



MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST
Rajarajeswari College of Engineering

(An Autonomous Institution under VTU, Belagavi)



Department of Electronics and Communication Engineering

BOS members

Sl.No	Name of the member	Designation	Signature
1	Dr. G Sadashivappa	Professor & COE	
2	Dr.LRangaiah	Professor & Dean-Academics	
3	Dr.Sunitha R	BOS Chair person and HOD, Dept. of ECE	
4	Dr.AMuruganadham	Professor	
5	Dr.A M Prasanna Kumar	Professor	
6	Dr.Anitha S	Professor	
7	Dr.Deepika J	Associate Professor	
8	Prof. V Sreepathi	Assistant Professor	
9	Prof.Lokesha K	Assistant Professor	
10	Prof.Chaithanya S	Assistant Professor	
11	Prof. Vani S B	Assistant Professor	
12	Prof.SanthoshChavan	Assistant Professor	
13	Prof.Ajay M	Assistant Professor	
14	Prof. Haritha K S	Assistant Professor	
15	Prof.Suresh M	Assistant Professor	

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Minutes of 2nd BOS meeting

AGENDA

Date of meeting: 22/02/2025

Time: 10.30 am to 1.00 pm

Venue: Board Room, RajaRajeswari College of Engineering.

The following points discussed in the meeting are

1. Welcome address by the Chairman of the Board of Studies (BOS)
2. Discussion on 3rd and 4th semester scheme and syllabus proposed for UG- for the academic year 2025-26.
3. Discussion on 5th to 8th semester of 2024 scheme proposed for UG program
4. CIE and SEE evaluation process
5. Forum would be open for further discussion and suggestions.
6. Vote of Thanks.



Rajarajeswari College of Engineering

(An Autonomous Institution, ^{under} Affiliated to VTU, Belagavi & Approved by AICTE, UGC & GoK)

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Dept. of Electronics & Communication Engineering

Date: 22/02/2025

The following members are attended for the Board of Studies (BOS) 2nd meeting on 22/02/2025 at 10:30 am, Board room.

Sl.No	Name of the expert member	Designation & Address	Role in the BoS Meeting	Signature with date
1	Dr. N N Murthy	Professor, Dept. of ECE, IIT, Tirupati	VTU Nominee	on line
2.	Dr. S B BhanuPrashanth	Professor, Dept. of Medical Electronics, BMSCE	Academic Expert	<i>S B BhanuPrashanth</i> 7
3.	Dr. A M VijayaPrakash	Professor, Dept. of ECE, BIT	Academic Expert	<i>Am VijayaPrakash</i> 22/02/25
4	Mr. Shivakumar P M	SAP Labs, Bangalore	Industry Expert	<i>Shivakumar P M</i> 22/02/25
5	Mr. Srikanth K S	IntelIndia Pvt Ltd	Industry Expert	on line
6	Mr. Viswajith V Pai	Project Engineer Synopsis Inc	Alumni	<i>Viswajith V Pai</i> 22/02/25
7	Dr. G Sadasivappa	Controller of Examinations, RRCE	Member	<i>G Sadasivappa</i>
8	Dr. L Rangaiah	Dean Academics, RRCE	Member	<i>L Rangaiah</i>
9	Dr. Sunitha R	Head of the Dept.	BoS Chairman	<i>Sunitha R</i>
10	Dr. A Muruganandham	Professor	Member	<i>A Muruganandham</i>
11	Dr. A.M Prasanna Kumar	Professor	Member	<i>A.M Prasanna Kumar</i>
12	Dr. Anitha S	Professor	Member	<i>Anitha S</i>
13	Dr. Deepika J	Assoc. Professor	Member	<i>Deepika J</i>
14	Prof. Sreepathi V	Asst. Professor	Member	<i>Sreepathi V</i>
15	Prof. Lokesh K	Asst. Professor	Member	<i>Lokesh K</i>
16	Prof. Vani S B	Asst. Professor	Member	<i>Vani S B</i>
17	Prof. Chaithanya S	Asst. Professor	Member	<i>Chaithanya S</i>
18	Prof. Santosh Chavan	Asst. Professor	Member	<i>Santosh Chavan</i>
19	Prof. Ajay M	Asst. Professor	Member	<i>Ajay M</i>
20	Prof. Haritha K S	Asst. Professor	Member	<i>Haritha K S</i>
21	Prof. Suresh M	Asst. Professor	Member	<i>Suresh M</i>

Sunitha R
BoS Chairman

L. RANGAIAH
Dean Academics, RRCE, MIEEE
ACADEMIC - DEAN

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Dr. Sunitha R, Chairman BoS presided over the meeting. The following items were taken up for discussion and consideration

1. Welcome address by the Chairman of the Board of Studies (BOS).

- The Chairman of the Board of Studies (BOS) formally welcomed all the members and invited them to begin the proceedings.

2. To Confirm the Minutes of the meeting of BoS in ECE, held on 22nd February 2025

- The minutes of the meeting of BOS meeting held on 22.03.2025 have been circulated to the members through email soliciting their suggestion and comments. The members approved the minutes of the BoS Meeting of held on 22.03.2025.

3. Discussion on 3rd and 4th semester scheme and Syllabus proposed for UG- for the academic year 2025-26.

- The BOS-Chairman presented the 2nd year scheme and syllabus of the above programmes as per the VTU guidelines and the same was discussed with the members of the BOS.
- Dr. Bhanuprashnath, Academic member suggested to make a title specific- to the subjects like Transforms probabilities and random variables instead of Mathematics-III for ECE and also for Mathematics-IV for ECE.
- Dr. Vijaya Prakash, Academic member suggested to specify clearly in the syllabus document that the contents of each module are derived from standard textbooks. Any textbook that does not cover the syllabus should be removed from the recommended list.
- Dr. Vijaya Prakash and Dr. Bhanuprashnath suggested making the Electromagnetic Theory (Field Theory) syllabus, ensuring a deep understanding of fundamental topics. Limit the number of textbooks to a maximum of three and include fewer reference books, ensuring they are of the latest edition. Course Outcomes (COs) should be defined with appropriate taxonomy.
- Mr. Shivakumar P M suggested that, there should be an interconnection between one module and another to ensure a smooth flow of topics.
- Dr. Vijaya Prakash suggested, for Digital System Design using Verilog HDL, it is advised to preferably use the textbook "Verilog HDL" by Samar Palnitkar.



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- Dr. Bhanuprashnath suggested, in the lab component, make it a generalized component so that different decoders (circuits) can be chosen each year.
- Dr. Vijaya Prakash, Academic member and Dr. Bhanuprashnath pointed out that Integrated Professional Core Course (IPCC) at Visvesvaraya Technological University (VTU) is to integrate professional theory with practical application of the same course. The theory part of IPCC is evaluated by both Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). The practical part of IPCC is evaluated by CIE only. Questions from the practical part of IPCC may be included in the SEE question paper.
- They also asked the clarification on whether students must achieve a minimum of 40% in the combined CIE and SEE for both IPCC theory and IPCC lab to pass the IPCC course. This implies that a student must score at least 40 out of 100 in both components, which could make the assessment process more complex.
- BOS (Board of Studies) members have agreed to replace Analog Electronics by Linear Integrated Circuits (LIC) in the 3rd semester because most of the Analog Electronics topics are already covered in 1st-year Basic Electronics. He said to reframe Linear Integrated Circuits syllabus accordingly.
- Include lab components in the Ability Enhancement Course (AEC) to enhance practical learning. Establish a connection between the Engineering Science Course (ESC) and the Ability Enhancement Course (AEC) for better integration.
- Dr. Bhanuprashnath suggested designing the curriculum in accordance with the latest NBA accreditation standards.
- Evaluate whether the "Power and Instrumentation" subject is necessary and consider introducing new subjects.
- All Members suggested incorporating Ability Enhancement Courses (AEC) focusing on avoiding highly technical (core, complicated) subjects in the Ability Enhancement Course (AEC), as it may put excessive strain on students for a single credit. Instead, consider subjects such as:

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- Placement-oriented courses
 - Professional ethics
 - Signal integrity and data algorithms
 - Personal financial management
 - Personal healthcare courses, etc.
-
- Incorporate a Communication Lab to enhance practical learning in communication-related topics. Separate "Network and Control Systems" into two distinct subjects for better clarity and structured learning.
 - Mr. Vishwajith Pai, Alumni also recommended restructuring the curriculum by introducing Microprocessors in the lower semesters and Microcontrollers in the higher semesters. This approach ensures that students first develop a strong foundational understanding of microprocessor architecture, programming, and applications before advancing to microcontrollers.
 - Mr. Shivakumar P M. proposed integrating ECESubjects with AI/ML into the curriculum to align with emerging industry trends and technological advancements. This addition would provide students with hands-on experience in programming robots using Artificial Intelligence (AI) and Machine Learning (ML) techniques.
 - **Agenda 3: Discussion on 5th to 8th semester scheme of 2024 scheme proposed**
 - Dr. Bhanuprashnath, Insisted to follow revised National Board of Accreditation (NBA) guidelines, the number of Program Outcomes (POs) has been streamlined to 11, ensuring a more focused on industry-relevant approach in engineering education. Align with global accreditation standards (e.g., Washington Accord).
 - Dr. N N Murthy. VTU nominee, Ensuring a comprehensive learning experience that balances theoretical knowledge, practical applications, and self-study.
 - Incorporate an internship before major projects to ensure that the internship experience leads to project ideas.
 - Facilitate opportunities for students who stay in India, ensuring they receive adequate support.
 - Include industry-driven courses to align the curriculum with industry needs.



- Include industry-driven courses to align the curriculum with industry needs.
- Encourage peer-to-peer learning by supporting fast learners and enabling them to teach slow learners.
- Remove the "Multirate Systems" subject from the curriculum.
- Modify the title of "Advanced VLSI" by removing "Advanced" and considering alternatives such as "Low Power VLSI Design," "ASIC Design," or "Analog and Mixed-Mode VLSI."
- Remove "Line Codes" from the Principles of Communication Systems syllabus.
- Mr. Vishwajith and Mr. Shivakumar P M proposed adding a mini-project as a mandatory component in the curriculum to provide students with practical exposure and hands-on learning experience. Also suggested that the Technical Seminar should not carry 4 credits and should not be scheduled in the 8th semester to optimize the curriculum structure.

Agenda 4: CIE and SEE evaluation process for UG program

- The BOS members suggested w.r.t the subject Social Connect and Responsibility course is evaluated without a Semester-End Examination (SEE). Instead, the assessment is likely based on Continuous Internal Evaluation (CIE) based on activity based presentation.
- All BOS members suggested integrating Activity-Based Learning (ABL) to make education more interactive, engaging, and skill-oriented, moving beyond traditional lecture-based methods.
- All BOS members suggested to limit each semester to Two Labs (One Core Lab + One Interdisciplinary /Industry Lab) reduce repetitive theory courses and merge similar subjects for better efficiency, encourage Self-Learning through internships, and research projects. Develop some labs with simulation-based learning (MATLAB, Labview, IoT platforms, etc.)
- Mr. Shivakumar P M proposed to incorporate Massive Open Online Courses (MOOCs), NPTEL etc. into the 2nd and 3rd years of the curriculum to enhance students' learning experience and exposure to emerging technologies.
- All BOS members suggested making interdisciplinary projects a mandatory part of the curriculum to encourage collaboration across different engineering and science disciplines, fostering innovation and problem-solving.
- Maintain consistency with national and university-level academic requirements while minimizing deviations that could lead to approval challenges or difficulties in execution.



Agenda 5: Forum would be open for further discussion and advices.

- All member of the Board of Studies (BOS) suggested revising and refining the rubrics for Course Outcomes (COs) to ensure clear, measurable, and outcome-driven assessment criteria.
- All member of the Board of Studies (BOS) recommended following the AICTE model curriculum and the VTU curriculum closely, without introducing major modifications. The suggestion implies aligning the syllabus with the guidelines and frameworks set by these regulatory bodies to ensure standardization, compliance, and ease of implementation. This approach may help to maintain consistency with national and university-level academic requirements while minimizing deviations that could lead to approval challenges or difficulties in execution.
- All BOS member suggested including the latest editions of textbooks as prescribed texts in the curriculum. By incorporating the newest editions, the curriculum can stay relevant, reflecting the latest research, technological developments, and best practices in the field.
- All BOS member suggested ensuring interconnectedness in subject selection across different verticals. This recommendation emphasizes the need for a well-structured curriculum where subjects from various domains complement and build upon each other.
- All BOS member suggested that general subjects should be assessed using Multiple-Choice Questions (MCQs), while practical subjects should not follow this assessment method.
- All BOS member suggested incorporating industry-driven courses into the curriculum. Such courses may include emerging technologies, industry best practices, and case studies that bridge the gap between academic learning and professional expectations.
- All BOS member suggested including courses on personal healthcare and financial management in the curriculum. This recommendation aims to equip students with essential life skills that contribute to their overall well-being and future stability.
- All BOS Members expressed overall satisfaction and appreciated the work at the curriculum development process.

Agenda 6: Vote of Thanks.

- The BOS Chairman expressed his sincere thanks towards all the members for attending the meeting and also for their valuable inputs and formally concluded the meeting.

Dr. Sunitha R

HOD, BOS Chairperson

Dr. Rangaiah L

Dean-Academics

Dr. R Balakrishna

Principal



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