. and Date	RMKEC/AO/BOS/EEE/2023/05	dt: 24.03.2023
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. K.K. Sivagnana Prabhu, Dean-Career Development Centre 6. 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	<i>Geetha</i> 27/03/2023
Expert Nominated from Anna University	Dr. M C Bhuvaneswari Professor, Department of Electrical Engineering P S G College of Technology, Coimbatore	<i>M Bhuvaneswari</i> Attended through online mode
Subject Expert from Outside the Parent University	1.Dr. V.T Sreedevi, Professor, Department of Electrical Engineering, Vellore Institute of Technology, Chennai Campus	<i>Dr. V.T Sreedevi</i>
	2. Dr. K Vijayakumar Professor & Head/EEE, SRM Institute of Science and Technology, Kattankulathur Campus, Chennai	<i>Dr. K Vijayakumar</i>
Industry Representative-1	Mr. Raghav Ankur, Principal Educator, KPIT Technologies Ltd., Bengaluru	<i>Raghav Ankur</i>
Industry Representative-2	Mr. Saumendra Dash, Senior Solutions Architect, HCL Technologies, Chennai	<i>Saumendra Dash</i>

Postgraduate Meritorious Alumnus	Mr. S.Mohanakrishnan Senior Aerospace Test Engineer, Honeywell Technology Solutions, Bengaluru	
Expert from Outside the College	Er. P. Arunachalam, Superintending Engineer, TNEB, Vellore Division, Chennai.	Attended through online mode
Faculty of Electrical and Electronics Engineering	Dr. Y. Sukhi, Professor	Sukhi
	Dr. N.M. Jothiswaroopan, Professor	nmj
	Dr. T Magesh, Professor	tm
	Dr. S Anita, Associate Professor	
	Dr. P Kavitha, Associate Professor	P. Kavitha
	Ms. Chandla Ellis, Associate Professor	Chandla Ellis
	Mr. M Ganesan, Associate Professor	M. Ganesan
	Ms. L. Annie Isabella, Assistant Professor	L. Annie Isabella
	Mr. S Balamurugan, Assistant Professor	S. Balamurugan
	Mr. A Fayaz Ahamed, Assistant Professor	A. Fayaz Ahamed
	Mr. M Thiyagesan, Assistant Professor	M. Thiyagesan
	Ms. A Jenifer, Assistant Professor	A. Jenifer
	Ms. Sabari L Umamaheswari, Assistant Professor	S. Sabari L Umamaheswari
	Ms. M Vimala, Assistant Professor	M. Vimala
	Mr. Alexander Jeevanantham, Assistant Professor	A. Jeevanantham
	Mr. K Naresh Kumar, Assistant Professor	K. Naresh Kumar
	Ms. E Elakkia, Assistant Professor	E. Elakkia

At the outset, the Chairman welcomed all the members to the 5th meeting of the Board of Studies (BoS) of Electrical and Electronics Engineering. All the members, except Mr. Mohanakrishnan, Senior Aerospace Test Engineer, Honeywell Technology Solutions, Bengaluru, were present for the meeting. The Chairman, Board of Studies of Electrical and Electronics Engineering presented the major achievements of the Institution and Department. The Chairman briefed the agenda to be discussed.

The minutes of the meeting are as follows:

Agenda No	Agenda	Action Taken
Item No. RMKEC/BoS/2023- 23/05/01	To consider reduction of 18 credits from total credits of 180 and to introduce of Honors/ Minor degree with 18 credits- Regulation 2020 for the students admitted during 2021-22	Following theory courses are merged with appropriate laboratory courses a. 20EE501 Power Electronics, offered in Semester V (3 credits) and 20EE611 -Power Electronics Lab offered in Semester VI (2 credits) are merged and offered in semester V as a lab integrated course with 3 credits. – Reduction of 2 credits b. 20EE502 Embedded Systems Design and IoT (3 credits) and 20EE512 Embedded Systems and IoT Laboratory (2 credits) are merged and offered in semester V as a lab integrated course with 3 credits. Reduction of 2 credits c. 20EE504 Object Oriented Programming using C++ (3 credits) and 20EE511 Object Oriented Programming using C++ Laboratory 2 credits) are merged and offered in semester V as a lab integrated course with 4 credits. Reduction of 1 credit d. Removed 20EE601 Solid State Drives (3 credits) , 20EE604 Automotive Electronics (3 credits) and 20EE702 Conventional and Renewable Energy Systems (3 credits) along with 20EE712 Renewable Energy Systems Laboratory (2 credits) and included in Electives - Reduction of 11 credits e. 20EE602 Power System Analysis (4 credits) and 20EE711 Power

		System Simulation Laboratory (2 credits) are merged together and offering in semester VI with 4 credits: Reduction of 2 credits
		Total reduction of 18 credit
Item No. RMKEC/BoS/2022- 23/05/02	To approve the curriculum for Honors- Regulation 2020 for the students admitted during 2021-22	a. Introduced 1 course in semester V with 3 credits b. Introduced 2 courses in semester VI with 3 credits each c. Introduced 2 courses in semester VII with 3 credits each and a capstone Project with 3 credits Total 18 credits
Item No. RMKEC/BoS/2023- 23/05/03	To consider introduction of the following two mandatory credit courses (one credit each) during second semester and third semester for the students admitted in the academic year 2022-23 and during first and second semester from the academic year 2023-24 onwards. a. "Heritage of Tamils" in second semester b. "Tamils and Technology" in third semester	Approved
Item No. RMKEC/BoS/2023- 23/05/04	To consider introduction of Honors / Minor degree and ratify the curriculum (2022) with regard to changes in the order of the courses from the third to eighth semesters of the UG program of the Department	1. Approved for offering Honors with a. Introduced 2 courses in semester V with 3 credits each b. Introduced 1 course in semester VI with 3 credits c. Introduced 2 courses in semester VII with 3 credits each and a capstone Project with 3 credits Total 18 credits 2. Microcontrollers moved from Semester IV to Semester V and Microprocessors moved from Semester V to Semester IV

	of Electrical and Electronics Engineering – B.E (EEE).	3. Removed 22EE406: Embedded C Programming with 3 credits from Semester IV and allocated one credit each to Tamils and Technology, Mathematics III and Transmission & Distribution IV Semester 4. Shifted Professional Elective I to Semester IV
Item No. RMKEC/BoS/2023- 23/05/05	To consider and approve the syllabi for the subjects offered during 3 rd and 4 th semester -Regulations 2022	Approved
Item No. RMKEC/BoS/2023- 23/05/06	Any Other matter 1. Proposed to introduce 2 more open electives so that students will get better opportunity to learn various technology related courses of their choice	Reduced the credits of the following courses from 4 to 3 and introduced 2 more Open Electives with 3 credits each 1. 22EE302 Electrical machines I 2. 22EE304 Digital Electronics 3. 22EE305 Analog Electronics 4. 22EE406 Electrical machines II 5. 22EE504 Embedded System and IoT 6. Professional Elective III
	2. Included one course “Product Development Lab III & IV in Semester III and Semester IV:	Removed 20EE411 Mini Project with 1 credit and Reduced 1 credit from Professional Elective V
	3. Presented the list of examiners for various exam related activities like Question Paper setting, Paper valuation, Examiner for Practical exams.	Members of BoS approved the list

After the discussions and corrections, it was unanimously decided to approve the following

- Reduction of 18 credits from total credits of 180 for introducing Honors/ Minor degree with 18 credits for the students admitted under Regulation 2020 during the academic year 2021-22

- The revised curriculum under Regulation 2020 for the students admitted during the academic year 2021-22
- Curriculum for Honors for the students admitted under Regulation 2020 during the academic year 2021-22
- Introduction of the following two mandatory credit courses (one credit each) during second semester and third semester for the students admitted in the academic year 2022-23 and during first and second semester from the academic year 2023-24 onwards.
 - a. “Heritage of Tamils” in second semester for the students admitted during 2022-23 and during first semester for students admitted thereafter
 - b. “Tamils and Technology” in third semester for the students admitted during 2022-23 and during first semester for students admitted thereafter
- Introduction of Honors / Minor degree and ratify the curriculum (2022) with minor change in the order of subjects – B.E (EEE).
- The syllabi for the subjects offered during 3rd and 4th semester -Regulations 2022





The copy of Curriculum and Syllabi is attached for your reference.

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

269-L. 22/03/2023

BoS Chairman

<Signature with Seal>
Dr. GETHA RAMADAS
 Professor & Head / EEE
 R.M.K. Engineering College
 RSM Nagar, Kavaraipettai,
 Gummidipoondi Taluk,
 Tiruvallur District - 601 206.

27/03/23

Principal

<Signature with Seal>
Dr. K.A. MOHAMED JUNAID, M.E., Ph.D.,
 PRINCIPAL
 R.M.K. ENGINEERING COLLEGE
 R.S.M. NAGAR, KAVARAIPETTAI-601 206
 GUMMIDIPOONDI TALUK, TIRUVALLUR DIST.

Copy to:

1. All Bos Members (Soft Copy)
2. Department BoS File

Encl:

1. Annexure I: 1st to 8th Semesters B.E. Electrical and Electronics Engineering R-2020 Curriculum and Syllabi for the students admitted from the year 2021 – 2022 onwards.
2. Annexure II: 1st to 8th Semesters B.E. Electrical and Electronics Engineering R-2022 Curriculum for the students admitted from the year 2022 – 2023 onwards.
3. Annexure III: R 2022 Syllabi for 3rd and 4th Semester of B.E. Electrical and Electronics Engineering
4. Annexure IV: Panel of Examiners