Sri Sairam Engineering College

Department of Electronics and Communication Engineering
Minutes of meeting

The Departmental Advisory Board meeting was held online on 23rd July, 2022. The following members attended the meeting:

The following members attended the meeting:
Dr E.Priya
Ms.N.Shivani varsha
Dr J.Arunarasi
Ms.S.Usha
Ms.C.N.Savithri
Dr. G. Kulanthaivel
Dr G.Manimala
Ms. S.Devi
Mr.T.A.Bharathwaj
Mr V. Srinivasan
Ms. S.Radha
Mr. Aditya Subramani
Ms. Jayasakthi L
Ms.Rithika V

Introduction of DAB committee members

- The meeting started with a welcome note by Ms. S.Usha, Associate Professor, and she wished all members for a prosperous year.
- New members of DAB gave a brief self-introduction about them, greeted each other and hoped for a beneficial year.

Presentation of Department activities

- Dr J.Raja, Dean (Academics) and HOD welcomed all the new DAB members and explained about the department highlights.
- Ms S Usha started the presentation with the agenda as follows
  DAB.ECE.22.02.01: Department Vision and Mission
  DAB.ECE.22.02.02: Action Taken Report
  DAB.ECE.22.02.03: Department Updates
  DAB.ECE.22.02.04: Professional Societies
  DAB.ECE.22.02.05: Value Addition and Skill Enhancement courses
  DAB.ECE.22.02.06: Achievements: Faculty
  DAB.ECE.22.02.07: Achievements: Students
  DAB.ECE.22.02.08:CO-PO Attainment
  DAB.ECE.22.02.09:PGPA Calculation
  DAB.ECE.22.02.10: Elective Courses
  DAB.ECE.22.02.11: Discussion and Feedback from stakeholders
  DAB.ECE.22.02.12: Other points, if any

DAB.ECE.22.02.01: Department Vision and Mission

- Ms S Usha presented the vision and mission of the department and explained about the 12 goals to achieve vision and activities aligned to these goals.

DAB.ECE.22.02.02:Action Taken Report

- The Action taken report for the last year was well taken by the committee and approved the same.

DAB.ECE.22.02.03:Department Updates

- Dr J.Raja continued with the BRNS project, worth Rs. 24.7 Lakhs for which Dr S.Sumathi is the principal investigator and informed the members about completion of the first year.
- Ms S Usha explained about the credit distribution for the autonomous syllabus. 166 credits for UG and for PG, the credits are 70.
- All faculty were members of ISTE, IETE, IEEE and associated with the societies of their domain. Some of them were elevated as Senior Members of IEEE.
- In the presentation it was highlighted that the number of Doctorates and pursuing Ph.D have increased to 47 out of which 27 faculty members are pursuing Ph.D.
- To motivate the faculty in the research activities and grant proposals, a new format was

introduced for self appraisal.

- Dr J.Thamilselvi initiated the Startup culture in the department.

DAB.ECE.22.02.04:Professional Societies

- The activities carried out in the professional societies like IEEE, IETE, IEI and ISTE during the previous semester were presented.
- The Best Center IETE ISF Forum 2021 and IETE Shri P P Malhotra Memorial Award was awarded to the ECE department and the DAB member Dr G Kulanthaivel happily shared that he presented the award.
- Dr S Sumathi received the BEST ISF Coordinator award for the year 2021.
- World Telecommunication Day was celebrated on 17.05.2022 and Mr S Arunsundar, Systems Engineer, CVRDE, DRDO EC member IETE Chennai center acted as the chief Guest. The Chief guest elaborated on the "IoT systems and its architecture", followed by interactive speech, QUIZ, CIRCUIT JUMBLE & SURPRISE events.
- Ms. S.Usha detailed the IEEE Professional Society Chapters and the activities carried out.
- Dr.S.Brindha was elevated to Vice Chairman of Signal Processing Society, IEEE Madras section.
- Dr S Brindha acted as session chair, Event coordinator and resource person for several events organized by IEEE.
- International Conference -IC3IoT 2022 was conducted on 10th & 11th March, 2022. Total number of Papers Received was 328 out of which 184 papers were published in IEEE Digital Xplore and the conference proceedings got indexed in Scopus.
- Dr J.Thamilselvi and Ms.M.Methini received the BEST IEI Faculty advisor 2021. Student member S.Sashaank received the BEST IEI Student award 2021.
- Student member DHARSHINI A of IV year ECE received the ISTE best student award at RAMCO Institute of Technology.
- Industrial training and the internship by members of faculty and students have been presented.
- Student Pooja of second year underwent internship at Sameer. Harini and Suvarna Lakshmi of II year ECE completed their internship at PULSARS.
- Dr K.Sumathi received an award from AICTE CISCO Cyber security in recognition towards transforming India into a digital Talent Hub for motivating more students to complete virtual internships in cyber security.

DAB.ECE.22.02.05:Value Addition and Skill Enhancement courses

- The talent enhancement structure has been allotted 4 credits which is across three semesters right from the third semester to fifth semester.
- First Batch of Autonomous students completed their Talent Enhancement Courses

successfully. Students experienced a unique learning experience through Live in Labs.

- The value added courses organized by the department were presented.
- A Value added Training Programme on the topic "Embedded Protocol" on 26.9.2022 & 30.9.2022 was organized for third year students.
- The above course was approved by the DAB Members.
- The Department conducted events initiated by the Institution Innovation Council (IIC) for developing the Entrepreneurship interest in the students.
- The Department of ECE in association with IETE Student forum organized a mini project exhibition - Techxhibit 2k22 31.05.2022 for third year students.
- The planned courses for this semester such as VLSI Design, 5G Communication and Project to Product conversion were also approved by the committee.

Start ups

- Ms. S.Usha presented the glimpse of the start ups registered by members of faculty and students.
- Startup by Dr J Thamilselvi at AMTZ Visakhapatnam in the field of AI - Image Analysis of radiology and pathology imaging forward was presented.
- Students are motivated to participate in startup activities and two student teams participated in the AGRIIDEA **Competition.**
- Another student team lead by Shyamkumar M presented their startup project at INDIAN COUNCIL OF AGRICULTURE (ICAR), Hyderabad for Nidhi Prayas Finals before Principal Scientists and ICAR Officials and got selected as one of the top 20 teams at National level, only team from Tamilnadu and only Students Startup team among.

DAB.ECE.22.02.06:Achievements: Faculty

- Dr S Sumathi, Ms. V.Remya and Mr.C.Alwin Vinfred were selected as "Gems of Mentor India".
- Ms S.Usha explained that all faculty members in the department are doing the NITTTR prescribed eight modules presently available on the SWAYAM Platform as it is mandatory for Assistant Professors who have joined AICTE approved Institutes after 1st March 2014 and should be completed successfully.
- The purpose of this scheme is to provide a framework for training of Inductee Teachers in AICTE approved institutions.
- Dr S Sumathi, Dr K Sumathi, Ms G Sudha and Ms. S.Usha are also the faculty mentors in NITTTR.
- Ms.S.Usha explained about the NPTEL course and informed that Ms G Sudha was recognized as NPTEL BELIEVER AND EVANGELIST and Completed Domain Certification in DATA SCIENCE.

- She explained that student Mr. S. Deepak of III - D completed two courses in NPTEL.

Faculty Training

- Ms.S.Usha presented that 45 faculty members of our department underwent AICTE training on " Incorporating Universal Human Values in Education" to improve their Interpersonal Skills and thereby properly motivate the students using the existing mentoring system.
- Ms.S. Usha added that Dr K.Sumathi, Ms.M.Methini, Ms.K.Subhashini & Ms.V A Velvizhi attended industrial training programme at GH INDUCTION,SIDCO Industrial estate- JUNE 2022.
- 17 staff underwent training in various industries under TIEMA MOU.

Special Interest Groups

- Ms. S.Usha explained the curriculum and the distribution of courses under the professional electives offered in every semester.
- Electives in the fifth semester to eighth semester are categorized as professional electives and open electives.
- The courses under professional elective are grouped into 5 main streams (Special Interest Group). Students can select based on the stream and for every stream, a student has two choices to select the elective course based on their interest.
- Students can select electives from any of the 5 streams from fifth to eighth semester and have flexibility in opting the electives.
- Faculty members can guide the students based on their interest so as to orient the students according to their interested domain.

DAB.ECE.22.02.07:Achievements: Students

- Ms.S.Usha presented the student achievements during the EVEN semester 2021-2022.
- She presented that Reshmaja K.Ramesh of III Year ECE, has been recognized as citizen scientists in the international asteroid search campaign part Team OUTER SPACE of Sri Sairam Engineering College,
- NIRMAL RAJA K L, VARUNAPRIYAN K, and THANUSH S of III Year ECE were officially NASA's IASC CITIZEN SCIENTISTS in the CB Devgun Memorial Asteroid Search Campaign partnered with NASA.
- They got the opportunity to be citizen scientists recognised by NASA - National Aeronautics and Space Administration, where out of all the 44 asteroids that were detected in this campaign, the team Outer Space detected around 7 asteroids with the datasets that were received from PAN-STARRS with NASA, as a part of the team from our institution.
- The team has also discovered 9 asteroids which are marked as preliminary discoveries and are being considered for further evaluation by IASC and NASA.
- She explained that the II year team "ASTRO ENTHUSIASTS" of Sri Sairam Engineering College Suvarna Lakshmi S, Pooja G, Deepika R, Shervena B, Soundharya R are

officially declared as IASC CITIZEN SCIENTIST by NASA. In the MARSG India Asteroid Search Campaign, we detected and analyzed more than 40 celestial objects and 7 unknown objects with the dataset provided by Pan-STARRS.

- Ms.S.Usha explained that three teams guided by Dr.M.Baskaran, Ms.N.Nazeeya Anjum, and Ms.N.Shivaani Varsha got selected to participate in the finals of Smart India Hackathon 2022.
- Another student batch from third year guided by Dr.E.priya and Ms.C.N.Savithri have won 2nd price of Rs.75,000/- for their proposal "CONTROL OF PROSTHETIC ARM VIA SIGNALS FROM RESIDUAL LIMB - A BOON FOR AMPUTEES" in FAER-McAfee scholar Awards 2021-2022.
- Ms.S.Usha explained that 34 Batches out of 69(Live-in-Lab) were shortlisted for **Solvathon.** Out of 33 prizes **ECE** Bagged 8 prizes**.** 6 Batches got First Prize in various categories. 2 Batches got Second Prize.
- Ms.S.Usha explained that **7** batches applied for **Defence India Start-up Challenge** DISC#6 with problem statements from Armed Forces, Indian Coast Guard and Ministry of Home Affairs
- She also explained about the publication by the students in International journal/Conference, Online courses, workshop and intra college events.
- She explained about the IITB Spoken tutorial and the certification obtained by the second, third and final year students.
- Ms S.Usha presented the activities of PALS. She explained that Dr J Arunarasi has attended FDP on VIRTUAL LABS and few students were awarded as Sparkling Stars. She also announced that our college was awarded the “Proud Partner” award.

Industrial Visit

- Ms.S.Usha explained about the industrial visits organized for the second, third and final year students.

Placement and Alumni interaction

- Ms.S.Usha happily shared that 1303 offers and 100% placement for batch 2022 and she presented the honorable recruiters of our college.
- She presented that few students of the department are placed with a package of 12 to 15 LPA.
- Ms.S.Usha presented that the alumni talk by Ms.Vidya Viswanathan was conducted on 08.06.22.

Academic Calendar

- Ms.S.Usha explained about the topics planned for conduction of webinars and workshops for the ongoing semester and the courses were approved by the DAB members.

DAB.ECE.22.02.08:CO-PO Attainment

Ms.S.Usha presented the Value Addition Courses conducted in order to attain the above POs for the batch 2017-2021.

Pos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Attainment	2.51	2.07	2.00	1.85	1.81	1.41	1.56	1.52	1.73	1.93	1.63	1.53	2.09	1.66

PO 6 : The Engineer and society
PO 7 : Environment and sustainability
PO 8 : Ethics
PO12 : Life-long learning.

DAB.ECE.22.02.09:PGPA Calculation

- Ms. S.Usha presented the components of PGPA, semester wise comparison.

S.No.	PGPA Component	Credits	Semester								Total Credits
			1	2	3	4	5	6	7	8	
1	Skillrack	3	☑	☑	☑	☑	☑	☑	☑	☐	21
2	Sairam SAP	3	☑	☑	☑	☑	☑	☑	☑	☐	21
3	UBA	3	☑	☑	☐	☐	☐	☐	☐	☐	6
4	AICTE-Internship	3	☐	☐	☐	☐	☐	☐	☐	☐	
5	AMCAT	3	☐	☐	☑	☑	☑	☑	☐	☐	12
6	Ideathon	3	☑	☑	☐	☐	☐	☐	☐	☐	6
7	Solvethon	3	☐	☐	☑	☑	☐	☐	☐	☐	6
8	Innovathon	3	☐	☐	☐	☐	☑	☑	☐	☐	6
9	SAIL	3	☑	☑	☑	☑	☑	☑	☑	☐	21
10	Clubs & Cells	3	☑	☑	☑	☑	☑	☑	☑	☐	21
11	Sports & Games	3	☐	☐	☐	☐	☐	☐	☐	☐	21
12	Academics (GPA)	4	☑	☑	☑	☑	☑	☑	☑	☐	28
	Number of Components (Madatory)		7	7	7	7	7	7	5	0	169
	Number of Components (Optional)		4	4	4	4	4	4	4	0	

DAB.ECE.22.02.10:Elective Courses

- Ms.S.Usha explained about the new elective courses such as Universal Human Values II and Professional Readiness For Innovation, Employability and Entrepreneurship included in the curriculum.

MOU and funded projects

- Ms.S.Usha presented the MOUs signed with Companies namely Tenet Technetronics, Bengaluru, Maven Silicon Softech Pvt. Ltd., Bengaluru, Live Wire, Chennai and RETECH Solutions Pvt. Ltd., Chennai with a duration of 3 to 5 years.
- Ms.S.Usha presented about the funded projects by the department. She happily shared about the Captioned Proposal Titled " Campus Modernization through Ultra-High Capacity Optical Network" for an amount of Rs.1,47,00,000 submitted by the Department for support under the FIST Program of DST has been favorably recommended in Level 0 category by the DST based on the recommendation of FIST Advisory Board (FISTAB)

DAB.ECE.22.02.11:Discussion and Feedback from stakeholders

- Dr.G.Kulanthaivel appreciated the professional societies, achievements of the department.
- Alumni Mr.T.A.Bharathwaj expressed his happiness about the growth of the department which has moved to “Innovation ecosystem”. He informed that he is ready to support the department from the industry side.
- Ms. S.Radha, parent, expressed that she is happy with the department. She informed that all faculty members are motivating the students in their growth.
- Mr. Sai Prashanth expressed that the curriculum is interesting with the “Live in Lab " concept and will enable the students to do real time projects.
- Mr V. Srinivasan congratulated the department for the excellent curriculum proposed under Autonomous and commented that overall development of students is encouraging in curricular and extra-curricular and requested to motivate the students for better living.

Dr E.Priya summarized the points discussed in the meeting and apprised that discussion was fruitful and proposed the vote of thanks.

It was decided to conduct the next meeting tentatively during the last week of December, 2022.

Dr. G. Kulanthaivel
Professor- ECE
Assoc. Prof. & Head, ECE
Head, Center for International Affairs
NITTTR, Chennai

Mr.T.A.Bharathwaj
Principal Design Engineer
Microchip Technologies
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Ms.S.Devi
Director,
RAMSKAR Agencies Private Limited
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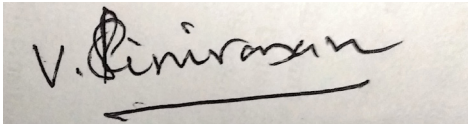

Mr.V. Srinivasan
Business Head-BFS,
Wipro
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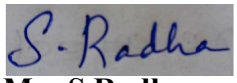

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