

OFFICE OF DEAN (ACADEMIC AFFAIRS)

Ref.: 959(C) /Dean (AA)/2023

Date: 21.09.2023

Employers Feedback Analysis Report for the Academic Year 2022-23

I) Preamble:

The Institution obtains feedback from employers through various forums viz. (i) through online portal (ii) through participation of employers in the various academic / statutory meetings such as Board of Studies (BoS), School Level Advisory Committee (SLAC), Academic Council etc. These feedbacks were collected and collated in the institute level and important suggestions / comments / remarks given by the employers for enhancing the curriculum & syllabi were considered for further course of action.

II) Participation of Employers in Academic and Statutory Meetings

Employers participated in various academic and statutory meetings, including BoS, SLAC, and Academic Council meetings during the June-July 2022 and December 2022-April 2023 sessions. Additionally, they participated in Academic Council meetings held on February 24, 2022, and September 29, 2022. The prominent employers and industry icons who participated in these academic and statutory meetings are as follows:

S. No.	Name of the Industry Expert	Industry Expert's Position	Statutory Committee	Department/ School
1.	Dr.V.Rajendran,	Director, M/S Hi-tech Concrete Solutions Chennai Pvt. Ltd., Chennai	BoS	Civil Engineering
2.	Mr.S.Kavin kumar	Director, EPMCR Private Limited, Chennai.	BoS	Civil Engineering
3.	Dr.Dyana Joseline	Assistant Manager, (QA/QC), L & T Heavy Civil Infrastructure, Chennai.	BoS	Civil Engineering
4.	Dr. Selvi Rajan	Former chief scientist, CSIR Lab, Taramani	BoS	Aerospace Engineering
5.	Mr.V.Sekar	Managing Director Formulated Polymers, Chennai	BoS	Polymer Engineering
6.	Mr. S. Arul Selvan	Delivery Manager – Mechanical	BoS	Polymer



S. No.	Name of the Industry Expert	Industry Expert's Position	Statutory Committee	Department/School
		Design Services, L&T Services, Chennai		Engineering
7.	Mrs.Sabitha Devi	Product Manager, Royal DSM, Chennai	BoS	Polymer Engineering
8.	Mr.Piramuthu Raja Ashok	Sr. Research Engineer Saint Gobain Pvt.Ltd, Chennai	BoS	Polymer Engineering
9.	Mr.M.S.Balasubra manian	Engineering Manager, Power transmission and Distribution, (International Division), Larsen & Toubro Ltd, Chennai	SLAC	Electrical & Electronics Engineering
10.	Mr. Ahmad Rizwan	IoT Design Engineer , Emerging systems	SLAC	Electrical & Electronics Engineering
11.	Ms. Anupamma	Senior System Engineer , Jasmin Infotech, Chennai	SLAC	ECE
12.	Mr.P.R. Santhosh	Senior Technical Consultant	SLAC	EIE
13.	Mr. Sheik Abdul Ayaz,	CEO, Enarxi solutions Pvt Ltd.,	BoS	Electrical & Electronics Engineering
14.	Dr. Madan Kumar Lakshmanan	Senior Scientist , CSIR – CEERI Pilani, Chennai center	BoS	Electronics & Communication Engineering
15.	Mr. Afaaq Imran	System Specialist, Ericsson, Chennai.	BoS	Electronics & Communication Engineering
16.	Mr.M.Guruprath	Managing Partner, Smarta Opti Solutions, Chennai	BoS	Electronics & Instrumentation Engineering
17.	Mr.Ganesa	Managing Director, Technology, Ostara Research, Chennai	BoS	Electronics & Instrumentation Engineering
18.	Mr.S.Rajkumar	Director, Technology, Ostara Research, Chennai	BoS	Electronics & Instrumentation Engineering
19.	Mr. Khuzema Siamwala	CEO, Siam Computing, Chennai	BoS	Computer Science & Engineering
20.	Mr.Parthasarathy Paloor Tarachand	Associate Director Cognizant Technologies Pvt Ltd.,	Bos	Computer Science & Engineering
21.	Mr.Yuvaraj D	Senior Technical lead, NEC Corporation India Pvt Ltd., Chennai	Bos	Computer Science & Engineering
22.	Mr. M. Valluvan,	CEO, Vyasaka Technologies Pvt Ltd, Plot No. 5179, Ram Nagar	BoS	Information Technology



S. No.	Name of the Industry Expert	Industry Expert's Position	Statutory Committee	Department/School
		North Extn, 8th Street, Puzhuthivakkam, Chennai – 91		
23.	Mr. Srihari Sridharan,	Thought work Technologies, International Tech Park, Taramani	BoS	Information Technology
24.	Mr. S. BharaniDharan,	Project Lead, Accenture	BoS	Computer Applications
25.	Mr. S. Gopinath,	Senior Technical Director, National Informatics Centre, Ministry of Electronics and Information Technology, Govt. of India.	BoS	Computer Applications
26.	Dr. V. Maroudam,	Scientist, Translational Research Platform for Veterinary Biologicals (TRPVB), TANUVAS, Chennai.	BoS	School of Life Sciences
27.	Dr. Savithri Shivakumar,	Aaranya biosciences, Chennai.	BoS	School of Life Sciences
28.	Ar. Kavitha Selvaraj,	Director, CRN Architects, Chennai	BoS	Crescent School of Architecture
29.	Ar. Siva.Anbarasan,	Anbu & Faizal Architect & Interior Designers, Chennai.	BoS	Crescent School of Architecture
30.	Mr.Pandi Alagu Raja M	AGM HR, Segula Technologies, Chennai	Bos	Management Studies
31.	Mr. R.Sabarikanth	CEO, Optilase Pvt. Ltd. Chennai 53.	BoS	Physics
	Mr.G.M. Srinivasan	Managing Director, Galliovasan Offshore Research and Development (p) ltd Nagapattinam	BoS	Physics
32.	Dr. B.Balasundaram,	Vice President and Head-Technical services, Pharmazell Pvt. Ltd.	BoS	Chemistry
33.	Mr.Idris	Advocate Constitutional Expert and civil Services Examination Trainer.	Bos	Public Policy
34.	CA.Vijay Stephen	Partner, A.John Moris and Co	Bos	Commerce
35.	Dr.Syed Shaukath Hussain	Director (Administration), AFCIL Industries, Chennai 600 012.	BoS	Commerce
36.	Mr.Mohammed Sa miuddin	South India – Head, Learning Links Foundation, ETS, TOEFL, IBT	BoS	English
37.	Mr. Kevin Harold Jude coyne	Key Accounts Manager, South Asia, Cambridge University press and Assessment.	BoS	English
38.	Mr. Newton Reginald	G.M. IPR India Filing (P) Ltd - Academic Expert, Chetpet, Chennai	BoS	Public Policy



S. No.	Name of the Industry Expert	Industry Expert's Position	Statutory Committee	Department/School
39.	Hon'ble Justice G.M. Akbar Ali	Justice Retd. High Court of Tamil Nadu	BoS	Crescent School of Law
40.	Hon'ble Justice. K.N. Basha	Justice Retd. High Court of Tamil Nadu	BoS	Crescent School of Law
41.	Mr. N.Thiyagarajan,	Process Data Engineer, Shell Business Operations, Chennai	SLAC	School of Electrical & Communication Sciences
42.	Mr. Fahad Ayub	Automation Engineering, PHP Power and Automation	SLAC	School of Electrical & Communication Sciences
43.	Mr.V.Abishek	Embedded and cloud Engineer, Denvik Technology	SLAC	School of Electrical & Communication Sciences
44.	Mr.Mohammed Arshad	Designation developer , TCS Private Ltd.,	SLAC	School of Electrical & Communication Sciences
45.	Mr.Shaik Abdul Ayaz,	CEO Enarxi Innovations Private Limited, Chennai	SLAC	School of Electrical & Communication Sciences
46.	Mr.Shahir P	Project Engineer-TI - Nokia Networks, Cochin.	SLAC	School of Electrical & Communication Sciences
47.	Ms. Padmavathi R	Project Manager, Jasmin Infotech Pvt. Ltd., Chennai	SLAC	School of Electrical & Communication Sciences
48.	Mr Ganesa,	Managing Director, Keystone Automation solutions private limited, Chennai	SLAC	School of Electrical & Communication Sciences
49.	Mr. C. Balasubramaniam,	Director, Akash Instruments, Chennai.	SLAC	School of Electrical & Communication Sciences
50.	Mr. K. Sethu Raman,	Founder & Director, PragITech Private Limited, Chennai	SLAC	School of Computer, Information &



S. No.	Name of the Industry Expert	Industry Expert's Position	Statutory Committee	Department/School
				Mathematical Sciences
51.	Mr. V. Muralidharan,	Associate Manager, Kaar Technologies, Chennai	SLAC	School of Computer, Information & Mathematical Sciences
52.	Mr. Malav JayDevBhai Patel	Data Engineer, Gavs technologies	SLAC	School of Computer, Information & Mathematical Sciences
53.	Mr. Victor Sunder raj	Senior lead Principal, Infosys spring board	SLAC	School of Computer, Information & Mathematical Sciences
54.	Sathish Krishnan	Country head, Gibraltar Technologies	SLAC	School of Computer, Information & Mathematical Sciences
55.	Mr. Arogiya Victor Paul	Application Development and team lead, Accenture solutions pvt ltd, Bangalore	SLAC	School of Computer, Information & Mathematical Sciences
56.	Mr. V.R. Kumar	Higher grade assistant (Rt.d), LIC	SLAC	School of Computer, Information & Mathematical Sciences
57.	<u>Dr. S. Vasantha Kumar</u>	Deputy Manager/Scientist, Onco Formulations Pfizer Helath Care India Ltd., Sriperambadur - 602109	BOS	Crescent School of Pharmacy
58.	Mr. Kavin Kumar,	Director, EPMCR, Chennai	IQAC	
59.	Mr. R. Tamil Selvan	Zone Chairman, PMJF Lion, Lions District	IQAC	
60.	Dr. B. Suresh	CEO, M/s. Mahindra Consulting Engineers, Chennai	Academic Council	
61.	Mr. Siva Sankara Prasad Thupalli,	M/S Jasmine Infotech Pvt Ltd, Chennai	Academic Council	
62.	Mr. Anantharaman	Vice president, (production	Academic	

S. No.	Name of the Industry Expert	Industry Expert's Position	Statutory Committee	Department/ School
	Prakash	Engineering) Renault Nissan Technology & Business Center India Pvt. Ltd.,	Council	
63.	Dr.M. Saravanan,	Principal Researcher, - Ericson Research Artificial Intelligence & Machine Learning Group, Ericsson India Global services, Chennai.	Academic Council	

The employers' feedback on curriculum structure, syllabi of courses and introduction of new courses and other academic were deliberated in the respective forums and accordingly noted for further course of action.

Annexure I: Sample minutes of BoS and Academic Council - participation of employers.

The salient suggestions / modifications given by employers in the above forums are as follows:

- Updating course syllabi to match current knowledge levels
- Introducing courses in emerging technologies
- Starting new programs based on market demand
- Emphasizing application-oriented curriculum and syllabi

III. Feedback from Institution Website

The following parameters were emphasized in the feedback:

Part I - Work related skills

- General communication skills
- Developing practical solutions to rectify problems
- Creative in response to workplace challenges
- Self-motivated and taking on appropriate level of responsibility
- Using technology for growth of organization and workplace equipment
- Technical knowledge / Skill
- Innovativeness, creativity
- Involvement in social activities

- General Attitude
- Working as part of a team
- Planning and Organization skills
- Open to new ideas and learning new techniques
- Ability to contribute to the goal of the organization
- Ability to manage/leadership qualities
- Relationship with seniors / peers / subordinates
- Ability to take up extra responsibility

Part II – Programme related skills

- Curriculum of programme is relevant for Employability
- Syllabus of courses effective in developing skill oriented human resources
- Please rate attainment of programme outcomes (Based on student's performance)
- Your Feedback about Curriculum (courses in the programme) and suggestions for new courses to be introduced
- Curriculum effective in developing innovative thinking
- Effectiveness of curriculum for development of entrepreneurship
- Please rate attainment of course outcomes (Based on student's performance)
- Industry Institute Interaction

Annexure II : Template of Employers Feedback form

IV Salient suggestions from the employers during campus recruitment

The Career Development Cell of our institute diligently gathers feedback from employers during campus recruitment, aiming to gauge the caliber of our students. Recruiters provide valuable insights across various parameters, including written assessments, proficiency in English language, performance in group discussions, and impressions made during personal interviews.

The suggestions provided for the betterment of students are as follows:

- **Improve Communication:** Focus on enhancing both verbal and written communication skills.
- **Strengthen Technical Proficiency:** Emphasize revising basic networking, system design, DBMS, data structures, and OOP.
- **Foster Critical Thinking:** Encourage logical thinking and problem-solving abilities.
- **Enhance Professionalism:** Stress the importance of discipline, patience, and proper interview conduct.
- **Increase Industry Exposure:** Organize more industrial visits, internships, and live projects for practical experience.
- **Develop Soft Skills:** Provide training in teamwork, presentation, and hospitality.
- **Solidify Engineering Fundamentals:** Ensure a thorough understanding of basic engineering concepts and their practical application.
- **Cultivate Career Interest:** Promote enthusiasm for technical roles and engineering fundamentals among students.
- **Provide Comprehensive Support:** Offer guidance on interview techniques and handling customer requirements.



Dean, Academic Affairs

DEAN (ACADEMIC AFFAIRS)
B.S. Abdur Rahman Crescent Institute of
Science & Technology
Vandalur, Chennai - 600 048. India.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

14.07.2022

Minutes for the Twenty Third Meeting of the ECE Board of Studies

Mode of meeting: Blended Mode

Date & Time: 13.07.2022, 10.30 a.m.

Venue : ECE Seminar Hall

Link address: <https://meet.google.com/vzn-ksuj-osf>

Dr.C.Tharini, HOD/ECE welcomed the BOS members for the Twenty Third Meeting of the ECE Board of Studies. The meeting was held in ECE Seminar hall with all the internal and external BoS members in hybrid mode. The meeting started with the presentation of B.Tech ECE Regulation 2021 curriculum structure approved in the 21st BoS meeting.



Dr.C.Tharini, HOD/ECE addressing the BoS members and presenting the agenda

In continuation the following agenda items was presented in the meeting.

The following PEO and PSO of B.Tech ECE R2021 was presented.

- **PEO 1:** Solve real world problems in Electronics and Communication Engineering with acquired knowledge in Basic Sciences and Engineering.

- **PEO 2:** Become a creative, innovative and successful professional Engineer, Entrepreneur in core and related engineering disciplines both nationally and internationally.
 - **PEO 3:** Demonstrate professional, ethical behavior and engage in lifelong learning to develop socially relevant products
 - **PEO 4:** Pursue Higher Education to choose career path in teaching and research.
 - **PEO 5:** Attain leadership roles in industry and capable of handling large cross-functional teams.
 - **PSO1:** Design and develop Electronics and communication subsystem to address complex engineering problems.
 - **PSO2:** Analyze and evolve solutions using signal processing, communication, networking, VLSI and embedded systems for contemporary applications.
 - **PSO3:** Apply modern tools and appropriate techniques to work as an individual/team in multi-disciplinary domains.
1. V, VI, VII and VIII semester course Syllabus (Core and professional elective Courses) of B.Tech. ECE, Regulation 2021.
 2. The following salient features of M.Tech VLSI and Embedded System was presented
 - Total no credits 80
 - Introduced “Embedded Linux” as a core course with laboratory integrated
 - Outcome based Education
 - Stipend during study period
 - Flexible Curriculum with Choice Based Credit System(CBCS)
 - Mandatory Internship in Government/Private organizations
 - Value Added course is made mandatory
 - Excellent Infrastructure with exclusive Industry standard labs for PG
 - Laboratory Integrated courses
 - Credit transfer from MOOC/SWAYAM/NPTEL
 - Students can choose interdisciplinary Open Elective Courses
 - Final semester is fully allocated for Project Work

Further HoD/ECE presented the following items in the BoS meeting

1. M.Tech VLSI and Embedded System curriculum structure and syllabus under R2022 curriculum.
2. The PEO and PSO of M.Tech VLSI and Embedded System R2022
 - **PEO 1:** To design and solve problems in Analog, Digital & Mixed Signal VLSI system design, VLSI Signal Processing, Real Time Embedded System design and Hardware Software Co-Design
 - **PEO 2:** To apply the knowledge of software and hardware tools related to the design and implementation of integrated Circuits, Systems for real time embedded applications
 - **PEO 3:** To carry out research in various domains and to work in the VLSI and Embedded Systems related industries
 - **PEO 4:** To work effectively as a team and manage projects in multidisciplinary environments.
 - **PSO1:** Be able to analyze, design and implement Analog, Digital and Mixed Signal Circuits and real time embedded systems
 - **PSO 2:** Have in-depth knowledge and capability to use industry standard tools in the design and implementation of VLSI and real time Embedded Systems.
 - **PSO 3:** Be able to undertake research projects and work as a team in the related domains of VLSI and Embedded systems.
3. Professional elective course offered by the ECE department to the **B.Tech. EEE** under R2021 Curriculum.
4. Regular core course offered by the ECE department to the **B.Tech. EIE** under R2021 Curriculum.
5. Core and Professional elective courses offered by the ECE department to the **B.Tech IT** under R2021 Curriculum
6. Open Electives offered from ECE to other **Engineering courses**
7. Open Electives offered from ECE to "**ARTS and Science**" branches
8. Approval of the equivalent courses offered from SWAYAM for the B.Tech ECE Programme.

HOD requested the suggestions from the BoS committee members.

The HoD/ECE presented the following agenda items for the BoS members suggestions

Item 23.1

- To consider and confirm the minutes of 22ndBOS of ECE Department conducted on 14.12.2021, 2.30 pm through online, 'meet.google.com/dir-xjpx-khf'

Note on Agenda

Twenty second Meeting of ECE Board of studies held on 14.12.2021, 2.30 pm through online link, 'meet.google.com/dir-xjpx-khf'. The minutes of meeting was communicated to all members and accepted by the members.

The BoS members confirmed the minutes of the "Twenty second meeting" of the ECE Board of Studies held on 14.12.2021 conducted through online mode.

Item 23.2

- To consider and approve the V, VI, VII and VIII semester course Syllabus (Core and Professional Elective Courses) of B.Tech. ECE and Curriculum of Regulation 2021

Note on Agenda

As part of major revision of B.Tech ECE Regulation 2021, the syllabus of V, VI, VII and VIII semester core and professional elective course syllabus were framed based on the feedback received from faculty, alumni and experts from Industries.

The suggestions made by the BoS members are listed below:

- The core course "ECD 3102 Digital Communication and Information Theory" offered in V semester can be renamed as "**ECD 3102 Digital Communication**" based on the course content.
- **Dr. M D Selvaraj, (Academic Expert), IIITDM**, suggested that, in "ECD 3102 Digital Communication" course, the spread spectrum topic proposed in module V can be added with synchronization techniques . The topic like "block codes, convolution codes, receiver part and synchronization" can be added in the module V.
- **Dr. Madan Kumar Lakshmanan, (Industry Expert), CSIR**, also suggested to include 5G concepts and the information theory module can be elaborated in ECD 3102 Digital Communication.

- The laboratory course “**ECD3106 Analog and Digital Communication laboratory**”, the experiments related to “spread spectrum” can be removed.

It was suggested from **SLAC** meeting held on 06-07-2022, Dr.M.Kannan Professor/ECE MIT, Chennai insisted to include “**Wireless Communication**” as a core course in R2021 curriculum. This was brought in to 23rd BoS meeting for further discussion.

Also **Mr. Afaaq Imran,(Industry Expert),System Specialist, Ericsson** pointed the role of wireless communication in the Industry and its importance.

Hence the course **ECD 4101 Wireless Communication** is included in the VII semester of B.Tech ECE R21 curriculum.

Suggestions given by **Dr. Malathi Kanagasabai, (Academic Expert)**, Professor, Department of Electronics and Communication Engineering, Anna University, Chennai, are listed below;

- The core course ECD 3201 Microwave Engineering proposed in VI sem can be shifted to RF Communication and Signal Processing professional elective stream as **ECDX 042 Microwave and RF Engineering**.
- The core course ECD 4101 Antennas and Wave propagation proposed in VII sem can be shifted to the VI sem as **ECD 3201 Antennas and Wave propagation**
- The laboratory course ECD 3202 Microwave and Optical Communication Laboratory proposed in VI semester can be renamed as **ECD 3202 High Frequency Communication Laboratory**
- The new core course **ECD 4101 Wireless Communication** can be offered in VII semester as a regular course.



Discussion with BoS members in 23rdBoS meeting

Dr. M D Selvaraj, (Academic Expert), suggested the following professional elective courses can be offered as a **laboratory integrated courses**

- **ECDX 005 Image Processing**
- **ECDX 006 Introduction to Artificial Intelligence**

Dr. Madan Kumar Lakshmanan, (Industry Expert), suggested to

- Include “case studies” and mention the “open source software” in the course **ECDX 006 Introduction to Artificial Intelligence**. Also the laboratory experiments can be used with Arduino, Raspberry pi, Jetson Nano boards etc.
- Include GPU and CUDA programming
- Include the topic “PPG signal processing” in **ECDX 009 Biomedical signal processing**
- Include the industry standards in **ECDX 034 MIMO Communication**

Dr. Malathi Kanagasabai, (Academic Expert), suggested the following professional elective courses under Automotive Electronics and Robotics stream can be offered in coordination with Affiliate faculty/ Industry experts as it involves mechanical concepts.

- **ECDX 014 Fundamentals of Automotive Electronics**
- **ECDX 058 Industrial Robotics**
- **ECDX 059 AI for Robotics**

Further BoS members suggested that the following professional elective courses can be removed from R21 B.Tech ECE curriculum.

- **ECDX 028 Essential Mathematics for Machine learning**
- **ECDX 030 Sensors and Sensor Circuit Design**
- **ECDX 032 Soft Computing techniques for Automotive applications**
- **ECDX 049 AI for VLSI**

The above suggestions made by the BoS members were incorporated in the B.Tech ECE R21 curriculum.

The committee deliberated and approved the syllabus of V, VI, VII and VIII semester course Syllabus (Core and Professional Elective Courses) of B.Tech. ECE, Regulation 2021 and the same is included in **ANNEXURE I and ANNEXURE II**.

The Academic Council of the institute may consider and approve the agenda item 23.2.

Item 23.3

- **To consider and approve the M.Tech VLSI and Embedded System curriculum structure and syllabus under R2022 curriculum.**

Note on Agenda

M.Tech VLSI and Embedded System curriculum structure and syllabus under R2022 curriculum was presented for approval.

The suggestions made by the BoS members are listed below:

- Dr. Malathi Kanagasabai, (Academic Expert) suggested to include the course **“ECEY063 Electromagnetic interference and compatibility”** under VLSI Design professional elective.
- Dr S Kaja Mohideen Sr.Professor insisted to specify the name of the digital circuit to be designed in the Digital VLSI design laboratory.

The above suggestions made by the BoS members were incorporated in the M.Tech VLSI & Embedded System R22 curriculum.

The committee deliberated and approved the syllabus of “M.Tech VLSI and Embedded System” core and professional elective courses and the same is included in **ANNEXURE III**.

The Academic Council of the institute may consider and approve the agenda item 23.3.

Item 23.4

- **To consider and approve the Professional elective course offered by the ECE department to the B.Tech. EEE under R2021 Curriculum.**

Note on Agenda

The following professional elective of the Regulation2021 of B.Tech EEE programme was presented for the approval

- **ECDX011 ARM Architecture and Programming**

The committee deliberated and approved the syllabus of ECDX 011 ARM ARCHITECTURE AND PROGRAMMING professional elective course and the same is provided in **ANNEXURE IV**.

The Academic Council of the institute may consider and approve the agenda item 23.4

Item 23.5

- **To consider and approve the Regular course offered by the ECE department to the B.Tech. EIE under R2021 Curriculum.**

Note on Agenda

The following regular and elective courses of Regulation 2021 of B.Tech EIE programme were presented for the approval

- **ECD3182 Communication Engineering**
- **EID3201 Embedded System and RTOS**
- **EIDX043 Wireless sensor networks**
- **EIDX047 VLSI Design**
- **EIDX048 Advanced Digital Signal Processing**
- **EIDX050 Digital Image Processing**

The committee deliberated and approved the syllabus of ECD3182 Communication Engineering regular course and the same is provided in **ANNEXURE V**.

The Academic Council of the institute may consider and approve the agenda item 23.5

Item 23.6

- **To consider and approve the courses offered by the ECE department to the B.Tech. IT under R2021 Curriculum.**

Note on Agenda

The following courses of Regulation 2021 of B.Tech IT programme was presented for the approval

- **ECD3181 Signals and Systems**
- **ECDX084 Embedded System**
- **ECDX085 5G Technology**

The committee deliberated and approved the syllabus of “**ECD 3181, ECDX 084 & ECDX 085**” courses and the same is provided in **ANNEXURE VI**.

The Academic Council of the institute may consider and approve the agenda item 23.6

Item 23.7

9. To consider and approve Open Electives offered from ECE to other Engineering courses

Note on Agenda

The following open elective courses of Regulation 2021 of B.Tech programme was presented for the approval

- **GEDX 205 Consumer Electronics**
- **GEDX 214 Internet of Things and Its Applications**
- **GEDX 117 Image Processing and Its Applications**
- **GEDX 113 Emerging Technologies in Mobile Networks**

The committee deliberated and approved the syllabus of “GEDX205 Consumer Electronics, GEDX214 Internet of Things and Its Applications, GEDX117 Image Processing and Its Applications & GEDX113 Emerging Technologies in Mobile Networks ”courses and the same is provided in **ANNEXURE VII**.

The Academic Council of the institute may consider and approve the agenda item 23.7.

Item 23.8

10. To consider and approve Open Electives offered from ECE to ARTS and Science

Note on Agenda

The following open elective courses of Regulation 2021 of ARTS and Science programme was presented for the approval

- **GEDX302 AI for Ecommerce**
- **GEDX309 Consumer Electronics**
- **GEDX 321 Internet of Things and Its Applications**

The committee deliberated and approved the syllabus of “GEDX321 Internet of Things and Its Applications and “GEDX302 AI for eCommerce” courses and the same is provided in **ANNEXURE VIII**.

The Academic Council of the institute may consider and approve the agenda item 23.8

Item 23.9

- To consider and approve the course equivalency of NPTEL/Swayam courses for the credit transfer of B.Tech programme

Note on Agenda

The syllabus of the following five courses offered from NPTEL/ Swayam was presented before the committee members. The members approved the following courses are equivalent with the B.Tech UG courses for the credit transfer.

- **CS95 - Introduction To Industry 4.0 And Industrial Internet Of Things**
- **CS124 - Deep Learning**
- **CS88 - Computer Architecture and Organization**
- **EE86 - Image Signal Processing**
- **CS102 - Programming in Java**

The committee deliberated and approved the course equivalency of **CS95, CS124, CS88, EE86 and CS102** of B.Tech ECE programme and provided in **ANNEXURE IX**

The Academic Council of the institute may consider and approve the agenda item 23.9



14.07.2022




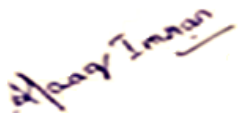
Dr.C.Tharini
Chairman, BoS

Enclosure:






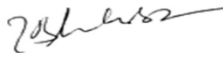


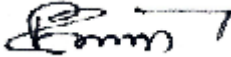
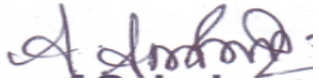






Annexure I	B.Tech ECE R21 Curriculum
Annexure II	Syllabi of semester V , VI, VII and VIII core and professional elective courses of B.Tech ECE Regulation 2021 (with SDG mapping)
Annexure III	Curriculum and syllabus of M.Tech VLSI and Embedded System under R2022 curriculum
Annexure IV	Syllabi of professional elective course offered by the ECE department to the EEE department under B.Tech EEE Regulation 2021 (with SDG mapping)
Annexure V	Syllabi of regular course offered by the ECE department to the EIE department under B.Tech EIE Regulation 2021 (with SDG mapping)

Annexure VI	Syllabi of courses offered by the ECE department to the IT department under B.Tech IT Regulation 2021 (with SDG mapping)
Annexure VII	Syllabi of Open Electives course offered by the ECE department to other Engineering courses
Annexure VIII	Syllabi of Open Electives course offered by the ECE department to ARTS and Science
Annexure IX	course equivalent mapping - Credit Transfer from NPTEL/Swayam courses.

External Members:

Sl.No	Name and Designation	Approval/Signature
1.	Dr. Malathi Kanagasabai, Professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai.	 14.07.2022
2.	Dr. M D Selvaraj, Associate Professor, Electronics Engineering, IIITD&M, Kancheepuram, Chennai - 600 127	 14.07.2022
3.	Dr. Madan Kumar Lakshmanan, Senior Scientist, CSIR-CEERI Pilani, Chennai Center.	 14.07.2022
4.	Mr. Afaaq Imran, System Specialist, Ericsson, Chennai.	 14.07.2022

Internal Members

1. Dr. C. Tharini	Professor and Head	
2. Dr.D.Najumnissa Jamal	Professor and Dean(SECS)	
3. Dr. S. KajaMohideen	Sr. Professor	
4. Dr.P.K.Jawahar	Professor	
5. Dr. M. Mohamed Ismail	Professor	
6. Dr. B. Vijayalakshmi	Professor	
7. Dr. G. Kannan	Associate Professor	
8. Mr. H. Hasan Babu	Assistant Professor (Sr.G)	
9. Dr. Parnashree Chakraborty	Assistant Professor (Sr.G)	
10. Ms. A. Ambika	Assistant Professor (Sr.G)	
11. Ms. M. Padma Usha	Assistant Professor (Sr.G)	
12. Mr. R. Iniyavan	Assistant Professor (Sr.G)	
13. Dr. M. Vanmathi	Assistant Professor (Sr.G)	
14. Dr. S. Kalaivani	Assistant Professor (Sr.G)	
15. Dr. K. Indra Gandhi	Assistant Professor (Sr.G)	
16. Ms. B. Sivashanmugavalli	Assistant Professor	



Dr. C.Tharini
Chairman BoS/ECE

Employers Feedback

Annexure II: Template of Employers Feedback form

Dear Employer,

We are Thankful to you for providing many of our graduates with employment in your prestigious Company/Organization. We shall very much appreciate and be grateful to you if you could spare some of your valuable time to fill up this feedback form. It will help us to improve the Institution further and give you best employees in future.

Name of the Employer*

Address of the Employer*

Employer Contact No:*

Employer Mail ID*

Name of the Firm / Company*

Name and Designation of the Respondent*

Part I - Work related skills

General communication skills

General Attitude

Developing practical solutions to rectify problems

Working as part of a team

Creative in response to workplace challenges

Planning and Organization skills

Self-motivated and taking on appropriate level of responsibility

Select



Open to new ideas and learning new techniques

Select



Using technology for growth of organization and workplace equipment

Select



Ability to contribute to the goal of the organization

Select



Technical knowledge / Skill

Select



Ability to manage/leadership qualities

Select



Innovativeness, creativity

Select



Relationship with seniors / peers / subordinates

Select



Involvement in social activities

Select



Ability to take up extra responsibility

Select



Part II – Programme related skills

Curriculum of programme is relevant for Employability

Select



Curriculum effective in developing innovative thinking

Select



Syllabus of courses effective in developing skill oriented human resources

Select



Effectiveness of curriculum for development of entrepreneurship

Select



Please rate attainment of programme outcomes (Based on student's performance)

Please rate attainment of course outcomes (Based on student's performance)

Your Feedback about Curriculum (courses in the programme) and suggestions for new courses to be introduced

Industry Institute Interaction

Your opinion about Curriculum (courses in the programme) and suggestions for new courses to be introduced

Any other suggestions

B V 6 D

Submit