SR UNIVERSITY

Department of Electrical and Electronics Engineering

School of Engineering

Minutes of 3rd Board of Studies Meeting

2022 – 2023

SR UNIVERSITY

Department of Electrical and Electronics Engineering

Meeting of Board of Studies

Venue: Conference Hall, Block-I

Date: 30.05.2022
Time: 12.00 PM.

AGENDA

BoS-3-1: To confirm the minutes of the 2nd Board of Studies Meeting held on 24.07.2021

BoS-3-2: To discuss the feedback analysis of the stakeholders and approve the courses recommended by DAC.

BoS-3-3: To approve the B. Tech. EEE syllabus for V to VIII semesters

BoS-3-4: To approve the courses and syllabus of the Honors degree program in the department of EEE

BoS-3-5: To approve the courses and syllabus of the Open electives and Minors program

BoS-3-6: Any other items with the permission of the Chair

SR UNIVERSITY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

MEMBERS OF BOARD OF STUDIES

Academic Year 2022 - 2023

Date: 30.05.2022 **Venue: Conference Hall, Block-I**

Sl.No.	Name of the Member	Position held	Signature
1.	**Dr. Shriram S. Rangarajan** Assoc. Prof.. & HOD, EEE Dept. SR University	Chairman	
2.	**Dr. D.M Vinod Kumar** Professor, EE Dept., NITW	External Subject Expert	
3.	**Dr. K. Siva Kumar** Professor, IIT, Hyd.	External Subject Expert	
4.	**Mr. MD. Akbar Ansari** Chief Consultant, Electromation Technologies, Hyderabad	Industry Representative	
5.	**Dr. A V V Sudhakar** Associate Professor SR University	Member	
6.	**Dr. Ram Deshmukh** Professor SR University	Member	
7.	**Dr. D Rajababu** Associate Professor SR University	Member	
8.	**Mr. M.M. Irfan** Assistant Professor SR University	Member	
9.	**Dr. Suneel Raju Pendem** Assistant Professor SR University	Member	

SR UNIVERSITY

Department of Electrical and Electronics Engineering

Meeting of Board of Studies

Venue: Conference Hall, Block-I

Date: 30.05.2022
Time: 12:00 PM

Mode: Offline & Online

AGENDA & NOTES

The board of studies (BoS) meeting of Electrical and Electronics Engineering was held on 30th May 2022

Dr. Shriram S. Rangarajan, Head/ EEE & Chairman of Board of Studies welcomed and introduced the members.

BoS-3-1: **To confirm the minutes of the 2nd Board of Studies Meeting held on 24.07.2021**

Notes: The minutes of the 2nd Board of Studies Meeting held on 24.07.2021 were circulated to all the members and is presented as Annexure I.

Resolution: The members of the board confirmed the minutes of the 2nd Board of Studies Meeting held on 24.07.2021

BoS-3-2: **To discuss the feedback analysis of the stakeholders and the action taken, as recommended by the DAC.**

Notes: The stakeholder feedback and the recommendations were thoroughly reviewed and discussed by the members. The following resolutions were formalized during the DAC meeting, in response to feedback provided by key stakeholders:

1. Employers emphasized the importance of enhancing students' research mindset for solving real-world problems. They also highlighted the need to raise awareness of emerging technologies, particularly the growing impact of AI, IoT and Electric Vehicles.
2. The alumni recommended offering a variety of courses aligned with contemporary industry concepts and technologies, such as solar, wind, and smart grid, to better equip students for careers in their core fields.

3. The parents have suggested adding courses that will support the students for their career development and placement. Also proposed courses such as environmental sciences to address the SDGs.
4. The faculty suggested value added courses such as energy audit and sensor testing.

The Stakeholders feedback is enclosed as Annexure II.

In response to stakeholder recommendations, new courses have been incorporated into the curriculum, effective from the academic year 2022-23, and are presented to the BoS for approval. The list of proposed courses is attached as Annexure III.

Resolution: The BoS members discussed the suggestions of the stakeholders and approved the new courses and the syllabus to be added to the curriculum w.e.f 2022-23 and recommended to academic council.

BoS-3-3: **To approve the B. Tech. EEE syllabus for V to VIII semesters**

Notes: The Chair presented the proposed course list, structure and syllabus for V-VIII semestesr for B.Tech. Electrical and Electronics Engineering based on several brain storming sessions and inputs from the faculty members. The focus is on the following areas:

- Technology integration projects, internships, externships
- Advanced certifications

Discussions: Following are the observations and suggestions made by the members:

Dr. Vinod Kumar suggested to maintain two textbooks in all the syllabus of the curriculum and further requested to transfer any extra textbooks to the references section

Resolution: The board approved the syllabus and recommended to the Academic Council.

BoS-3-4: **To approve the courses and syllabus of the Honors degree program in the department of EEE**

Notes: The courses and syllabus for the courses proposed for the Honors degree were presented to the members

Discussions: All the external experts, Dr. Vinod Kumar, Dr. Sivakumar and Mr. Akbar Ansari unanimously agreed to the syllabus, as the advance level criterion in the Honors degree syllabus has been met.

Resolution: The members of the board approved the syllabus of the Honors courses

BoS-3-5: **To approve the courses and syllabus of the Open electives and Minors program**

Notes: The courses and syllabus for the courses proposed for the Minors degree were presented to the members

Resolution: The members of the board have agreed to the courses and the syllabus

BoS-3-6: **Any other items with the permission of the Chair**

Nil

REGISTRAR
SR UNIVERSITY
(V) Ananthasagar, (M) Hasanparthy,
Hanamkonda-506 371, T.G.

CHAIRMAN
Board of Studies

The inputs of the stakeholders based on their feedback are as follows:

Sl. No.	Stakeholder	Inputs from Stakeholders	Resolution
1.	Employers	Employers emphasized the importance of enhancing students' research mindset for solving real-world problems. They also highlighted the need to raise awareness of emerging technologies, particularly the growing impact of AI, IoT and Electric Vehicles.	Courses related to industry requirements proposed as per the suggestions given. Courses included are Electric vehicles, Fundamentals of EV Charging techniques & Protocols and Battery management systems
		They focused on experiential learning and developing critical thinking, which equips students with valuable research experience, strong problem-solving abilities, and the skills to address real-world challenges	A one-credit course on Undergraduate Research, where students have scope to develop their research skills is proposed.
2.	Parents	Parents highlighted the importance of effective communication and interpersonal abilities, emphasizing that building soft skills like verbal and non-verbal communication, collaboration, and leadership is essential for students' future career success.	As per the Suggestions given, a non-credit course (with the topics such as aptitude, reasoning and professional English) is proposed to enhance the soft skills required for the placements.
		They emphasized the importance of keeping up with advancing technologies, which promotes awareness of new trends, enhances adaptability, and creates opportunities for networking.	A one credit course as a seminar on the latest technologies is proposed to keep students engaged with the latest technological advancements.

3.	Alumni	It was recommended to offer several programming languages as electives, rather than just one course. This way, students can pick an elective that matches their programming skills. This approach helps them improve their programming knowledge at different levels and allows them to focus on the language that fits their abilities and career plans.	As suggested by the Alumni, it is recommended that the programming courses to be added in the bucket of open electives.
		The alumni recommended offering a variety of courses aligned with contemporary industry concepts and technologies, such as solar, wind, and smart grid, to better equip students for careers in their core fields.	Courses related to emerging technologies such as Solar PV, Wind Energy and Smart grid are proposed as per the suggestions given.
4.	Faculty	The faculty recommended the introduction of a course on Artificial Intelligence (AI) that emphasizes practical applications in daily life. This course would equip students with valuable insights into the ways AI can be utilized in everyday scenarios, enhancing its accessibility and relevance.	As suggested by the Faculty, AI for Daily Use will be added as a one credit course in the curriculum.
		The faculty suggested to include value added courses such as energy auditing and sensors related as these courses may help students in the core industry.	Courses with titles 'Energy Audit' and 'Sensor Testing' are proposed to include in the electives list.

REGISTRAR
SR UNIVERSITY
(V) Ananthasagar, (M) Hasanparthy,
Dt: Hanamkonda-506 371, T.G.

CHAIRMAN
Board of Studies

Annexure III

List of New Courses w.e.f 2022-23

S. No	Course Code	Course	L	T	P	C
1	22OE121	Introduction to Electric Vehicle Technologies	3	0	0	3
2	22OE123	Introduction to Energy Storage and Battery Management Systems	2	0	2	3
3	22OE124	Fundamentals of EV Charging techniques and Protocols	2	0	2	3
4	22OE126	Fundamentals of Wind Energy Conversion Systems	3	0	0	3
5	22OE127	Fundamentals of Solar PV Systems	3	0	0	3
6	22OE128	Introduction to Smart Grid Technologies	2	0	2	3
7	22OE122	Energy Conservation and Audit	3	0	0	3
8	22OE125	Introduction to PLC Programming	2	0	2	3

REGISTRAR
SR UNIVERSITY
) Ananthasagar, (M) Hasanparthy,
Dt: Hanamkonda-506 371, T.G.

CHAIRMAN
Board of Studies