



SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service : SNR Sons Charitable Trust]

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MINUTES OF THE 23rd BOARD OF STUDIES MEETING FOR THE UG B.E. ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD ON 26th MARCH 2026 AT 03:00 PM THROUGH ONLINE MODE.

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr. E. S. Gopi Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli.	University Nominee
3.	Dr.V.P. Harigovindan Professor/ECE and Dean (Planning & Development), National Institute of Technology, Puducherry.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr.G.Srivatsun Associate Professor/ECE, PSG College of Technology, Coimbatore.	Subject Expert from Parent University
5.	Dr.Selvakumar Ramasethu Senior Principal Solutions Engineer, Cadence Design Systems, Bengaluru	Industry Expert
6.	Ms.Kanaga Durga Deenadayalan Cluster Lead & Senior Software Engineer Function Owner for Honda Projects, Bosch Global Software Technologies, Coimbatore	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE and Dean - Academics, SREC	Member
8.	Dr.H.Mangalam, Professor/ECE and Dean - Administration, SREC	Member
9.	Dr.G.Gopu, Professor/ECE, SREC	Member
10.	Dr.B.Nataraj, Associate Professor/ECE and Associate Dean – Academics, SREC	Member

11.	Dr.C.S.Manikandababu, Associate Professor/ECE and DCoE, SREC	Member
12.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
13.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
14.	Dr. K.R.Prabha, Associate Professor/ECE and BoS Coordinator, SREC	Member
15.	Dr.M.Kasiselvanathan, Associate Professor/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Associate Professor/ECE, SREC	Member
17.	Dr.S.Rangeetha, Assistant Professor(Sl.G)/ECE,SREC	Member
18.	Dr.R.Karthikamani, Assistant Professor(Sl.G)/ECE,SREC	Member
19.	Mr.T.Rajasekar, Assistant Professor(Sr.G)/ECE, SREC	Member
20.	Mr.M.Selvaganesh Assistant Professor (Sr.G)/ECE, SREC	Member
21.	Mr.P.Mohanraj, Assistant Professor(Sr.G)/ECE, SREC	Member
22.	Dr.K.Balamurugan, Associate Professor/EEE, SREC	Member
23.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the Online meeting and welcomed all the members to the **23rd BoS meeting**. Chairperson disseminated the Vision, Mission, PO, PSO & PEO of the Department. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2022, 2023 & 2024.

ITEM – II

It is resolved that Regulations 2025 (Outcome based Curriculum through Choice based Credit System) will be followed for all B.E./B.Tech/M.Tech(Int). programmes for students admitted in the Academic year 2025 and onwards be approved and passed..

Minimum number of Credits to be earned for the successful completion of B.E./B.Tech. Programmes for

- Regular candidates (4 years) : 161 credits
- Lateral Entry candidates (3 years) : 120 credits

ITEM – III

It is resolved that the R2025 Curriculum for the V and VI Semester be approved and passed.

Semester wise Credit Distribution – R 2025 (NEP Aligned)

Category	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem	Total Credits
HSSMC	4	3				3	2		12
BSC	6	8	4						18
ESC	11	3	6						20
PCC		4	8	11	11	9	7		50
OEC				3	3				6
PEC				3	3	3	6	3	18
MMC					3	3	3		9
AEC		2	2	2					6
SEC			2			2			4
VAC				2	2				4
LAC						2			2
ELC				2	2			8	12
Total	21	20	22	23	24	22	18	11	161

Semester I

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25MA2102	Algebra, Differential Calculus and Transform	BSC	3	1	0	4
2.	25PH2101	Applied Materials Science	BSC	2	0	0	2
3.	25EC2100	Electric Circuits	ESC	3	0	0	3
4.	25EC2101	Electrical Technology	ESC	3	0	0	3
5.	25TA2100	Heritage of Tamils - தமிழர் மரபு	HSSMC	1	0	0	1
THEORY CUM LABORATORY							
6.	25EN2150	Business and Corporate Communication	HSSMC	2	0	2	3
7.	25CS2151	C Programming	ESC	2	0	2	3
PRACTICALS							

8.	25EC2170	Electric Circuits Laboratory	ESC	0	0	2	1
9.	25ME2171	Computer Aided Engineering Graphics Laboratory	ESC	0	0	2	1
Total							21

Semester II

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25HS2101	Social Science Course (Indian Knowledge Systems)	HSSMC	2	0	0	2
2.	25TA2101	Tamils and Technology – தமிழரும் தொழில்நுட்பமும்	HSSMC	1	0	0	1
3.	25MA2106	Integral Calculus, Fourier Series and Transforms	BSC	3	1	0	4
4.	25CH2105	Electrochemical Science	BSC	2	0	0	2
5.	25BM2101	Neuroscience	BSC	1	0	0	1
6.	25EC2102	Electronic Devices and Circuits	PCC	3	0	0	3
THEORY CUM LABORATORY							
7.	20IT2150	Python Programming	ESC	2	0	2	3
PRACTICALS							
8.	25BS2171	Physical Sciences Laboratory	BSC	0	0	2	1
9.	25EN2170	Ability Enhancement Course 1 Functional English	AEC	0	0	4	2
10.	25EC2171	Electronic Devices and Circuits Laboratory	PCC	0	0	2	1
Total							20

Semester III

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25MA2112	Probability, Random Processes and Statistics	BSC	3	1	0	4
2.	25EC2103	Electromagnetics	ESC	3	0	0	3
3.	25EC2104	Digital Logic and System Design	PCC	3	0	0	3
4.	25EC2201	Analog Circuits	PCC	3	0	0	3
5.	25XX2XXX	Ability Enhancement Course 2	AEC	2	0	0	2
6.	25EC22XX	Skill Enhancement Course 1	SEC	2	0	0	2
THEORY CUM LABORATORY							
7.	25CS2261	Data Structures and Algorithms	ESC	2	0	2	3

PRACTICALS							
8.	25EC2172	Digital Logic and System Design Laboratory	PCC	0	0	2	1
9.	25EC2271	Analog Circuits Laboratory	PCC	0	0	2	1
Total							22

Semester IV

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25EC2202	Signals and Systems	PCC	3	0	0	3
2.	25EC2203	Digital CMOS VLSI Systems	PCC	3	0	0	3
3.	25EC2204	Microcontrollers and RISC Processor	PCC	3	0	0	3
4.	25XX2XXX	Open Elective 1	OEC	3	0	0	3
5.	25EC2XXX	Professional Elective 1	PEC	3	0	0	3
6.	25XX2XXX	Ability Enhancement Course 3	AEC	2	0	0	2
7.	25XX2XXX	Value Added Course 1	VAC	2	0	0	2
PRACTICALS							
8.	25EC2272	Digital CMOS VLSI Systems Laboratory	PCC	0	0	2	1
9.	25EC2273	Microcontrollers Laboratory	PCC	0	0	2	1
10.	25EC2274	Mini Project	ELC	0	0	4	2
Total							23

Semester V

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25EC2301	Communication Theory	PCC	3	0	0	3
2.	25EC2302	Digital Signal Processing	PCC	3	0	0	3
3.	25XX2XXX	Open Elective 2	OEC	3	0	0	3
4.	25EC2XXX	Professional Elective 2	PEC	3	0	0	3
5.	25XX2XXX	Value Added Course 2	VAC	2	0	0	2
THEORY CUM LABORATORY							
6.	25EC2351	Embedded Systems	PCC	2	0	2	3
7.	25XX2XXX	Multidisciplinary Course 1	MDC	2	0	2	3
PRACTICALS							
8.	25EC2371	Analog and Digital communication Laboratory	PCC	0	0	2	1
9.	25EC2372	Digital Signal Processing Laboratory	PCC	0	0	2	1
10.	25EC2373	Multidisciplinary Project	ELC	0	0	4	2
Total							24

Semester VI

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25HS2XXX	Management Course 1 (Fundamentals of Management for Engineers/ Engineering Project Management /Total Quality Management)	HSSMC	3	0	0	3
2.	25EC2303	Transmission Lines and Waveguides	PCC	3	0	0	3
3.	25EC2304	Computer Communication Networks	PCC	3	0	0	3
4.	25EC2XXX	Professional Elective 3	PEC	3	0	0	3
5.	25EC2XXX	Skill Enhancement Course 2	SEC	2	0	0	2
6.	25XX2XXX	Liberal Arts Course	LAC	2	0	0	2
THEORY CUM LABORATORY							
7.	25EC2352	Control Systems Engineering	PCC	2	0	2	3
8.	25XX2XXX	Multidisciplinary Course 2	MDC	2	0	2	3
Total							22

Semester VII

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25HS2XXX	Management Course 2 (Economics for Engineers/ Entrepreneurship/Professional Ethics)	HSSMC	2	0	0	2
2.	25EC2305	Antennas and Microwave Engineering	PCC	3	0	0	3
3.	25EC2XXX	Professional Elective 4	PEC	3	0	0	3
4.	25EC2XXX	Professional Elective 5	PEC	3	0	0	3
THEORY CUM LABORATORY							
5.	25EC2353	Wireless Communication	PCC	2	0	2	3
6.	25XX2XXX	Multidisciplinary Course 3	MDC	2	0	2	3
PRACTICALS							
7.	25EC2374	Antennas and Microwave Engineering Laboratory	PCC	2	0	2	1
Total							18

Semester VIII

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25EC2XXX	Professional Elective 6	PEC	3	0	0	3
PRACTICALS							
2.	25EC471	Project Work	ELC	0	0	12	6
3.	25EC2XXX	Internship / Field Project Evaluation /Live in Lab / GATE / GRE / IELTS / PSUs	ELC	0	0	0	2
Total							11

ITEM IV

It is resolved that the ratification of Course titles passed in the 22nd Board of Studies under Regulation 2025 be approved and passed.

S.No	Old Course Title	New Course Title
1.	Digital System Design	Digital Logic and System Design
2.	Digital System Design laboratory	Digital Logic and System Design Laboratory

ITEM V

It is resolved that the syllabi for the following new Humanities, Social Science and Management Courses (HSSMC) be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
1.	25HS2XXX	Fundamentals of Management for Engineers	PCC	3	0	0	3
2.	25HS2XXX	Engineering Project Management	PCC	3	0	0	3
3.	25HS2XXX	Total Quality Management	PCC	3	0	0	3

ITEM VI

It is resolved that the syllabi for the following new Professional Core Courses (PCC) be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
4.	25EC2301	Communication Theory	PCC	3	0	0	3
5.	25EC2302	Digital Signal Processing	PCC	3	0	0	3
6.	25EC2351	Embedded Systems	PCC	2	0	2	3
7.	25EC2371	Analog and Digital Communication Laboratory	PCC	0	0	2	1

8.	25EC2372	Digital Signal Processing Laboratory	PCC	0	0	2	1
9.	25EC2303	Transmission Lines and Waveguides	PCC	3	0	0	3
10.	25EC2304	Computer Communication Networks	PCC	3	0	0	3
11.	25EC2352	Control Systems Engineering	PCC	2	0	2	3

ITEM VII

It is resolved that the syllabi for the following new Professional Elective courses (PEC) under Regulations 2025 be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
1.	25EC2452	ASIC System Design	PEC	2	0	2	3
2.	25EC2401	Low Power VLSI Design	PEC	3	0	0	3
3.	25EC2327	Optical Fibre Communication	PEC	3	0	0	3
4.	25EC2325	Digital Image Processing	PEC	3	0	0	3
5.	25EC2326	Communication Switching Networks	PEC	3	0	0	3
6.	25EC2402	Communication Network Security	PEC	3	0	0	3
7.	25EC2328	RF MEMS	PEC	3	0	0	3
8.	25EC2329	RF Circuit Design	PEC	3	0	0	3
9.	25AD2XXX	Foundations of Machine Learning and Deep Learning for Generative AI	PEC	2	0	2	3
10.	25AD2XXX	Natural Language Processing (NLP) for Generative AI	PEC	2	0	2	3
11.	25AD2XXX	Generative AI for Vision: Foundations in Computer Vision	PEC	2	0	2	3
12.	25AD2XXX	Advanced Techniques and Applications of Generative AI	PEC	2	0	2	3

ITEM VIII

It is resolved that the syllabi for the following Open Elective courses (OEC) under Regulations 2025 be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
1.	25EC2308	Internet of Things	OEC	3	0	0	3
2.	25EC2309	Principles of Communication Engineering	OEC	3	0	0	3

ITEM IX

It is resolved that the syllabi for the following new Multidisciplinary courses (MDC) under Regulations 2025 be approved and passed.

Sl.No.	Course Code	Course Title	Category	L	T	P	C
1.	25EC2251	Embedded Systems and IoT	MDC	2	0	2	3
2.	25EC2205	Wireless Sensor Networks	MDC	3	0	0	3
3.	25EC2252	Avionics	MDC	2	0	2	0

ITEM X

It is resolved that the syllabi for the following new Skill Enhancement courses (SEC) under Regulations 2025 be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
1.	25EC2353	Model Based System Design	SEC	1	0	2	2
2.	25EC2254	Web Application Development	SEC	1	0	2	2
3.	25EC2354	ATPG Flow with Design For Testability	SEC	1	0	2	2

ITEM - XI

It is resolved that the following NPTEL – RR2020 courses are approved for credit transfer during APRIL/MAY 2026.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
PROFESSIONAL ELECTIVES		
1	noc26-cs55 - Cloud Computing (IIT	20EC2E30 - Cloud Computing

	Kharagpur)	
2	noc26-cs60 - Advanced Computer Networks (IIT Indore)	20EC2E01 - High Performance Computer Networks
3	noc26-cs38 - Introduction to Industry 4.0 and Industrial Internet of Things (IIT Kharagpur)	20ME2E14 - Industry 4.0
4	noc26-ee53 - Deep Learning (IIT Kharagpur)	20CS2E05 - Deep learning
5	noc26-cs03 - Foundation for Virtual and Augmented Reality Systems (IIT Guwahati)	20CS2E51 Virtual reality / Augmented Reality
6	noc26-ee91 - RF Transceiver Design (IIT Roorkee)	20EC2E27 - RF Circuit Design
7	noc26-cs70 - Human Computer Interaction (IIIT Delhi)	20EC2E31 - Human Computer Interaction
OPEN ELECTIVES		
1	noc26-cs36 - Programming in Java (IIT Kharagpur)	20CS2E63 - Java Programming
2	noc26-hs84 - Intellectual Property (IIT Madras)	20ME2E01 - Intellectual Property Rights for Engineers
3	noc26-ce49 - Electronic Waste Management - Issues and Challenges (IIT Kharagpur)	20CE2E51 - Waste Management
4	noc26-cs72 - Introduction to Database Systems (IIT Madras)	20IT2E52 - Database Systems
5	noc26-ge30 - Entrepreneurship Essentials (IIT Kharagpur)	20ME2E53 - Entrepreneurship and Finance Management
6	noc26-ge38 - Non-conventional Energy Resources (IIT Madras)	20PH2E02 - Non-Conventional Energy Resources
IoT SPECILIZATION		
7	noc26-ee20 - Network Security (IIT Bombay)	20EC2E70- Security in IoT

ITEM - XIII

It is resolved that the Result Analysis for the Academic Year 2025 – 2026 (Semesters VII/ V/ III) are approved and passed.

Particulars	VII Semester Batch: 2022 - 2026	V Semester Batch: 2023 - 2027	III Semester Batch: 2024 - 2028
No. of Students Registered in all the subjects	200	203	206
No. of Students Appeared in all the subjects	198	201	202
No. of Students Passed all the subjects	189	168	154
Overall Pass Percentage	95.45%	83.58%	76.24%

ITEM – XIV

It is resolved that the following candidates who have registered for additional credits during April/May 2026 examination under the Honors/Minor courses category Verticals shall be approved according to the communication from Anna University, Chennai via Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022.

Specialization/Minor: Internet of Things

Batch: 2023-2027

Courses Offered:

1. 20EC2E44 – Cloud Architecture and Computing
2. noc26-ee20 - Network Security (IIT Bombay)

S.No	REGISTER	NAME	CGPA
1	71812302003	ABISHEIK RAMANATHAN A	8.26
2	71812302008	AKASH B	8.13
3	71812302018	ARAVIND MAHADEV V G	8.16
4	71812302031	DEEPA S	8.39
5	71812302055	KANNAN C	8.00
6	71812302060	KAVIN K	8.47
7	71812302107	KOUSIK P	8.15
8	71812302117	MANIKANDAN G	7.92
9	71812302119	MANISHA V G	8.81
10	71812302142	PRANEETH R	8.15
11	71812302151	RAGUL S	8.16
12	71812302159	SAMBRIN BANU B	7.83
13	71812302206	SANTHOSH BALA A	8.04
14	71812302209	SARVESH S	8.28
15	71812302210	SAVITHA E	8.24
16	71812302227	SRIMATHI P	8.15

17	71812302242	THAMOHARINI K M	8.31
18	71812302256	VIJAYARAGAVAN K	8.03
19	71812302259	VITHYA SHREE G G A	8.43
20	71812302263	YOGESH S S	8.84

ITEM – XV

It is resolved that the following Mandatory courses be approved for the students in B.E. Electronics and Communication Engineering programme.

Batch: 2022 – 2026

Employment / Entrepreneurship

S.No	Course Code	No. of Students Completed
1.	20MC291 – General Aptitude	201
Total		201

Batch: 2024 - 2028

Allied Skills – 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	AWS: Data Engineering on AWS- Foundations	2
2.	Coursera: Build a computer vision app with Azure Cognitive Services	19
3.	Coursera: Crash course on Python	1
4.	Coursera: Data Analysis and Visualization with Power BI	4
5.	Coursera: Embedded System using C	5
6.	Coursera: Foundations of AI and Machine learning	2
7.	Coursera: Foundations of Cybersecurity	1
8.	Coursera: Foundations of Project Management	1
9.	Coursera: From Excel to Power BI	2
10.	Coursera: Interfacing with the Arduino	2
11.	Coursera: Fundamentals of Digital design for VLSI chip design	2
12.	Coursera: Introduction in Data Engineering	1
13.	Coursera: Introduction to Artificial Intelligence	7

14.	Coursera: Introduction to Internet of Things	1
15.	Coursera: Introduction to the Internet of things and Embedded systems	3
16.	Coursera: Machine Learning for All	1
17.	Coursera: Machine Learning with Python	1
18.	Coursera: Microsoft Azure Machine Learning	3
19.	Coursera: Programming in Python	5
20.	Coursera: Supervised Machine Learning: Regression and Classification	1
21.	edX: HPGG05.en: Crypyo Guard: Securing the future of Game development with Blockchain	8
22.	Infosys Springboard: Basic Csharp Programming	1
23.	Infosys Springboard: Programming using C++	16
24.	NPTEL: Introduction to Programming in C	2
25.	AWS: AWS Cloud Development Kit (CDK) Getting Started	2
26.	WS: Introduction to machine learning: Art of the possible	1
27.	AWS: Introduction to Generative AI : Art of the possible	1
28.	Coursera: Build a Modern Computer from First Principles:From Nand to Tetris(Project Centered Course)	1
29.	Coursera: Develop a Company Website with Wix	1
30.	Coursera: Introduction to Embedded Systems Software and Development Environments	1
31.	Coursera: Introduction to Semiconductor Packaging	2
32.	Coursera: Machine Learning Introduction for Everyone	1
33.	Coursera: Python for Data science,AI &Development	1
34.	Coursera: VLSI Chip Design and simulation with Electric VLSI EDA tool	1
35.	Infosys Springboard: Basics of Python	2
36.	Infosys Springboard: Introduction to Python	3
Total		204

ITEM – XVI

LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2025-2026 ODD SEMESTER

READMITTED CANDIDATES - Mr. MONISH KUMAR R (71812202140)

TRANSFERRED CANDIDATES - NIL

ITEM – XVII

Suggestions by expert members on Regulations, Curriculum, various courses and electives.

➤ **Communication Theory (Core course)**

Suggestions by Dr. V.P.Harigovindan, Expert Nominee

- The current syllabus is extensive and content-heavy.
- It is recommended to relocate the topic “Spread Spectrum” to the Wireless Communication course, where it aligns more appropriately with application oriented learning.

Suggestions by Dr.G.Srivatsun, Expert Nominee

- Error control topics given in the Communication Theory course can be moved to elective course like Statistical Communication Theory

➤ **ADC Laboratory (Core course)**

Suggestions by Dr.G.Srivatsun, Expert Nominee

- Course outcome actions verbs can be rephrased

➤ **Digital Signal Processing: (Core course)**

Suggestions by Dr. E.S.Gopi, University Nominee

- Processor part can be moved to some other hardware related courses like Microcontrollers

➤ **Computer Communication and Networks (Core course)**

Suggestions by Dr. V.P.Harigovindan, Expert Nominee

The following topics may be incorporated to strengthen core understanding:

- Network Layer:
Add Classless Inter-Domain Routing (CIDR) for improved coverage of modern IP addressing techniques.
- Application Layer:
Introduce fundamentals of:
 - HTTP (Hypertext Transfer Protocol)
 - FTP (File Transfer Protocol)
 - SMTP (Simple Mail Transfer Protocol)
- These additions will enhance students’ knowledge of practical Internet protocols.

Suggestions by Dr. E.S.Gopi, University Nominee

- Introduction to Physical layers, Error detection and error correction topics can be removed.

➤ **Optical fiber communication (Professional Elective course)**

Suggestions by Dr.G.Srivatsun, Expert Nominee

- Introduction to free space optics may be included under optical source module

➤ **Digital Image Processing (Professional Elective course)**

Suggestions by Dr. E.S.Gopi, University Nominee

- Image Enhancement and Restoration module may be combined as single module
- Pattern recognition has to be included, Image segmentation and Pattern recognition can be combined as single module
- Colour image processing can be given as separate module
- Wavelet transform topic can be moved to first module
- Morphology topic can be included under Image Enhancement

➤ **RF MEMS (Professional Elective course)**

Suggestions by Dr.G.Srivatsun, Expert Nominee

- Reconfigurable filters can be included

➤ **RF Circuit Design (Professional Elective course)**

Suggestions by Dr.G.Srivatsun, Expert Nominee

- Amplifier classes of operation and Biasing networks has to be included under RF amplifiers
- Maximum gain amplifiers can be included in RF amplifiers

➤ **Internet of Things (Open Elective)**

Suggestions by Dr. V.P.Harigovindan, Expert Nominee

- Syllabus has to be reframed, Since this course is offered as an open elective for multiple disciplines
- It is suggested to:
Include fundamental concepts of IoT, ensuring accessibility for students from non-electronics backgrounds.

Provide introductory coverage of:

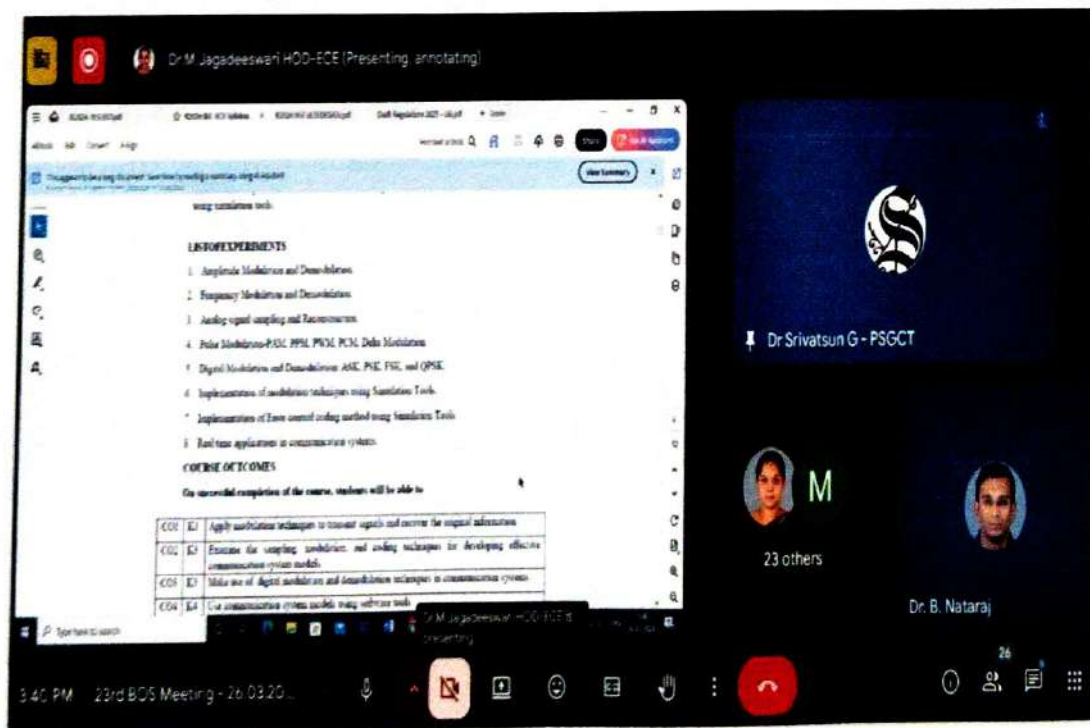
- IoT architecture
- Sensors and actuators
- Basic communication models
- Real-world applications

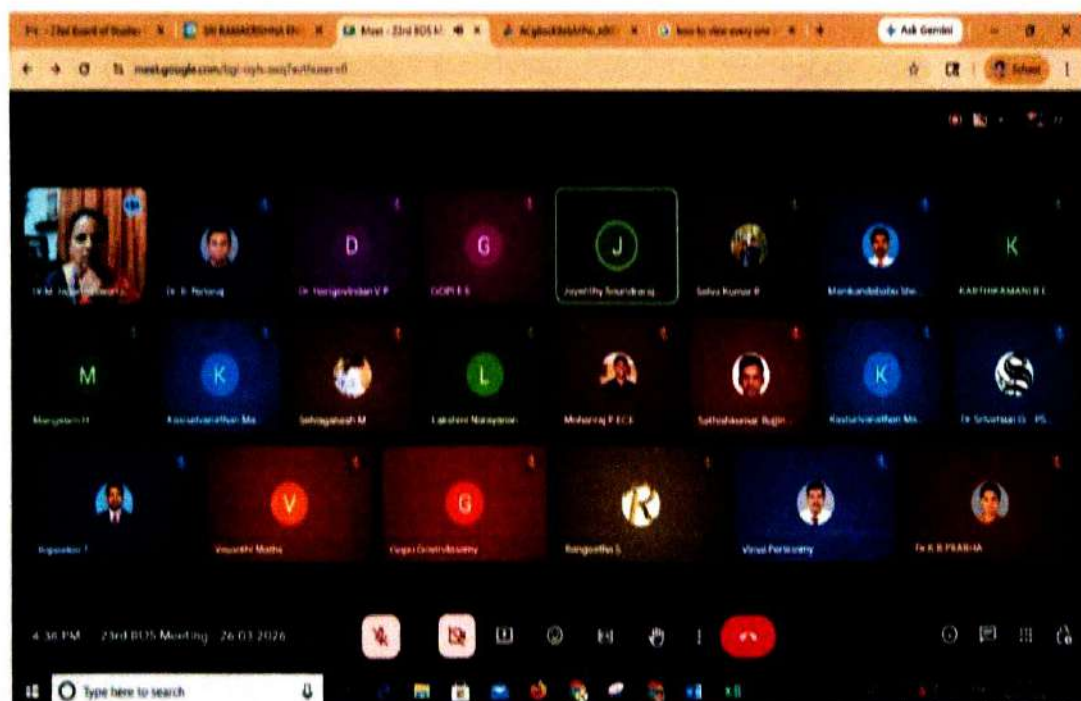
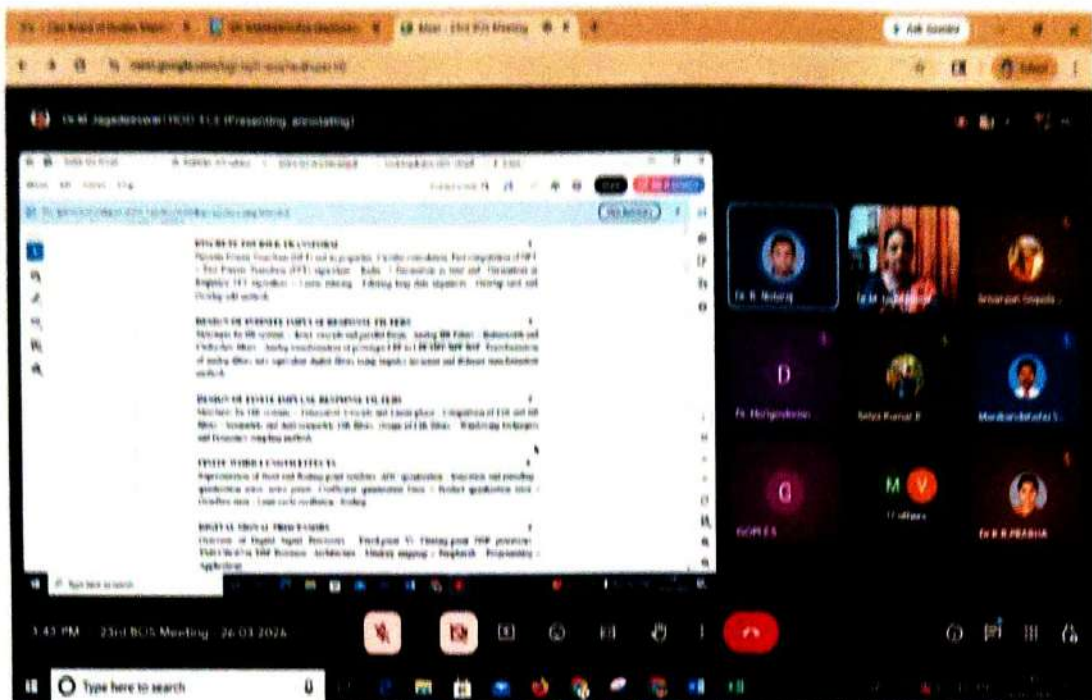
➤ **Principles of Communication Engineering (Open Elective)**

Suggestions by Dr. V.P.Harigovindan, Expert Nominee

- Importance of Wireless communication is not much needed in communication engineering
- Remodification of the course with basic topics can be done.

Screenshots of the ONLINE Meeting:





Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	 26/3/24
Dr. E. S. Gopi	University Nominee	Attended Online
Dr.V.P. Harigovindan	Subject Expert from IIT/ other Central Govt. Research labs	Attended Online
Dr.G.Srivatsun	Subject Expert from Parent University	Attended Online
Dr.Selvakumar Ramasethu	Industry Expert	Attended online
Ms.Kanaga Durga Deenadayalan	Meritorious Alumnus	Attended online
Dr.S.Jayanthi	Member	Jayanthi/26.3.26
Dr.H.Mangalam	Member	H.M. 26/3/26
Dr.G.Gopu	Member	G.G. 26/3/26
Dr.C.S.Manikandababu	Member	C.S. 26/3/26
Dr.B.Nataraj	Member	B.N. 26/3/26
Dr.B.R.Sathish Kumar	Member	B.R. 26/3/2024
Dr.S.P.Vimal	Member	S.P. 26/3/26
Dr. K.R.Prabha	Member	K.R. 26/3/24
Dr.S.Lakshmi Narayanan	Member	S.L. 26/3/26
Dr.M.Kasiselvanathan	Member	M.K. 26/3/26

Dr.S.Rangeetha	Member	<i>D.S. Rangeetha</i> 26/3/26
Dr.R.Karthikamani	Member	<i>R. Karthikamani</i> 26/3/26
Mr.T.Rajasekar	Member	<i>T. Rajasekar</i> 26/3/26
Mr.M.Selvaganesh	Member	<i>M. Selvaganesh</i> 26/3/26
Mr.P.Mohanraj	Member	<i>P. Mohanraj</i> 26/3/26
Dr.K.Balamurugan	Member	<i>K. Balamurugan</i> 26/3
Dr.P.Vasanthi	Member	<i>P. Vasanthi</i> 26/03/26


 26/3/26
CHAIRPERSON
BOARD OF STUDIES
 Department of Electronics and
 Communication Engineering



SRI RAMAKRISHNA ENGINEERING COLLEGE

[Educational Service : SNR Sons Charitable Trust]

Vattamalaipalayam, N.G.G.O. Colony Post,

Coimbatore - 641022.

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MINUTES OF THE 22nd BOARD OF STUDIES MEETING FOR THE UG B.E. ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD ON 08th NOVEMBER 2025 AT 09:00 AM.

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr. E. S. Gopi Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli.	University Nominee
3.	Dr.V.P. Harigovindan Professor/ECE and Dean (Planning & Development), National Institute of Technology, Puducherry.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr.G.Srivatsun Associate Professor/ECE, PSG College of Technology, Coimbatore.	Subject Expert from Parent University
5.	Dr.Selvakumar Ramasethu Senior Principal Solutions Engineer, Cadence Design Systems, Bengaluru	Industry Expert
6.	Ms.Kanaga Durga Deenadayalan Cluster Lead & Senior Software Engineer Function Owner for Honda Projects, Bosch Global Software Technologies, Coimbatore	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE and Dean - Academics, SREC	Member
8.	Dr.H.Mangalam, Professor/ECE and Dean - Administration, SREC	Member
9.	Dr.G.Gopu, Professor/ECE, SREC	Member
10.	Dr.B.Nataraj, Associate Professor/ECE and Associate Dean – Academics, SREC	Member

11.	Dr.C.S.Manikandababu, Associate Professor/ECE and DCoE, SREC	Member
12.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
13.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
14.	Dr. K.R.Prabha, Associate Professor/ECE and BoS Coordinator, SREC	Member
15.	Dr.M.Kasiselvanathan, Associate Professor/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Associate Professor/ECE, SREC	Member
17.	Mr.T.Rajasekar, Assistant Professor(Sr.G)/ECE, SREC	Member
18.	Mr.M.Selvaganesh Assistant Professor (Sr.G)/ECE, SREC	Member
19.	Mr.P.Mohanraj, Assistant Professor(Sr.G)/ECE, SREC	Member
20.	Dr.K.Balamurugan, Associate Professor/EEE, SREC	Member
21.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **22nd BoS meeting**. Chairperson disseminated the Vision, Mission, PO, PSO & PEO of the Department. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2022, 2023 & 2024.

ITEM - II

- It is resolved that the syllabi for the following new Value Added Course under Revised Regulations 2020 has been approved and passed.
 - Real-Time Operating System using QNX

ITEM - III

- It is resolved that the following NPTEL courses are approved for credit transfer during NOVEMBER/DECEMBER 2025.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
PROFESSIONAL ELECTIVES		
1	noc25-ee127 - Pattern Recognition and Application (IIT kharagpur)	20EC2E08- Pattern recognition and machine learning
2	noc25-ee118 - Real-Time Digital Signal Processing (IISC Bangalore)	20EC2E19-DSP processors and its Architectures
3	noc25-cs146 - Introduction to Industry 4.0 and Industrial Internet of Things (IIT Kharagpur)	20ME2E14 - Industry 4.0
4	noc25-cs106 - Deep Learning (IIT Ropar)	20CS2E05 - Deep learning
5	noc25-cs87 - Foundations of Virtual Reality (IIT Madras)	20CS2E51 - Virtual reality / Augmented Reality
6	noc25-ee126 - Digital Image Processing (IIT Kharagpur)	20EC2E06 - Image Processing Techniques
OPEN ELECTIVES		
7	noc25-ce142 - Indoor Air Pollution: Sources, Effects, Monitoring, Control and Modeling (IIT Hyderabad)	20CE2E59 - Industrial Pollution Prevention Techniques
8	noc25-mg142 - Industrial Safety Engineering (IIT Kharagpur)	20EE2E59 - Electrical Safety Engineering
9	noc25-ce122 - Integrated Waste Management for a Smart City (IIT Kharagpur)	20CE2E51 - Waste Management
10	noc25-ge53 - Solar Energy Engineering and Technology (IIT Guwahati)	20PH2E03 - Solar Technology

ITEM - IV

- It is resolved that the Result Analysis for the Academic Year 2024 – 2025 (Semesters VIII/ VI/ IV/ II) are approved and passed.

Particulars	VIII Semester Batch: 2021 - 2025	VI Semester Batch: 2022 - 2026	IV Semester Batch: 2023 - 2027	II Semester Batch: 2024 - 2028
No. of Students Registered in all the subjects	193	200	203	186
No. of Students Appeared in all the subjects	193	193	203	186
No. of Students Passed all the subjects	193	165	167	140
Overall Pass Percentage	100%	85.49%	82.87%	75.27%

ITEM – V

- It is resolved that the following candidates who have registered for additional credits during April/May 2024 examination under the Honors/Minor courses category Verticals shall be approved according to the communication from Anna University, Chennai via Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022.

Specialization/Minor: Internet of Things

Batch: 2022-2026

Courses Offered:

- 20EC2E45 – Industrial IoT
- 20EC2E48 – Sensor Networks and Integration
- 20EC2E70 – Security in IoT

S.N	REGISTER	NAME	CGPA
1	71812202013	AKSHAYA A V R	8.54
2	71812202004	ABINAYA S	8.36
3	71812202005	ABINAYASHREE S	8.54
4	71812202014	AKSHAYA G S	8.37
5	71812202029	BHARATHKUMAR G	7.75
6	71812202030	BOOMIHA S	8.84
7	71812202036	DARSINI M	8.21
8	71812202040	DHARANYA P	8.93
9	71812202043	DHARSHINI C	8.29
10	71812202044	DHARSHINI R	8.28
11	71812202046	DHINESH R	8.70
12	71812202052	GAYATHRI N A	7.80
13	71812202054	GOKILESHNAVI S	8.46
14	71812202107	INDIRA S	8.93
15	71812202119	KAVIYASRI A	8.36
16	71812202124	LAKSHAYA K	7.70
17	71812202127	MADHUMITHA P	8.20
18	71812202141	NAKSHATHRAA N B	8.20
19	71812202143	NANTHITHA S	8.21
20	71812202144	NAVEENA S	8.10
21	71812202149	PONNALAKU G	7.81
22	71812202156	PRATHISTA P R	7.75
23	71812202230	SOWGANTHIKA P	8.46
24	71812202232	SRI HARINI S	8.95

Batch: 2023-2027

- 20EC2E40 – IoT Architecture and Protocols
- 20EC2E41 – IoT Platform and System Design

S.N	REGISTER	NAME	CGPA
1	71812302003	ABISHEIK RAMANATHAN A	8.48
2	71812302008	AKASH B	8.09
3	71812302018	ARAVIND MAHADEV V G	8.23
4	71812302031	DEEPA S	8.37
5	71812302055	KANNAN C	8.01
6	71812302060	KAVIN K	8.46
7	71812302107	KOUSIK P	8.23
8	71812302117	MANIKANDAN G	7.96
9	71812302119	MANISHA V G	8.90
10	71812302142	PRANEETH R	8.18
11	71812302151	RAGUL S	8.14
12	71812302159	SAMBRIN BANU B	7.82
13	71812302206	SANTHOSH BALA A	7.98
14	71812302209	SARVESH S	8.32
15	71812302210	SAVITHA E	8.24
16	71812302227	SRIMATHI P	8.05
17	71812302242	THAMOHARINI K M	8.32
18	71812302256	VIJAYARAGAVAN K	8.07
19	71812302259	VITHYA SHREE G G A	8.35
20	71812302263	YOGESH S S	8.86

ITEM – VI

It is resolved that the following Mandatory courses be approved for the students in B.E. Electronics and Communication Engineering programme.

Batch: 2022 – 2026

Personality and Character Development

S.No	Course Code	No. of Students Completed
1.	20MC022 - Institute of Electronics and Telecommunication Engineers - Student Chapter	12
2.	20MC021 - Association of Electronics and Communication Engineering	4
3.	20MC201- Sports and Games	3
4.	20MC214- Philatelic Club	2
5.	20MC208- Soft Skills	174

6.	20MC205- Youth Red Cross	2
7.	20MC210-Science Association	4
Total		201

Allied Skills – 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	Infosys Springboard: Basic Csharp Programming	112
2.	Infosys Springboard: Phython Programming for Beginners- Learn In 100 Easy Steps	61
3.	Infosys Springboard: Programming Using C++	9
4.	Infosys Springboard: Embedded Systems Object – Oriented Programming in C And C++	8
5.	Infosys Springboard: Learn and Master C Programming for Absolute Begineers	5
6.	Coursera: 5G for Everyone	1
7.	Coursera: IoT Devices	3
8.	NPTEL: Environment Science	2
Total		201

Batch: 2023 -2027

Personality and Character Development

S.No	Course Code	No. of Students Completed
1.	20MC022-Institute of Electronics and Telecommunication Engineers – Student Chapter	9
2.	20MC021-Association of Electronics and Communication Engineering	23
3.	20MC201- Sports and Games	13
4.	20MC202- Empowerment Through Yoga	4
5.	20MC212- Tamil Mandram	7
6.	20MC214- Philatelic Club	2
7.	20MC215- Phorartz Club	12
8.	20MC216-Quiz Club	7
9.	20MC221-Uyir Club	3
10.	20MC222-Yi Yuva	43

11.	20MC204 -National Service Scheme	12
12.	20MC208- Soft Skills	22
13.	20MC209 English Literary Society	13
14.	20MC218-Reading Club	9
15.	20MC023- Social Innovation Club	15
16.	20MC217-Fine Arts Club	4
17.	20MC203 -National Cadet Corps	3
18.	20MC210 – Science Association	3
Total		204

Allied Skills - 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	Infosys Springboard: Basic Csharp Programming	4
2.	Infosys Springboard: Programming Using C++	175
3.	Coursera: Machine Learning With Python	1
4.	Infosys Springboard: C Programming	2
5.	Infosys Springboard: Introduction to Python	1
6.	National Skill Development Cooperation: Battery Technology And Its Applications	1
7.	National Skill Development Cooperation: Machine Learning	8
8.	National Skill Development Cooperation: Machine Language	3
9.	National Skill Development Cooperation: Python Programming	4
10.	National Skill Development Corporation: Python For Data Science	4
11.	National Skill Development Corporation: Communication Skills	1
Total		204

Batch: 2024 – 2028

Personality and Character Development

S.No	Course Code	No. of Students Completed
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1.	20MC204 - National Service Scheme	25
2.	20MC209 English Literary Society	2
3.	20MC013- Artificial Intelligence Club	11
4.	20MC215- Phorartz Club	14
5.	20MC217-Fine Arts Club	18
6.	20MC208- Soft Skills	11
7.	20MC222-Yi Yuva	25
8.	20MC201- Sports and Games	2
9.	20MC212- Tamil Mandram	6
10.	20MC221-Uyir Club	8
11.	20MC216-Quiz Club	5
12.	20MC203 -National Cadet Corps	5
13.	20MC210 – Science Association	7
14.	20MC205 – Youth Red Cross	12
15.	20MC202-Empowerment Through Yoga	1
16.	20MC214- Philatelic Club	1
17.	20MC218-Reading Club	12
18.	20MC023- Social Innovation Club	16
19.	20MC219 – Red Ribbon Club	1
Total		182

Allied Skills - 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	AWS: Data Engineering on AWS- Foundations	2
2.	Coursera: Build a computer vision app with Azure Cognitive Services	19
3.	Coursera: Crash course on Python	1
4.	Coursera: Data Analysis and Visualization with Power BI	4

5.	Coursera: Embedded System using C	5
6.	Coursera: Foundations of AI and Machine learning	2
7.	Coursera: Foundations of Cybersecurity	1
8.	Coursera: Foundations of Project Management	1
9.	Coursera: From Excel to Power BI	2
10.	Coursera: Interfacing with the Arduino	2
11.	Coursera: Fundamentals of Digital design for VLSI chip design	2
12.	Coursera: Introduction in Data Engineering	1
13.	Coursera: Introduction to Artificial Intelligence	7
14.	Coursera: Introduction to Internet of Things	1
15.	Coursera: Introduction to the Internet of things and Embedded systems	3
16.	Coursera: Machine Learning for All	1
17.	Coursera: Machine Learning with Python	1
18.	Coursera: Microsoft Azure Machine Learning	3
19.	Coursera: Programming in Python	5
20.	Coursera: Supervised Machine Learning: Regression and Classification	1
21.	edX: HPGG05.en: CrypyoGuard: Securing the future of Game development with Blockchain	8
22.	Infosys Springboard: Basic Csharp Programming	1
23.	Infosys Springboard: Programming using C++	16
24.	NPTEL: Introduction to Programming in C	2
Total		91

ITEM – VII

It is resolved that the following students who had completed 4/6 weeks of internship/inplant training be approved in B.E. Electronics and Communication Engineering programme.

Batch: 2022 – 2026

S.No	Industry	No of Students Completed
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1.	CRAFTSMAN AUTOMATION	6
2.	ROOTS INDUSTRIES INDIA PRIVATE LIMITED	9
3.	GATEWAY SOFTWARE SOLUTIONS	3
4.	SOFTYUGA	3
5.	TRIOX TECHNOLOGY	7
6.	CHIP CRAFTS	24
7.	PRAYA LABS	2
8.	RIETER INDIA PVT PTD	2
9.	SUNSHIV ELECTRONIC SOLUTIONS	3
10.	EMGLITZ TECHNOLOGIES	26
11.	TECHPRO SOLUTIONS	6
12.	KRISHTEC	12
13.	BUMBLE BEE INC	14
14.	M.S.B. INDUSTRIES	3
15.	SALZER ELECTRONICS	27
16.	VTROINCS AUTOMATION	3
17.	TEPLAR SOLUTIONS	11
18.	PIONEER CIRRCUITS	10
19.	MECHMET ENGINEERS	5
20.	ARTISPEC TECHNOLOGIES	3
21.	TESSOLVE SEMICONDUCTOR PVT LTD	2
22.	ESSARR ELECTRICAL & ELECTRONICS	2
23.	CIM SYSTEMS	3
24.	ATCHAYAM ELECTRONICS	10
25.	SWELECT HHV SOLAR PHOTOVOLTAICS PRIVATE LTD	3
26.	COSMIC RAY LABORATORY	2
27.	CRAPER SOFT	11
28.	KRIYATECH	2
29.	AATEK ROBO PRIVATE LTD	3
30.	HINDUSTAN AERONAUTICS LTD	1
31.	PRICOL LTD	1
Total		200

ITEM – VIII**LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2025-2026 ODD SEMESTER**

READMITTED CANDIDATES - MR. MOHAMMED BHAKER (71812202135)

TRANSFERRED CANDIDATES - NIL

ITEM – IX

It is resolved that Regulations 2025 (Outcome based Curriculum through Choice based Credit System) will be followed for all B.E./B.Tech/M.Tech(Int). programmes for students admitted in the Academic year 2025 and onwards be approved and passed..

Minimum number of Credits to be earned for the successful completion of B.E./B.Tech. Programmes for

- **Regular candidates (4 years) : 161 credits**
- **Lateral Entry candidates (3 years) : 120 credits**

ITEM X - REGULATION 2025 CURRICULUM

It is resolved that the R2025 Curriculum be approved.

Semester wise Credit Distribution – R 2025 (NEP Aligned)

Category	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem	Total Credits
HSSMC	4	3				3	2		12
BSC	6	8	4						18
ESC	11	3	6						20
PCC		4	8	11	11	9	7		50
OEC				3	3				6
PEC				3	3	3	6	3	18
MMC					3	3	3		9
AEC		2	2	2					6
SEC			2			2			4
VAC				2	2				4
LAC						2			2
ELC				2	2			8	12
Total	21	20	22	23	24	22	18	11	161

Semester I

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25MA2102	Algebra, Differential Calculus and Transform	BSC	3	1	0	4
2.	25PH2101	Applied Materials Science	BSC	2	0	0	2
3.	25EC2100	Electric Circuits	ESC	3	0	0	3
4.	25EC2101	Electrical Technology	ESC	3	0	0	3
5.	25TA2100	Heritage of Tamils - தமிழர் மரபு	HSSM	1	0	0	1
THEORY CUM LABORATORY							
6.	25EN2150	Business and Corporate Communication	HSSM	2	0	2	3
7.	25CS2151	C Programming	ESC	2	0	2	3
PRACTICALS							
8.	25EC2170	Electric Circuits Laboratory	ESC	0	0	2	1
9.	25ME2171	Computer Aided Engineering Graphics Laboratory	ESC	0	0	2	1
Total							21

Semester II

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Social Science Course (Constitution of India/ Indian Knowledge Systems)	HSSM	2	0	0	2
2.	25TA2101	Tamils and Technology - தமிழரும் தொழில்நுட்பமும்	HSSM	1	0	0	1
3.	25MA2106	Integral Calculus, Fourier Series and Transforms	BSC	3	1	0	4
4.	25CH2105	Electrochemical Science	BSC	2	0	0	2
5.	25BM2101	Neuroscience	BSC	1	0	0	1
6.	25EC2102	Electronic Devices and Circuits	PCC	3	0	0	3
THEORY CUM LABORATORY							
7.	20IT2150	Python Programming	ESC	2	0	2	3
PRACTICALS							
8.	25BS2171	Physical Sciences Laboratory	BSC	0	0	2	1
9.	25EN2170	Ability Enhancement Course 1 Functional English	AEC	0	0	4	2
10.	25EC2171	Electronic Devices and Circuits Laboratory	PCC	0	0	2	1

						Total	20
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Semester III

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25MA2XXX	Probability, Random Processes and Statistics	BSC	3	1	0	4
2.	25EC2XXX	Electromagnetics	ESC	3	0	0	3
3.	25EC2XXX	Digital System Design	PCC	3	0	0	3
4.	25EC2XXX	Analog Circuits	PCC	3	0	0	3
5.	25XX2XXX	Ability Enhancement Course 2	AEC	2	0	0	2
6.	25EC2XXX	Skill Enhancement Course 1	SEC	2	0	0	2
THEORY CUM LABORATORY							
7.	25CS2XXX	Data Structures and Algorithms	ESC	2	0	2	3
PRACTICALS							
8.	25EC2XXX	Digital System Design Laboratory	PCC	0	0	2	1
9.	25EC2XXX	Analog Circuits Laboratory	PCC	0	0	2	1
Total							22

Semester IV

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25EC2XXX	Signals and Systems	PCC	3	0	0	3
2.	25EC2XXX	Digital CMOS VLSI Systems	PCC	3	0	0	3
3.	25EC2XXX	Microcontrollers and RISC Processor	PCC	3	0	0	3
4.	25XX2XXX	Open Elective 1	OEC	3	0	0	3
5.	25EC2XXX	Professional Elective 1	PEC	3	0	0	3
6.	25EC2XXX	Ability Enhancement Course 3	AEC	2	0	0	2
7.	25XX2XXX	Value Added Course 1	VAC	2	0	0	2
PRACTICALS							
8.	25EC2XXX	Digital CMOS VLSI Systems Laboratory	PC	0	0	2	1
9.	25EC2XXX	Microcontrollers Laboratory	PC	0	0	2	1
10.	25EC2XXX	Mini Project	ELC	0	0	4	2
Total							23

Semester V

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Communication Theory	PCC	3	0	0	3
2.		Digital Signal Processing	PCC	3	0	0	3
3.		Open Elective 2	OEC	3	0	0	3
4.		Professional Elective 2	PEC	3	0	0	3
5.		Value Added Course 2	VAC	2	0	0	2
THEORY CUM LABORATORY							
6.		Embedded Systems and IoT	PCC	2	0	2	3
7.		Multidisciplinary Minor Course 1	MMC	2	0	2	3
PRACTICALS							
8.		Communication Theory Laboratory	PCC	0	0	2	1
9.		Digital Signal Processing Laboratory	PCC	0	0	2	1
10.		Multidisciplinary Project	ELC	0	0	4	2
Total							24

Semester VI

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Management Course 1 (Fundamentals of Management for Engineers/ Industrial Management/Total Quality Management)	HSSM	3	0	0	3
2.		Transmission Lines and Waveguides	PC	3	0	0	3
3.		Computer Networks	PC	3	0	0	3
4.		Professional Elective 3	PE	3	0	0	3
5.		Skill Enhancement Course 2	SEC	2	0	0	2
6.		Liberal Arts Course	LAC	2	0	0	2
THEORY CUM LABORATORY							
7.		Control Systems	PC	2	0	2	3
8.		Multidisciplinary Minor Course 2	MMC	2	0	2	3
Total							22

Semester VII

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Management Course 2 (Economics for Engineers/ Entrepreneurship/Professional Ethics)	HSSM	2	0	0	2
2.		Antennas and Microwave Engineering	PC	3	0	0	3
3.		Professional Elective 4	PE	3	0	0	3
4.		Professional Elective 5	PE	3	0	0	3
THEORY CUM LABORATORY							
5.		Wireless Communication	PC	2	0	2	3
6.		Multidisciplinary Minor Course 3	MMC	2	0	2	3
PRACTICALS							
7.		Antennas and Microwave Engineering Laboratory	PC	2	0	2	1
Total							18

Semester VIII

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Professional Elective 6	PE	3	0	0	3
PRACTICALS							
2.		Project Work	ELC	0	0	12	6
3.		Internship / Field Project Evaluation /Live in Lab / GATE / GRE / IELTS / PSUs	ELC	0	0	0	2
Total							11

ITEM XI

It is resolved that the syllabi for the following new courses be approved.

S.No	Course Code	Course Title	Category	L	T	P	C
1.		Probability, Random Processes and Statistics	BSC	3	1	0	4

2.		Electromagnetics	ESC	3	0	0	3
3.		Data Structures and Algorithms	ESC	2	0	2	3
4.		Digital System Design	PCC	3	0	0	3
5.		Digital System Design Laboratory	PCC	0	0	2	1
6.		Analog Circuits	PCC	3	0	0	3
7.		Analog Circuits Laboratory	PCC	0	0	2	1
8.		Signals and Systems	PCC	3	0	0	3
9.		Digital CMOS VLSI Systems	PCC	3	0	0	3
10.		Digital CMOS VLSI Systems Laboratory	PCC	0	0	2	1
11.		Microcontrollers and RISC Processor	PCC	3	0	0	3
12.		Microcontrollers Laboratory	PCC	0	0	2	1

ITEM XII

It is resolved that the syllabi for the following new Multidisciplinary Elective courses (MDC) under Regulations 2025 be approved and passed.

Sl.No.	Course Title	Category	L	T	P	C
1.	EMBEDDED SYSTEMS AND IoT (M.Tech CSE)	MMC	3	0	0	3

ITEM XIII

It is resolved that the syllabi for the following new Ability Enhancement courses (AEC) under Regulations 2025 be approved and passed.

Sl.No.	Course Title	L	T	P	C
1.	Ability Enhancement Course 1 Functional English	2	0	0	2
2.	Ability Enhancement Course 2 and 3 (Any Two Course) German/ Japanese / Soft skills/ Aptitude and Logical Reasoning / Design Thinking	2	0	0	2

ITEM XIV

It is resolved that the syllabi for the following new Professional Elective courses under Regulations 2025 be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
1.		Advanced Digital System Design	PEC	2	0	2	3

2.		RISC – V Hardware Design	PEC	2	0	2	3
3.		System Programming using C	PEC	3	0	0	3
4.		Real-Time Operating System	PEC	2	0	2	3
5.		Photonics and Optoelectronic Systems	PEC	3	0	0	3
6.		Electromagnetic Interference and Compatibility	PEC	3	0	0	3
7.		AI Principles and Techniques	PEC	3	0	0	3
8.		Foundations of Machine Learning and Deep Learning for Generative AI	PEC	3	0	0	3
9.		Natural Language Processing (NLP) for Generative AI	PEC	3	0	0	3
10.		Generative AI for Vision: Foundations in Computer Vision	PEC	3	0	0	3
11.		Advanced Techniques and Applications of Generative AI	PEC	3	0	0	3

ITEM XV

It is resolved that the syllabi for the following new Open Elective courses under Regulations 2025 be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
1.		VLSI Design	OEC	2	0	2	3
2.		MEMS	OEC	2	0	2	3

ITEM XVI

It is resolved that the syllabi for the following new Skill Enhancement courses (SEC) under Regulations 2025 be approved and passed.

S.No	Course Code	Course Title	Category	L	T	P	C
3.		Virtual Instrumentation and Communication System Design using LabVIEW	SEC	0	0	4	2
4.		Hands-On PCB Engineering	SEC	0	0	4	2
5.		Applied image intelligence and visual computing	SEC	0	0	4	2

Suggestions by expert members on Regulations, Curriculum, various courses and electives.

- Dr. V.P.Harigovindan, Expert Nominee enquired about the duration of the training for faculty by QNX. Dr.S.Jayanthi, Professor/ECE explained that one week physical training and 45 days of online training was given to the faculty.

- Dr. E.S.Gopi, University Nominee enquired about whether the degree awarded for the specialization/minor is dissiminated as B.E Electronics and Communication Engineering with Specialization in IoT. Dr.M.Jagadeeswari, Chairperson/BoS informed the members that the degree awarded for the 2021 - 2025 Batch as B.E. (Honors) only.
- Dr. V.P.Harigovindan, Expert Nominee enquired about the courses studied for specialization in the marksheet and also enquired whether these additional credits earned by the students under specialization are included for ranking. Chairperson/BoS explained the members suitably.
- Dr. V.P.Harigovindan, Expert Nominee enquired about the evalaution method regarding internship. Chairperson/BoS informed the BoS members that 30% evaluation will be done by industry and 70% evaluated by the committee members approved by the Chairperson/Academic Council.
- Dr. V.P.Harigovindan, Expert Nominee suggested offering Directed Self Study is not appropriate for Undergraduate programme, instead we can conduct fast track courses.
- Dr.G.Srivatsun, Expert Nominee suggested to change the course title Electromagnetics as "Electromagnetic Fields".
- Dr. V.P.Harigovindan, Expert Nominee enquired whether Statistics is needed for B.E. ECE students. Chairperson/BoS informed the BoS members that Statistics is required for the better understanding for the courses like Machine Learning, Deep Learning etc.
- Dr. E.S.Gopi, University Nominee asked to include prerequisite for all the courses and if no prerequisite for a particular course, it can be mentioned as NIL.
- Dr. E.S.Gopi, University Nominee suggested to reframe last module Convolution and Correlation to be moved before the start of Transforms for the course Signals and Systems.
- Dr. V.P.Harigovindan, Expert Nominee suggested to change the 3rd module title for the course Signals and Systems.
- Dr. E.S.Gopi, University Nominee suggested to have course outcomes module wise rather than common course outcomes. He also suggested to have more than one course outcomes per module if necessary.
- Dr. R.Selvakumar, Industry expert suggested to update with real-life applications and practical case studies with latest use case examples.
- In general, all the members appreciated that the current syllabus is well-structured and highly relevent to current industry needs and technological advancements.
- The expert members of the Board of Studies appreciated the activities of the Department of Electronics and Communication Engineering and various student's activities.



google meet link - vijaykuma x Meet - sqd-zwee-jgo

meet.google.com/sqd-zwee-jgo?pli=1

Dr.K.R.PRABHA (Presenting, annotating)

SRI RAMAKRISHNA
ENGINEERING COLLEGE
(Educational Service - SNR Seels Charitable Trust)
Vattavallapalayam, N.G.E.O. Colony Post, Coimbatore - 641022

ITEM VII Internship/Inplant Training

Resolution for the following students who had completed 4/6 weeks of internship/inplant training be approved in B.E. Electronics and Communication Engineering programme.

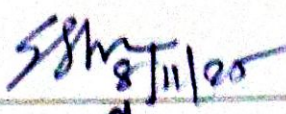
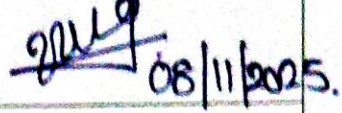
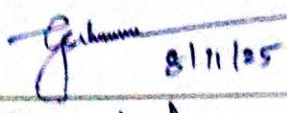
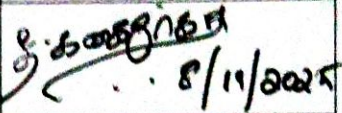
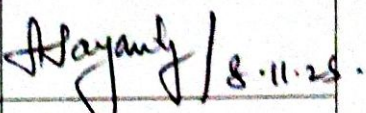
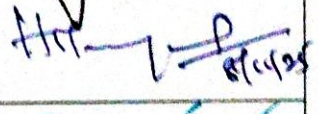
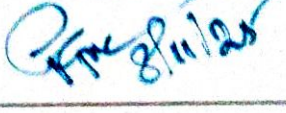
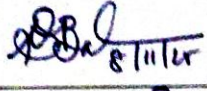
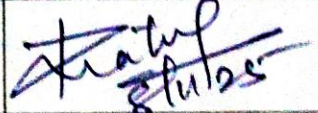
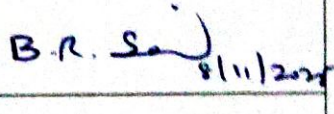
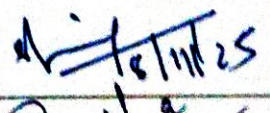
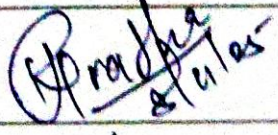
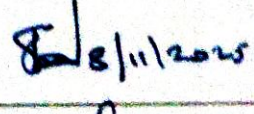
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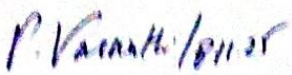
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PAGE 27 OF 27 - BWORDS - ENGLISH (INDIA)

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10:02 (18-11-2025)

Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	
Dr. E. S. Gopi	University Nominee	
Dr.V.P. Harigovindan	Subject Expert from IIT/ other Central Govt. Research labs	
Dr.G.Srivatsun	Subject Expert from Parent University	
Dr.Selvakumar Ramasethu	Industry Expert	Attended online.
Ms.Kanaga Durga Deenadayalan	Meritorious Alumnus	
Dr.S.Jayanthi	Member	
Dr.H.Mangalam	Member	
Dr.G.Gopu	Member	
Dr.C.S.Manikandababu	Member	
Dr.B.Nataraj	Member	
Dr.B.R.Sathish Kumar	Member	
Dr.S.P.Vimal	Member	
Dr. K.R.Prabha	Member	
Dr.S.Lakshmi Narayanan	Member	
Dr.M.Kasiselvanathan	Member	

Mr. T. Rajasekar	Member	
Mr. M. Selvaganesh	Member	
Mr. P. Mohanraj	Member	
Dr. K. Balamurugan	Member	
Dr. P. Vasanthi	Member	


CHAIRPERSON
BOARD OF STUDIES
 Department of Electronics and
 Communication Engineering

Fwd: - 22nd BoS ECE Minutes-reg

Dr.M.Jagadeeswari HOD-ECE <hod-ece@srec.ac.in>
To: "Dr.K.R.PRABHA" <prabha.kr@srec.ac.in>

Mon, Nov 17, 2025 at 10:30 AM

----- Forwarded message -----

From: Selva Kumar R <vkmselva@gmail.com>
Date: Fri, Nov 14, 2025 at 8:54 PM
Subject: Re: - 22nd BoS ECE Minutes-reg
To: Dr.M.Jagadeeswari HOD-ECE <hod-ece@srec.ac.in>

Dear Madam,

Thank you for circulating the minutes of meeting.

I have reviewed the document and hereby approve the minutes as presented. They reflect the discussions and decisions made during the meeting on 8/11/2025.

Best Regards,
Dr. SelvaKumar Ramasethu
Sr. Principal Engineer.
Cadence Design Systems
+918778464171
Selva Kumar R.

On Fri, 14 Nov 2025, 4:00 pm Dr.M.Jagadeeswari HOD-ECE, <hod-ece@srec.ac.in> wrote:

Dear Sir

Warm Greetings for Department of Electronics and Communication Engineering, Sri Ramakrishna Engineering College, Coimbatore.

Herewith I attach the minutes of the 22nd Board of Studies meeting held on 08.11.2025.

Kindly verify and give your consent for the same through your official email id so that it can be recorded instead of sign in the BoS minutes.

Thanks and Regards,

Dr.M.Jagadeeswari
Nodal Coordinator - NIRF
Professor and Head
Department of Electronics and Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022
Mobile: 9486355965

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SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22

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[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

**MINUTES OF THE 21st BOARD OF STUDIES MEETING FOR THE UG B.E.,
ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD
ON 29th MARCH 2025 AT 11:00 AM.**

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr. E. S. Gopi Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli.	University Nominee
3.	Dr.V.P. Harigovindan Associate Professor/ECE and Dean (Planning & Development), National Institute of Technology, Puducherry.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr.G.Srivatsun Associate Professor/ECE, PSG College of Technology, Coimbatore.	Subject Expert from Parent University
5.	Dr.Selvakumar Ramasethu Senior Principal Solutions Engineer, Cadence Design Systems, Bengaluru	Industry Expert
6.	Ms.Kanaga Durga Deenadayalan Cluster Lead & Senior Software Engineer Function Owner for Honda Projects, Bosch Global Software Technologies, Coimbatore	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE, SREC	Member
8.	Dr.N.Sathish Kumar, Professor/ECE, SREC	Member
9.	Dr.G.Gopu, Professor/ECE, SREC	Member

10.	Dr.C.S.Manikandababu, Associate Professor/ECE, SREC	Member
11.	Dr.B.Nataraj, Associate Professor/ECE, SREC	Member
12.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
13.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
14.	Dr. K.R.Prabha, Associate Professor/ECE, SREC	Member
15.	Dr.M.Kasiselvanathan, Associate Professor/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Assistant Professor (Sl.Gr.) / ECE, SREC	Member
17.	Mr.T.Rajasekar, Assistant Professor(Sr.G)/ECE, SREC	Member
18.	Mr.M.Selvaganesh Assistant Professor (Sr.G)/ECE, SREC	Member
19.	Mr.P.Mohanraj, Assistant Professor(Sr.G)/ECE, SREC	Member
20.	Dr.K.Balamurugan, Associate Professor/EEE, SREC	Member
21.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **21st BoS meeting**. Chairperson disseminated the Vision, Mission, PO, PSO & PEO of the Department. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2022, 2023 & 2024.

ITEM - II

- It is resolved that the following new One Credit course and its syllabi under (Revised) Regulations 2020 be approved and passed.
20ECI017 - AI AND ML IN AUTOMATION AND ROBOTIC SYSTEMS

ITEM - III

- It is resolved that the following NPTEL courses are approved for credit transfer during APRIL/MAY 2025.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
PROFESSIONAL ELECTIVES		
1	noc25-cs46 - Introduction to Machine Learning	20EC2E08- Pattern Recognition and Machine Learning (Professional Elective)
2	noc25-cs51 - Natural Language Processing	20EC2E21- Natural Language Processing (Professional Elective)
3	noc25-ee16 - Deep Learning	20CS2E05 Deep Learning (Professional Elective)
4	noc25-cs43 - Introduction To Industry 4.0 and Industrial Internet of Things	20ME2E14 - Industry 4.0 (Professional Elective)
5	noc25-cs11 - Cloud Computing	20EC2E30- Cloud Computing (Professional Elective)
6	noc25-ee09 - Biomedical Signal Processing	20EC2E66 - Biomedical Signal Processing (Professional Elective)
7	noc25-ce46 - Remote Sensing and GIS for Rural Development	20CE2E56 Remote Sensing and GIS for Urban Planning and Management (Open Elective)
8	noc25-cs46 - Introduction to Machine Learning	20CS2E64 Machine Learning (Open Elective)
9	noc25-ee54 - Network Security	20EC2E70 – Security in IoT (IoT Specialization)

ITEM - IV

- It is resolved that the Result Analysis for the Academic Year 2024 – 2025 (Semesters VII/ V/ III) are approved and passed.

Particulars	VII Semester Batch: 2021 - 2025	V Semester Batch: 2022 - 2026	III Semester Batch: 2023 - 2027
No. of Students Registered in all the subjects	193	201	204
No. of Students Appeared in all the subjects	192	197	204
No. of Students Passed all the subjects	183	149	167
Overall Pass Percentage	95.31%	75.63%	81.86%

ITEM – V

- It is resolved that the following candidates who have registered for additional credits during April/May 2024 examination under the Specialization/Minor courses category

Verticals shall be approved according to the communication from Anna University, Chennai via Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022.

Specialization/Minor: Internet of Things

Batch: 2022-2026

Courses Offered:

1. 20EC2E44 – Cloud Architecture and Computing
2. noc25-ec54-Network security

S.No	Register No.	Name	CGPA
1	71812202013	AKSHAYA A V R	8.56
2	71812202004	ABINAYA S	8.39
3	71812202005	ABINAYASHREE S	8.32
4	71812202014	AKSHAYA G S	8.36
5	71812202029	BHARATHKUMAR G	7.61
6	71812202030	BOOMIHA S	8.73
7	71812202036	DARSINI M	8.17
8	71812202040	DHARANYA P	8.85
9	71812202043	DHARSHINI C	8.23
10	71812202044	DHARSHINI R	8.27
11	71812202046	DHINESH R	8.67
12	71812202052	GAYATHRI N A	7.74
13	71812202054	GOKILESHNAVI S	8.47
14	71812202107	INDIRA S	8.95
15	71812202119	KAVIYASRI A	8.23
16	71812202124	LAKSHAYA K	7.78
17	71812202127	MADHUMITHA P	8.1
18	71812202141	NAKSHATHRAA N B	8.22
19	71812202143	NANTHITHA S	8.15
20	71812202144	NAVEENA S	8.01
21	71812202149	PONNALAKU G	8.0
22	71812202156	PRATHISTA P R	7.69
23	71812202230	SOWGANTHIKA P	8.45
24	71812202232	SRI HARINI S	9.04

ITEM – VI

It is resolved that the following Mandatory courses be approved for the students in B.E. Electronics and Communication Engineering programme.

Personality and Character Development

S.No	Course Code	No. of Students Completed
1.	20MC022-Institute of Electronics and Telecommunication Engineers – Student Chapter	22
2.	20MC021-Association of Electronics and Communication Engineering	28
3.	20MC201- Sports and Games	15
4.	20MC202 - Empowerment Through Yoga	17
5.	20MC205- Youth Red Cross	3
6.	20MC212- Tamil Mandram	1
7.	20MC214- Philatelic Club	2
8.	20MC215- Phorartz Club	15
9.	20MC216-Quiz Club	3
10.	20MC221-Uyir Club	8
11.	20MC222-Yi Yuva	45
12.	20MC204 -National Service Scheme	8
13.	20MC208- Soft Skills	18
14.	20MC209 English Literary Society	6
15.	20MC218-Reading Club	3
Total		194

Allied Skills - 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	Infosys Springboard: Basic Csharp Programming	18
2.	Infosys Springboard: Python Programming For Beginners - Learn in 100 Easy Steps	9
3.	Infosys Springboard: Programming Using C++	148
4.	Coursera: Crash Course on Python	8

5.	Coursera: The Arduino Platform and C Programming	2
6.	Infosys Springboard: Introduction to Python	9
Total		194

Placement / EDC / Overseas Education

S.No	Course Code	No. of Students Completed
1.	20MC291-Employment Enhancement Course	193
2.	20MC293- Entrepreneurship Development Centre	1
Total		194

Batch: 2022 -2026

Personality and Character Development

S.No	Course Code	No. of Students Completed
1.	20MC022-Institute of Electronics and Telecommunication Engineers – Student Chapter	12
2.	20MC021-Association of Electronics and Communication Engineering	4
3.	20MC201- Sports and Games	3
4.	20MC214- Philatelic Club	2
5.	20MC208- Soft Skills	174
6.	20MC205- Youth Red Cross	2
7.	20MC210-Science Association	4
Total		201

Allied Skills - 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	Infosys Springboard: Basic Csharp Programming	112

2.	Infosys Springboard: Python Programming for Beginners- Learn In 100 Easy Steps	60
3.	Infosys Springboard: Programming Using C++	9
4.	Infosys Springboard: Embedded Systems Object – Oriented Programming in C And C++	8
5.	Infosys Springboard: Learn and Master C Programming for Absolute Beginners	5
6.	Coursera: 5G for Everyone	1
7.	Coursera: IoT Devices	3
8.	NPTEL: Environment Science	2
Total		200

Batch: 2023 – 2027

Personality and Character Development

S.No	Course Code	No. of Students Completed
1.	20MC022-Institute of Electronics and Telecommunication Engineers – Student Chapter	9
2.	20MC021-Association of Electronics and Communication Engineering	23
3.	20MC201- Sports and Games	12
4.	20MC202- Empowerment Through Yoga	4
5.	20MC205- Youth Red Cross	
6.	20MC212- Tamil Mandram	7
7.	20MC214- Philatelic Club	2
8.	20MC215- Phorartz Club	12
9.	20MC216-Quiz Club	7
10.	20MC221-Uyir Club	3
11.	20MC222-Yi Yuva	43

12.	20MC204 -National Service Scheme	12
13.	20MC208- Soft Skills	21
14.	20MC209 English Literary Society	12
15.	20MC218-Reading Club	9
16.	20MC023- Social Innovation Club	15
Total		182

Allied Skills - 20MC275- Technical Certification

S.No	Course Code	No. of Students Completed
1.	20MC275- Technical Certification Infosys Springboard: Basic Csharp Programming	4
2.	20MC275- Technical Certification Infosys Springboard: Programming Using C++	174
3.	20MC275- Technical Certification Coursera: Machine Learning With Python	1
4.	20MC275- Technical Certification Infosys Springboard: C Programming	2
5.	20MC275- Technical Certification National Skill Development Cooperation: Battery Technology And Its Applications	1
6.	20MC275- Technical Certification National Skill Development Cooperation: Machine Language	11
7.	20MC275- Technical Certification National Skill Development Cooperation: Python Programming	4
8.	20MC275- Technical Certification National Skill Development Corporation: Python For Data Science	4
9.	20MC275- Technical Certification National Skill Development Corporation: Communication Skills	1
Total		202

ITEM – VII

It is resolved that the following students who had completed 4/6 weeks of internship/inplant training be approved in B.E. Electronics and Communication Engineering programme.

S.No	Industry	No of Students Completed
1.	Acheron Software Consultancy	1
2.	BlueYonder	2
3.	Cognizant	1
4.	Delta Electronics	8
5.	Dhyan Networks and Technologies	1
6.	Iamneo.ai	1
7.	Kaar Technologies	1
8.	Orchestro.AI	2
9.	Procyon	2
10.	Rane Steering Systems Pvt Ltd	2
11.	Sahyog Galactica India Technology Private Limited	1
12.	Schneider Electric	1
13.	Soliton	1
14.	Tessolve Semiconductors	1
15.	Visteon Corporation	5
16.	MSME – Technology Development Centre	14
17.	Zepto Logics Technologies Private Limited	5
18.	Craper soft	1
19.	Robomiracle Technologies Pvt. Ltd	12
20.	IEP Maxine Automation,	17
21.	Sunshiv Electronic Solutions	15
22.	Michael Electronics	12
23.	NLC India Ltd	4
24.	Enthu Technology Solutions Pvt Ltd.,	8
25.	Genn Automation	5
26.	Praya Labs	5
27.	NSIC – Technical Services Centre	4
28.	Roots Industries India Pvt., Ltd	6
29.	Valvetork Control India Pvt. Ltd	7
30.	Sanmic Digital	7
31.	Smartedgeteq Pvt. Ltd	6
32.	ITI Ltd	1
33.	Axis Global Automation	10
34.	Chip Crafts Private Ltd	7
35.	Frigate	4
36.	Vintech Controls and Devices Pvt. Ltd	1
37.	Sri Sal Telecom	1
38.	Mindtech Electricals	1
39.	3Q Technologies	4
40.	Southern Railway	12
41.	Hari Infotech	1
42.	UI Bridge Solutions	1
43.	Chennai Metro Rail Ltd,	4
44.	Elitecrows	9
45.	Emglitz Technologies	6
46.	BTW Business Solutions	1
47.	Water Resource Department,	3
48.	Krish Tec	15
49.	V Key	2

50.	Topgrip Instruments Company	5
51.	Pricol Ltd	2
52.	Salzer	17
53.	Assistanz	1
54.	Integral Coach Factory	1
55.	EQ Technologies	14
56.	Elgi Equipments	2
57.	Crescent Infotech	1
58.	JSW Steel	1
59.	New Qbitronics	1

Batch: 2022 – 2026

S.No	Industry	No of Students Completed
1.	3Q Technologies	3
2.	Atchayam Electronics, Coimbatore	9
3.	BumbleBee Inc Coimbatore	15
4.	Chip Crafts	19
5.	Emglitz Technologies, Coimbatore	20
6.	Hindustan Aeronautics Limited, Bangalore	1
7.	Gateway Software Solutions, Coimbatore	3
8.	KRISHTEC, Coimbatore	12
9.	M.S.B Industries, Coimbatore	3
10.	Pioneer Circuits, Coimbatore	10
11.	Praya Labs, Thiruvannamalai	2
12.	Roots Industries India Limited	9
13.	TRIOX Technology, Coimbatore	7
14.	Swelect HHV Solar Photovoltaics Private Limited, Coimbatore	3
15.	SALZER Electronics Limited	12
16.	AAtek Robo Tech Private Limited	3
17.	Artispec Technology Private Limited, SREC SPARK Coimbatore	3
18.	Capersoft, Coimbatore	1
19.	CIM System	3
20.	Essaar Electrical and Electronics, Coimbatore	2
21.	Mechmet Engineers	6
22.	Kriyatech, Coimbatore	2
23.	Plexus Solutions, Coimbatore	1
24.	Pricol Ltd, Coimbatore	1
25.	Rieter India Private Limited, Coimbatore	2
26.	Softyuga, Coimbatore	3
27.	Sunshiv Electronic Solutions, Coimbatore	3
28.	TECH PRO Solutions	6
29.	Teplar Solution Pvt Ltd, Coimbatore	8
30.	Tessolve Semiconductors, Coimbatore	2
31.	Vtronics Automation, Ganapathy	3

ITEM – VIII**LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2024-2025**

READMITTED CANDIDATES - NIL

TRANSFERRED CANDIDATES - NIL

ITEM – IX

It is resolved that the proposed Regulations 2025 (Outcome based Curriculum through Choice based Credit System) be approved and passed.

Minimum number of Credits to be earned for the successful completion of B.E./B.Tech. Programmes for

- Regular candidates (4 years) : 161 credits
- Lateral Entry candidates (3 years) : 120 credits

Duration of the Programme

Degree	Stipulated number of Semesters	Permitted number of Semesters
B.E./B.Tech	8	14
B.E./B.Tech (Lateral)	6	12

Regulations 2025 – Course Categorization

Course Category	Description	Credits
Basic Science Courses (BSC)	Courses related to Mathematics and Sciences	18
Humanities, Social Science & Management Courses (HSSM)	Courses including humanities, social sciences and Management studies	12
Engineering Sciences Courses (ESC)	Foundation courses relevant to the chosen programme of study	18
Professional Core Courses (PCC)	Core courses relevant to the chosen programme of study	50
Professional Electives Courses (PEC)	Elective courses relevant to the chosen programme of study	18
Open Electives Courses (OEC)	Elective Courses of other programme of study	6
Multidisciplinary Minor Courses (MMC)	Elective Courses of other programme specific to the programme of study.	9
Ability Enhancement Courses (AEC)	Courses relevant to Employability skills, Soft skills, Life skills	6
Skill Enhancement Courses (SEC)	Courses that helps developing skills and knowledge in a specific domain	4

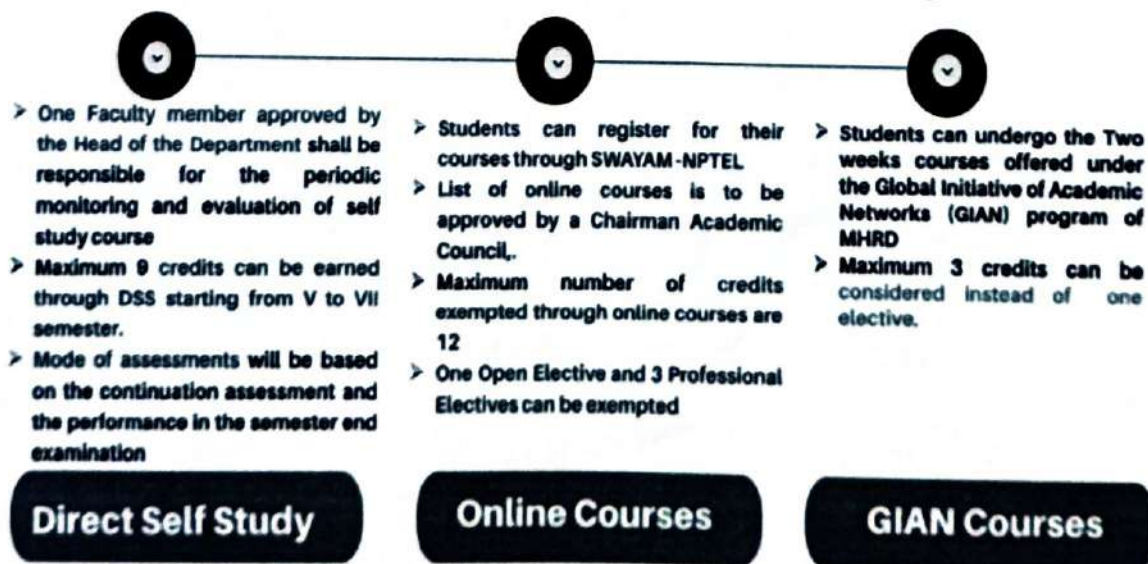
Value Added Courses (VAC)	Courses that helps to enhance the skills and abilities beyond the regular curriculum	4
Liberal Arts Courses (LAC)	Courses from humanities, social sciences, natural sciences, arts etc	4
Experiential Learning Courses (ELC)	Courses related to project based learning, internships	12
Mandatory Courses (MC)	Cocurricular / Extracurricular courses	(Non- credited)
Total Credits		161

Regulations 2025 – Course Enrollment



Regulations 2025 – Credit Transfer

The student does not have current arrears and earns a CGPA of 7.5 and above upto the previous semester are eligible



Regulations 2025 – Experiential Learning

The Student should earn 2 Credits through Experiential Learning between 3rd to 7th Semester

- Industrial Training/Internship or
- Community/Society Project or
- Gap Year Concept

Industrial Training / Internship

- 2 to 3 Weeks - 1 Credit
- 4 to 6 Weeks - 2 Credits
- Evaluation will be done based on the report and Viva-Voce examination conducted internally by a department committee constituted by the Head of the department.

Community/Society Project

- Identify projects to address the problems, develop solutions, put into practice for the betterment of rural and urban community near the location

Gap Year Concept

- Granting One Year gap period for the purpose of pursuing entrepreneurship in residence (or) working on "Startup Idea" at the college level
- Gap Year will not be considered as Break of Study

Regulations 2025 – Project Based Learning

- Project Work by single or group of candidates
- Head of the Department should constitute a Review Committee
- There shall be two assessments during the semester by the Review Committee
- The Final evaluation will be carried by the Project coordinator, Project Guide and an External Evaluator



Mini Project

- ✓ II Year
- ✓ III & IV Semester
- ✓ Maximum Team size of 4

Multidisciplinary Project

- ✓ III Year
- ✓ IV & V Semester
- ✓ Maximum Team size of 4

Project Work

- ✓ IV Year
- ✓ VIII Semester
- ✓ Maximum Team size of 3

Regulations 2025 – Attendance Requirements

Every candidate is expected to attend all classes and seek 100% Attendance



Eligible



Detained



Attendance Waiver

- The candidate shall secure not less than 75% attendance course wise.
- A candidate who secures less than 65% attendance in a course will not be permitted to write the end semester examination for that course.
- The candidate has to register and repeat this course in a subsequent semester when the course is offered next.

- A candidate who secures less than 65% of overall attendance will not be permitted to appear for the End Semester Examinations
- The candidate should seek the readmission to the same semester in the subsequent academic year.

- If a candidate secures attendance between 65% and 75% in any course in the current semester due to medical reasons he/she may be given exemption to appear for the current semester examinations in that course.
- Duty leave exemption during a semester will be limited to 10% of the required attendance in that semester.

Theory Courses

Continuous Assessment 40%		End Semester 60%	
Components	Weightage	Components	Weightage
Continuous Assessment Test - I	15	End Semester Exam	60
Continuous Assessment Test - II	15		
Term Work (TW)	05		
Self Learning (SL)	05		

Laboratory Courses

Continuous Assessment 60%		End Semester 40%	
Components	Weightage	Components	Weightage
Cycle Test - I	10	Viva	10
Cycle Test - II	10		
Lab Weekly Exercise & Observation	30	Lab Exercise & Output	30
Record	10		

Theory Cum Lab Courses

Type	Continuous Assessment 50%		End Semester 50%	
	Components	Weightage	Components	Weightage
LAB	Cycle Test - I	10	--	
	Lab Weekly Exercise & Observation	10		
	Record	05		
Theory	Continuous Assessment Test - I	10	End Semester Exam	50
	Continuous Assessment Test - II	10		
	Term Work (TW)	05		



For
L - T - P
2 - 0 - 2
3 - 0 - 2

Project Work/
Mini Project/
Multidisciplinary Project

Continuous Assessment 60%		End Semester 40%	
Components	Weightage	Components	Weightage
Review I	10	Presentation	10
Review II	10		
Review III	15	External Viva	10
Review IV	15		
Review by Guide	10	Report Evaluation	10
		Paper Publication/ PoC/Prototype	10

Internship/
Industrial Training

Continuous Assessment 100%	
Components	Weightage
Assessment by Industry	20
Presentation	30
Case Study / Report	20
Viva-voce	30

Regulations 2025 – Passing Requirements

- A candidate must who has obtained minimum of 45% marks in the end semester examination, in both Theory and Practical Courses

- A candidate should secure not less than 50% (Internal Assessment + End semester examinations marks)
- A student is deemed to have passed in any course carrying only Continuous Assessment marks if the total mark secured by him/her is at least 50%
- If a candidate fails to secure a pass in a theory course/laboratory course, the student shall register and appear only for the end semester examinations in the subsequent semester. In such case, the internal assessment marks obtained by the candidate in the first appearance shall be retained till the second attempt.
- From the third attempt onwards the candidate shall be declared to have passed the examination if S/he secures a minimum of 50% marks prescribed for the end semester examination alone.

Regulations 2025 – Classification of Degree

First Class with Distinction	First Class	Second Class
• Having passed the examination in all the courses within the stipulated number of Semester of study in First Appearance plus One Year (Two Semesters) which includes authorised break of study • The candidate should have secured a CGPA of not less than 8.50 in all the courses prescribed for the programme of study.	• Having passed the examination in all the Courses within the stipulated number of Semesters plus One Year (Two Semesters) including authorized Break of Study. • The candidate should have secured a CGPA of not less than 6.5 in all the Courses prescribed for the Programme of Study.	• All other candidates who qualify for the award of the Degree shall be declared to have passed the Examination in Second Class.

Regulations 2025 – B.E./B.Tech Honors Specializations/Minors

Students will be permitted to register Specialization / Minor courses from 5th semester onwards. The eligibility criteria will be the (N-1)th semester performance - passed all the courses in first attempt and earns a CGPA of 7.5 and above



- Earned additionally a minimum of 18 credits from a vertical of the same programme
- Passed all the courses in the first attempt
- 6 credits in online mode (SWAYAM - NPTEL platform) out of these 18 credits

Specializations

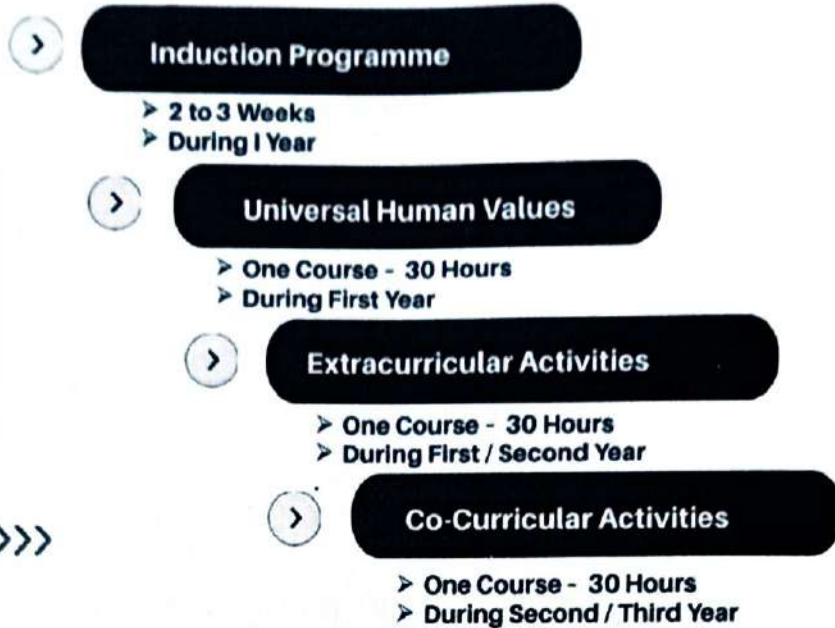


- Earned additionally a minimum of 18 credits in any one of the verticals of other B.E./ B.Tech programmes.
- Passed all the courses in the first attempt
- 6 credits in online mode (SWAYAM - NPTEL platform) out of these 18 credits

Minors

The Student should undergo Mandatory courses as Non-Credited Courses during I to III Year of study

➤➤➤➤➤



ITEM X

It is resolved that the proposed Vision and Mission of the Institution be approved and passed.

EXISTING VISION	PROPOSED VISION
To develop into a leading word class technological university consisting of schools of excellence in various disciplines; with a co-existent centre for engineering solutions development for worldwide clientele.	To become a world-class university excelling in multidisciplinary engineering education through cutting-edge technologies and impactful societal contributions for sustainable development.

EXISTING MISSION	PROPOSED MISSION
To provide all necessary inputs to the students for them to grow into knowledge engineers and scientists attaining. • Excellence in domain knowledge, practice and theory • Excellence in co-curricular and	Provide quality education that builds strong technical, analytical and managerial skills for future professionals. <i>(Deliver Quality Engineering Education) (M1)</i>
	Nurture creativity, innovation and research ecosystem for local and global needs <i>(Encourage Research and Innovation) (M2)</i>

Extra-curricular talents • Excellence in character and personality	Foster ethics, leadership, entrepreneurial and life skills for holistic development <i>(Foster Holistic Growth) (M3)</i>
	Develop technological solutions that enhance sustainability and societal well-being through collaborations <i>(Contribute to Sustainable Development) (M4)</i>

ITEM XI

It is resolved that the proposed Vision and Mission of the Department of Electronics and Communication Engineering be approved and passed.

EXISTING VISION	PROPOSED VISION
To develop Electronics and Communication Engineers by keeping pace with changing technologies, professionalism, creativity, research and employability.	To nurture skilled Electronics and Communication Engineers responsive to evolving technologies, dedicated to impactful research, and committed to enhancing employability in contributing to societal advancement in alignment with sustainable development goals.

EXISTING MISSION	PROPOSED MISSION
To provide quality and contemporary education through effective teaching - learning process that equips the students with adequate knowledge in Electronics and Communication Engineering for a successful career.	To deliver high-quality education that promote the current and future technical skills in Electronics and Communication Engineering. <i>(Deliver Quality Engineering Education) (M1)</i>
To inculcate in students, problem solving and lifelong learning skills that will enable the students to pursue higher studies and career in research.	To foster creativity in cutting-edge research and provide innovative solutions for the societal needs. <i>(Encourage Research and Innovation) (M2)</i>

To prepare engineers who possess effective communication skills, the ability to lead a team, adhering to ethical values and inclination to serve the society.	To empower engineers with leadership skills, ethical and entrepreneurial mindset, enabling them to drive societal progress. <i>(Foster Holistic Growth) (M3)</i>
-	To provide sustainable technological solutions that improve social welfare. <i>(Contribute to Sustainable Development) (M4)</i>

ITEM XII

It is resolved that the proposed Programme Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) of the Department of Electronics and Communication Engineering be approved and passed.

PEOs	EXISTING PEOs	PROPOSED PEOs
PEO1:	Excel in professional career to provide engineering solution by demonstrating technical competence and by acquiring knowledge in Electronics and Communication Engineering.	Acquire knowledge in applied and basic engineering sciences to understand engineering principles to solve problems related to Electronics and Communication Engineering.
PEO2:	Identify, analyze and formulate problems to offer appropriate design solutions that are technically superior, economically feasible, environmentally compatible, professionally ethical and socially acceptable.	Analyze, design and create innovative products/solutions to real life complex problems to cater the societal needs with positive attitude, professional ethics, effective communication and interpersonal skills.
PEO3:	Achieve progress in professional and research career through communication skills, team work and knowledge upgradation through higher education.	Imbibe lifelong learning and research aptitude to the emerging technologies with global competence.

PSOs	EXISTING PSOs	PROPOSED PSOs
PSO1:	Specify, design, implement and test digital and analog electronic systems using state of art component and software tools.	Design and analyze electronic subsystems to address complex engineering problems.
PSO2:	Architect and specify the analog and digital communication systems as per the performance requirement specifications.	Design and analyze communication systems through fundamentals from electromagnetics, signal processing and wireless communication.
PSO3:	Understand and specify the components of RF/Wireless communication systems.	Apply modern tools and appropriate techniques to work as an individual/team in multi-disciplinary domains.

ITEM XII

It is resolved that the proposed Curriculum and its Syllabi for the Semester I and Semester II of the Department of Electronics and Communication Engineering for Regulation 2025 be approved and passed.

Semester wise Credit Distribution – R 2025 (NEP Aligned)

Category	I Sem	II Sem	III Sem	IV Sem	V Sem	VI Sem	VII Sem	VIII Sem	Total Credits
HSSM	3	3				3	3		12
BS	6 (9)	8 (5)	4						18
ES	10 (6)	3 (8)	5 (4)						18
PC		4 (3)	8 (6)	11 (8)	13 (12)	11 (12)	3 (9)		50
PE				(3)	(3)	3	9 (6)	6	18
OE				3	3				6
MMC				3	3	3			9
AEC		2	2	2					6
SEC			2		2				4
VAC			2	2					4
LAC	1	1		2					4
ELC				2		2		8 (6)	12
Total Credits	20	21	23 (20)	25 (22)	21 (23)	22 (23)	15 (20)	14 (12)	161

Semester I

Sl.No.	Course Title	Category	L	T	P	C
1.	Business and Corporate Communication	HSSM	2	0	2	3
2.	Algebra, Differential Calculus and Transforms	BS	3	1	0	4
3.	Applied Materials Science	BS	2	0	0	2
4.	Electric Circuits	ES	3	0	0	3
5.	Electrical Technology	ES	2	0	0	2
6.	Liberal Arts Course 1 – Heritage of Tamils	LAC	1	0	0	1
7.	C Programming	ES	2	0	2	3
8.	Electric Circuits Laboratory	ES	0	0	2	1
9.	Engineering Graphics and Design Laboratory	ES	0	0	2	1
Total Credits						20

Semester II

Sl.No.	Course Title	Category	L	T	P	C
1.	Social Science Course (Universal Human Values /Constitution of India/ Indian Knowledge Systems)	HSSM	3	0	0	3
2.	Integral Calculus, Fourier Series and Transforms	BS	3	1	0	4
3.	Electrochemical Science	BS	2	0	0	2
4.	Neuroscience	BS	1	0	0	1
5.	Electron Devices and Circuits	PC	3	0	0	3
6.	Ability Enhancement Course 1 (Functional English / Foreign Languages - Basic German/ Basic Japanese)	AEC	2	0	0	2
7.	Liberal Arts Course 2 – Tamils and Technology	LAC	1	0	0	1
8.	Programming Solving using Python	ES	2	0	2	3
9.	Basic Science Laboratory	BS	0	0	2	1
10.	Electronic Devices and Circuits Laboratory	PC	0	0	2	1
Total Credits						21

ITEM XIII

It is resolved that the following new courses and its syllabi be approved and passed under Regulations 2025 for the respective programmes.

DIGITAL SYSTEMS (B.Tech IT and AI&DS)

AIRCRAFT ELECTRICAL AND ELECTRONIC SYSTEMS (B.E. AERO)

Suggestions by expert members on Regulations, Curriculum, various courses and electives.

Applied Material Science:

- Dr.V.P.Harigovindan, Expert Nominee suggested that the content focusing on Semiconductor materials can be increased to 2 units. He also suggested that the semiconductor devices like diode, transistor diode equations, diode characteristics also can be moved to Applied Material science. This helps to focus more on circuits part in the course Electron Devices and Circuits.
- Dr.G.Srivatsun, Expert Nominee suggested to rename the title as Material Science.

Electron Devices and Circuits:

- Dr.V.P.Harigovindan, Expert Nominee informed that unit 2 is very lengthy. He suggested that BJT and its characteristics can be one unit and BJT as amplifier and its analysis can be another unit. There is no content about the Feedback Amplifiers and Oscillators.
- Dr.G.Srivatsun, Expert Nominee suggested to include UJT and SCR.

Algebra, Differential Calculus and Transforms:

- Dr.G.Srivatsun, Expert Nominee suggested to rename the title as Calculus and Transforms.

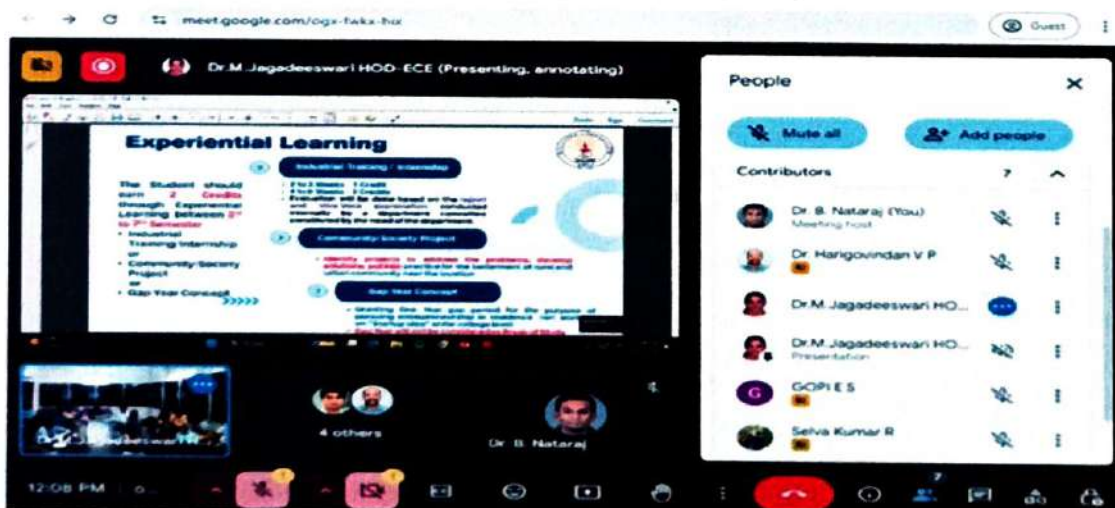
C Programming:

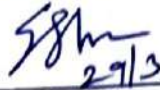
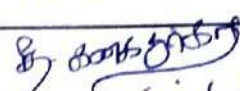
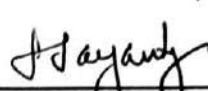
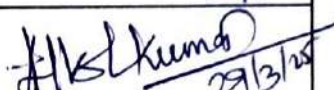
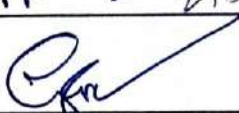
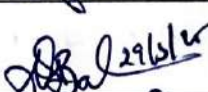
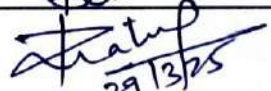
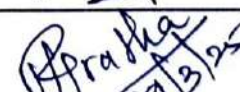
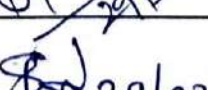
- Ms. Kanagadurga Deenadayalan, Alumni Expert suggested to consider cyclic nature of unsigned int, signed int, char and include storage class, bit-wise operators, precedence of operators.

Electrochemical Science:

- Dr.G.Srivatsun, Expert Nominee suggested to rename the title as Electrochemistry.
- Dr.V.P.Harigovindan, Expert Nominee suggested to change the terminology for Duty Leave and also to consider inclusion of Foreign Language – Mandarin. He suggested referring persons at Indo – Taiwan centre, Delhi.
- Ms. Kanagadurga Deenadayalan, Alumni Expert suggested to invite Industry member for Industrial Training/Internship Evaluation.
- Dr.V.P.Harigovindan, Expert Nominee suggested to include the following points with respect to the curriculum.

- a. Signals and Systems and DSP can be two different courses.
- b. One course in Information Theory and Coding.
- c. One core course in Communication Networks.
- Dr.Selvakumar Ramasethu, Industry Nominee suggested to incorporate case studies with live examples for application oriented subjects.
- Dr.G.Srivatsun, Expert Nominee suggested to incorporate the following points with respect to the curriculum.
 - Electromagnetic Fields and Transmission lines & Waveguides subjects shall be combined and renamed as Electromagnetic Fields and Waveguides. The subject shall be evaluated as continuous Assessment (CA).
 - Antennas and Microwave Engineering subject shall be treated as two different subjects
 - a. Antennas and Wave propagation
 - b. Microwave Engineering
 - Control System Theory subject shall be renamed as Control Systems or Control System Engineering
- Dr.E.S.Gopi, University Nominee suggested not to award 3 credits for two weeks GIAN course as it does not have any assessment.
- Dr.E.S.Gopi, University Nominee suggested to combine Term work and Self-Learning and categorize as Assessment 3 for 10 marks
- Dr.E.S.Gopi, University Nominee suggested to increase the guide mark for the Project/Miniproject and need not have separate mark for paper publication. He suggested to designate the category Paper Publication/PoC/Prototype as Project Outcome.
- Dr.E.S.Gopi, University Nominee suggested to include Wireless Networks, combine Microwave and Optical Communication, rename Analog and Digital Communication as Communication Theory with Information Coding and Error Control included in the course contents. He suggested to have Image Processing as a professional elective course.



Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	 29/3/25
Dr. E. S. Gopi	University Nominee	 29/3
Dr.V.P. Harigovindan	Subject Expert from IIT/ other Central Govt. Research labs	Attended Online
Dr.G.Srivatsun	Subject Expert from Parent University	 29/3/25
Dr.Selvakumar Ramasethu	Industry Expert	Attended Online
Ms.Kanaga Durga Deenadayalan	Meritorious Alumnus	 29/3/25
Dr.S.Jayanthi	Member	
Dr.H.Mangalam	Member	 29/3/25
Dr.N.Sathish Kumar	Member	 29/3/25
Dr.G.Gopu	Member	
Dr.C.S.Manikandababu	Member	 29/3/25
Dr.B.Nataraj	Member	 29/3/25
Dr.B.R.Sathish Kumar	Member	B.R. Sathish Kumar 29/03/2025
Dr.S.P.Vimal	Member	
Dr. K.R.Prabha	Member	 29/3/25
Dr.S.Lakshmi Narayanan	Member	 29/03/2025
Dr.M.Kasiselvanathan	Member	
Mr.T.Rajasekar	Member	- ON - DUTY -
Mr.M.Selvaganesh	Member	
Mr.P.Mohanraj	Member	- LEAVE -

Dr.K.Balamurugan	Member	<i>[Signature]</i>
Dr.P.Vasanthi	Member	<i>P Vasanthi</i>

[Signature]
29/12/25

CHAIRPERSON
BOARD OF STUDIES
Department of Electronics and
Communication Engineering



SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

MINUTES OF THE 20th BOARD OF STUDIES ONLINE MEETING FOR THE UG B.E., ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD ON 19th November 2024 AT 10:00 AM.

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr. E. S. Gopi Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli.	University Nominee
3.	Dr.V.P. Harigovindan Associate Professor/ECE and Dean (Planning & Development), National Institute of Technology, Puducherry.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr.G.Srivatsun Associate Professor/ECE, PSG College of Technology, Coimbatore.	Subject Expert from Parent University
5.	Dr.Selvakumar Ramasethu Senior Principal Solutions Engineer, Cadence Design Systems, Bengaluru	Industry Expert
6.	Ms.Kanaga Durga Deenadayalan Cluster Lead & Senior Software Engineer Function Owner for Honda Projects, Bosch Global Software Technologies, Coimbatore	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE, SREC	Member
8.	Dr.N.Sathish Kumar, Professor/ECE, SREC	Member
9.	Dr.G.Gopu, Professor/ECE, SREC	Member

10.	Dr.C.S.Manikandababu, Associate Professor/ECE, SREC	Member
11.	Dr.B.Nataraj, Associate Professor/ECE, SREC	Member
12.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
13.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
14.	Dr. K.R.Prabha, Associate Professor/ECE, SREC	Member
15.	Dr.M.Kasiselvanathan, Associate Professor/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Assistant Professor (Sl.Gr.) / ECE, SREC	Member
17.	Mr.T.Rajasekar, Assistant Professor(Sr.G)/ECE, SREC	Member
18.	Mr.M.Selvaganesh Assistant Professor(Sr.G)/ECE, SREC	Member
19.	Mr.P.Mohanraj, Assistant Professor/ECE, SREC	Member
20.	Dr.K.Balamurugan, Associate Professor/EEE, SREC	Member
21.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **20th BoS meeting**. Chairperson disseminated the Vision, Mission, PO, PSO & PEO of the Department. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2021 & onwards.

ITEM - II

- It is resolved that the syllabi for the following new Professional Elective courses and its syllabi under (Revised) Regulations 2020 be approved and passed.

20EC2E71 – ADVANCED MOBILE TECHNOLOGIES

20EC2E72 – COGNITIVE RADIO COMMUNICATION

ITEM - III

- It is resolved that the following NPTEL courses are approved for credit transfer during NOVEMBER/DECEMBER 2024.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
PROFESSIONAL ELECTIVES		
1	noc24-cs114 - Deep Learning - IIT Ropar	20CS2E05 - Deep Learning
2	noc24-ee146 - Machine Learning and Deep Learning - Fundamentals and Applications	20CS2E05 - Deep Learning / 20EC2E46-Artificial Intelligence for IoT
3	noc24-cs95 - Introduction to Industry 4.0 and Industrial Internet of Things	20ME2E14 - Industry 4.0
4	noc24-ee133 - Digital Image Processing	20EC2E06 - Image Processing Techniques
5	noc24-ee111 - Analog VLSI Design	20EC2E09 - Analog VLSI Circuit Design
6	noc24-ee104 - Principles and Techniques of Modern Radar Systems	20EC2E68 - Radar Signal Processing
7	noc24-cs118 - Cloud Computing	20EC2E30 - Cloud Computing
8	noc24-ee152 - 5G Wireless Standard Design	22EC2E39 - 5G Communication Networks
OPEN ELECTIVES		
9	noc24-ce77 - Municipal Solid Waste Management	20CE2E51 - Waste Management
10	noc24-mg113 - Advanced R Programming for Data Analytics in Business	20CS2E62 - Data Analytics
11	noc24-cs101 - Introduction to Machine Learning	20CS2E64 - Machine Learning
12	noc24-ph29 - Physics of Renewable Energy Systems	20EE2E51 - Renewable Energy Systems
13	noc24-ge54 - Sustainable Power Generation Systems	20EE2E52 - Power Generation Systems
14	noc24-ma87 - Essential Mathematics for Machine Learning	20MA2E02 - Mathematics for Machine Learning

ITEM - IV

- It is resolved that the Result Analysis for the Academic Year 2023 – 2024 (Semesters VIII/ VI/ IV) are approved and passed.

Particulars	VIII Semester Batch: 2020 – 2024	VI Semester Batch: 2021 - 2025	IV Semester Batch: 2022 - 2026
No. of Students Registered in all the subjects	191	193	201
No. of Students Appeared in all the subjects	191	187	195
No. of Students Passed all the subjects	191	115	123
Overall Pass Percentage	9100%	61.5%	63.08 %

ITEM – V

It is resolved that the following new courses and its syllabus under (Revised) Regulations 2020 for the Honors Specialization / minor (IoT) in B.E. Electronics and Communication Engineering degree programme be approved and passed.

20EC2E70 – SECURITY IN IOT

ITEM – VI

- It is resolved that the following candidates who have registered for additional credits during April/May 2024 examination under the Specialization/Minor courses category Verticals shall be approved according to the communication from Anna University, Chennai via Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022.

Specialization/Minor: Internet of Things

Batch: 2021-2025

Courses Offered:

20EC2E45 – Industrial Internet of Things

noc24-ee146 -Machine Learning and Deep Learning - Fundamentals and Applications

S.No	Register No.	Name	CGPA
1	71812102047	HARI GANESH P	8.16
2	71812102057	JEEVA MEENA U	8.78
3	71812102060	JOSHIKA S	9.11
4	71812102115	MANJUNATHA SATHISH A	8.84
5	71812102123	MONICA SN	8.56
6	71812102125	NANTHITHA M	8.24
7	71812102130	NETHRA G S	8.32
8	71812102143	PRADEESH M	8.12
9	71812102156	SAKTHI KUMAR S	8.65
10	71812102222	SUDHARSAN S	8.67
11	71812102230	SUTHAKAR G	8.38
12	71812102239	VALENTINA R	8.18
13	71812102242	VIGNESH A P	8.16
14	71812102252	N.VINODHA	8.36
15	71812110013	GAUTHAM RAMKUMAR	9.04
16	71812110026	NIRMAL.P	7.96

20EC2E45 – Industrial Internet of Things

20EC2E70 – Security in IOT

S.No	Register No.	Name	CGPA
1	71812102131	NIKHIL J U	8.23
2	71812110021	LOGESH.S	8.6

Certifications through Centre for Continuing Education

S.No	Register No.	Name	CGPA
1	71812102144	PRANEET S	0
2	71812102145	PRAVEEN VIKRAM S	0

Batch: 2022-2026**Courses Offered:**

1. 20EC2E40- IoT Architecture and Protocols
2. 20EC2E41- IoT System Design and Platforms

S.No	Register No.	Name	CGPA
1	71812202013	AKSHAYA A V R	8.55
2	71812202004	ABINAYA S	8.32
3	71812202005	ABINAYASHREE S	8.40
4	71812202014	AKSHAYA G S	8.42
5	71812202029	BHARATHKUMAR G	7.61
6	71812202030	BOOMIHA S	8.66
7	71812202036	DARSINI M	8.16
8	71812202040	DHARANYA P	8.88
9	71812202043	DHARSHINI C	8.19
10	71812202044	DHARSHINI R	8.32
11	71812202046	DHINESH R	8.64
12	71812202052	GAYATHRI N A	7.72
13	71812202054	GOKILESHNAVI S	8.49
14	71812202107	INDIRA S	8.80
15	71812202119	KAVIYASRI A	8.17
16	71812202124	LAKSHAYA K	7.75
17	71812202127	MADHUMITHA P	7.96
18	71812202141	NAKSHATHRAA N B	8.25
19	71812202143	NANTHITHA S	8.12
20	71812202144	NAVEENA S	7.89
21	71812202149	PONNALAKU G	8.18
22	71812202156	PRATHISTA P R	7.63
23	71812202230	SOWGANTHIKA P	8.56
24	71812202232	SRI HARINI S	9.02

ITEM - VII**LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2024-2025****READMITTED CANDIDATES****71812202135 – Mohammed Bhaker - Readmitted in III Semester****TRANSFERRED CANDIDATES - NIL**

ITEM – VIII

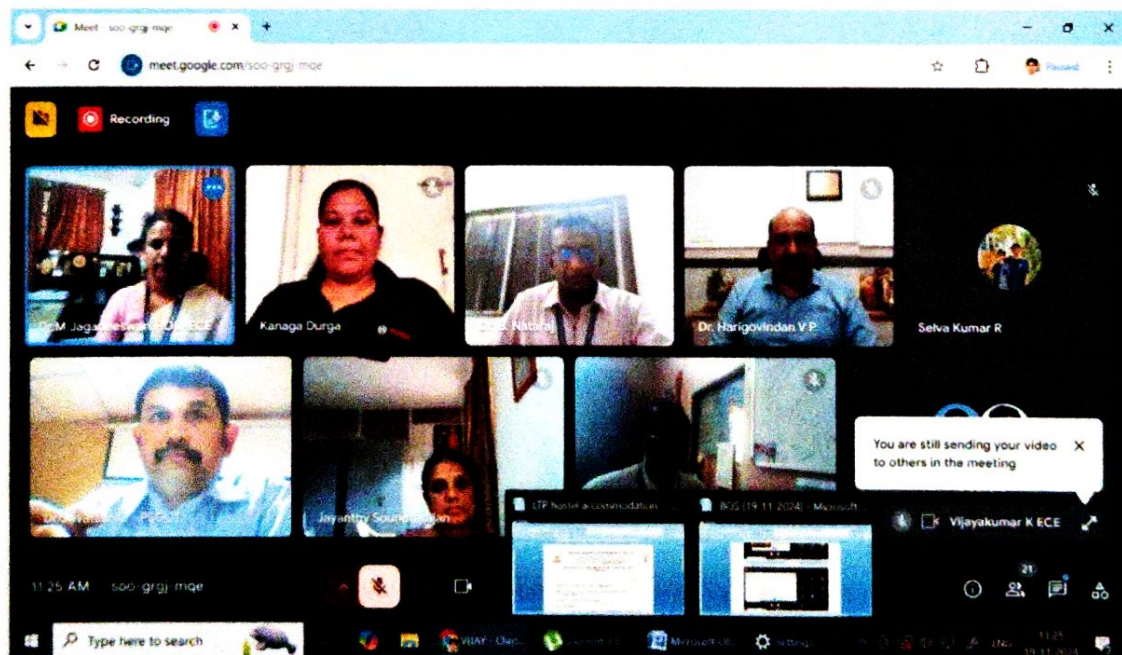
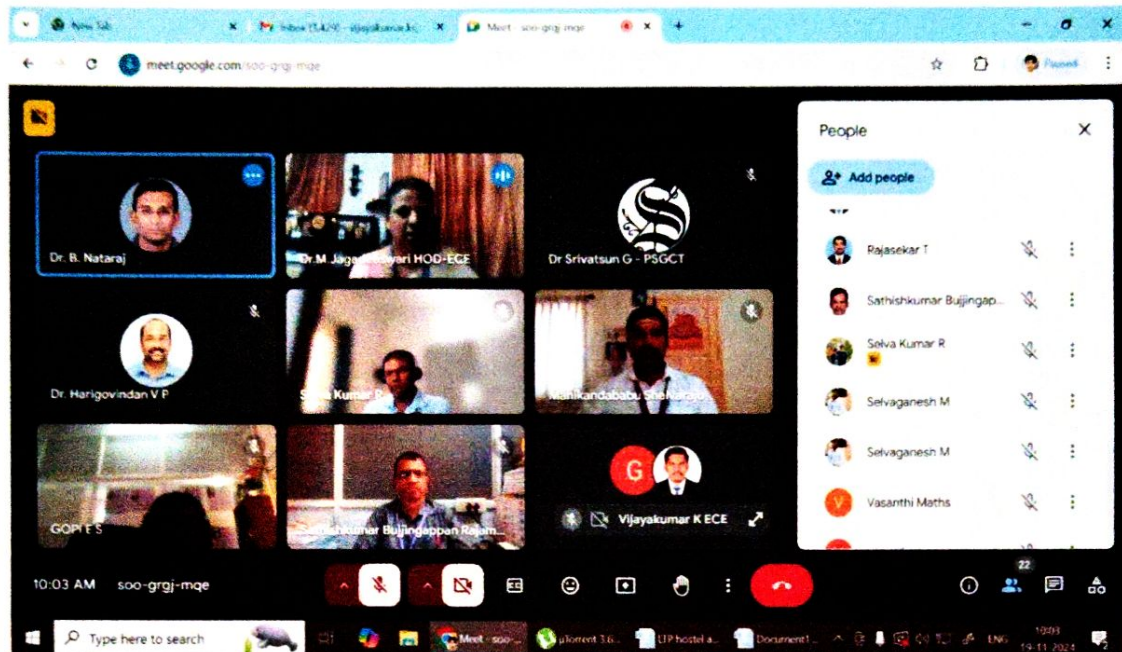
The Chairperson presented the proposed Vision & Mission statements of the Institution to get the suggestions of the Expert Members.

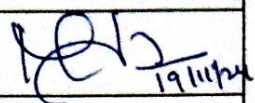
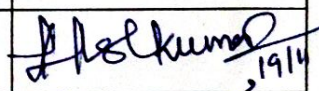
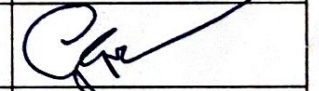
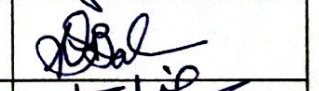
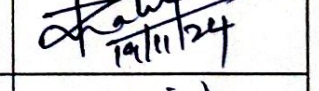
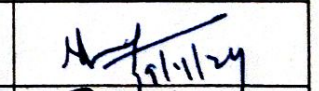
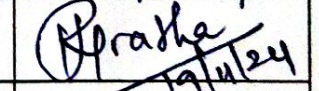
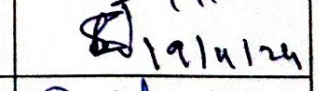
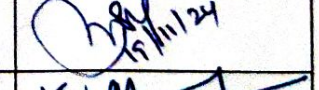
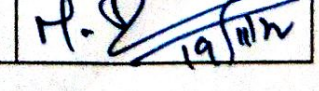
Suggestions by expert members on Regulations, Curriculum, various courses and electives.

- Dr.E.S.Gopi, University Nominee suggested to change the title of Module V in 20EC2E71 – Advanced Mobile Technologies course and include the content from the book Machine Learning for Future Wireless Communications and modify the contents for module IV and V and include Digital Signal Processing for Wireless Communication using Matlab as the reference book.
- Dr.V.P.Harigovindan, Expert Nominee enquired about the provision of academic autonomy for the verticals and also about the norms for specialization/minor category. Dr. M.Jagadeeswari, Chairperson/BoS and Dr.G.Srivatsun, Expert Nominee replied that the verticals are being provided by Anna University, Chennai. Dr.Harigovindan also suggested to list the courses separately for Specialization and Minor courses in the regulation book. He suggested to have introductory courses for minor category and advanced courses for specialization category.
- Dr. V.P.Harigovindan, Expert Nominee enquired about the NPTEL credit transfer details and grading of NPTEL courses. Chairperson/BoS and Dr.N.Sathish Kumar, Professor/ECE informed the members that the grades given by the Anna University, Chennai is followed. He also suggested to get approval from BoS members through mail for the inclusion of new NPTEL courses.
- Dr.V.P.Harigovindan, Expert Nominee suggested to include one module in large scale fading/propagation models and shift the multiple access techniques to 3G Technologies in 20EC2E71 – Advanced Mobile Technologies course. Also asked to check for the typographical errors.
- Dr. V.P.Harigovindan, Expert Nominee suggested to include types of cognitive radio networks in module I in 20EC2E72 – Cognitive Radio Communication course.
- Dr.G.Srivatsun, Expert Nominee suggested to check for the latest reprints for the course 20EC2E70 - Security in IoT.
- Dr.Selvakumar Ramasethu, Industry Expert suggested to include challenges in applying ML to 5G and beyond, Security Enhancement like threat detection, fraudulent in 20EC2E71 – Advanced Mobile Technologies course.
- Dr.Selvakumar Ramasethu, Industry Expert suggested to include practical implementation and hands-on application model like Implementing security features on

popular IoT platforms (e.g., Raspberry Pi, Arduino) and Penetration testing of IoT devices and systems in the course 20EC2E70 - Security in IoT

- Ms. Kanagadurga Deenadayalan, Alumni Expert suggested to include Secure on Board Communications and AUTOSAR standards, security and safety in the course 20EC2E70 - Security in IoT.



Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	 19/11/24
Dr. E. S. Gopi	University Nominee	} Attended Online
Dr.V.P. Harigovindan	Subject Expert from IIT/ other Central Govt. Research labs	
Dr.G.Srivatsun	Subject Expert from Parent University	
Dr.Selvakumar Ramasethu	Industry Expert	
Ms.Kanaga Durga Deenadayalan	Meritorious Alumnus	
Dr.S.Jayanthi	Member	Jayanthi
Dr.H.Mangalam	Member	ABSENT
Dr.N.Sathish Kumar	Member	 19/11/24
Dr.G.Gopu	Member	
Dr.C.S.Manikandababu	Member	
Dr.B.Nataraj	Member	 19/11/24
Dr.B.R.Sathish Kumar	Member	B.R.S. 19/11/2024
Dr.S.P.Vimal	Member	 19/11/24
Dr. K.R.Prabha	Member	 19/11/24
Dr.S.Lakshmi Narayanan	Member	 19/11/24
Dr.M.Kasiselvanathan	Member	 19/11/24
Mr.T.Rajasekar	Member	 19/11/24
Mr.M.Selvaganesh	Member	 19/11/24

Mr.P.Mohanraj	Member	P. Mohanraj 19/11/24
Dr.K.Balamurugan	Member	Dr. K. Balamurugan 19/11/24
Dr.P.Vasanthi	Member	P. Vasanthi 19/11/24


CHAIRPERSON
BOARD OF STUDIES
 Department of Electronics and
 Communication Engineering



SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22
 [Educational Service: SNR Sons Charitable Trust]
 [Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]
 [Approved by AICTE and Permanently Affiliated to Anna University, Chennai]
 [ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

**MINUTES OF THE 19th BOARD OF STUDIES MEETING FOR THE UG B.E.,
 ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD
 ON 01st APRIL 2024 AT 10:00 AM.**

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr.M.D.Selvaraj, Professor and Head/ECE Indian Institute of Technology, Design and Manufacturing, Kancheepuram, Chennai.	University Nominee
3.	Dr.P.Palanisamy, Professor/ECE, National Institute of Technology, Tiruchirappalli.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr. V.Noor Mohammed, Professor and Head/ECE, School of Electronics Engineering, VIT University, Vellore.	Subject Expert from Other University
5.	Mr. Sarath Kumar.T.G PnP Tools Validation Lead Engineer, Intel Technology India Pvt. Ltd, Bengaluru.	Meritorious Alumnus
6.	Dr.S.Jayanthi, Professor/ECE, SREC	Member
7.	Dr.H.Mangalam, Professor/ECE, SREC	Member
8.	Dr.N.Sathish Kumar, Professor/ECE, SREC	Member
9.	Dr.G.Gopu, Professor/ECE, SREC	Member
10.	Dr.C.S.Manikandababu, Associate Professor/ECE, SREC	Member

11.	Dr.B.Nataraj, Associate Professor/ECE, SREC	Member
12.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
13.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
14.	Dr. K.R.Prabha, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
15.	Dr.S.Lakshmi Narayanan, Assistant Professor (Sl.Gr.) / ECE, SREC	Member
16.	Dr.M.Kasiselvanathan, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
17.	Mr.T.Rajasekar, Assistant Professor/ECE, SREC	Member
18.	Mr.M.Selvaganesh Assistant Professor/ECE, SREC	Member
19.	Mr.P.Mohanraj, Assistant Professor/ECE, SREC	Member
20.	Dr.K.Balamurugan, Associate Professor/EEE, SREC	Member
21.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **19th BoS meeting**. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2021 & onwards.

ITEM - II

- It is resolved that the syllabi for the following new Professional Elective courses and its syllabi under (Revised) Regulations 2020 be approved and passed.

20EC2E64 - RFID SYSTEM DESIGN

20EC2E65 - MICROWAVE INTEGRATED CIRCUITS

20EC2E66 - BIOMEDICAL SIGNAL PROCESSING

20EC2E67 - DEEP LEARNING FOR IMAGE PROCESSING

20EC2E68 - RADAR SIGNAL PROCESSING

ITEM - III

- It is resolved that the following new Open Elective courses and its syllabus under (Revised) Regulations 2020 be approved and passed.

20EC2E58 - DIGITAL AND EMBEDDED SYSTEMS

ITEM - IV

- It is resolved that the following NPTEL courses are approved for credit transfer during April/May 2024.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	Natural Language Processing	20EC2E21- Natural Language Processing (Professional Elective)
2	Cloud Computing	20EC2E30- Cloud Computing (Professional Elective)
3	Introduction To Industry 4.0 and Industrial Internet of Things	20ME2E14-Industry 4.0 (Professional Elective)
4	Deep Learning	20CS2E05 Deep Learning (Professional Elective)
5	Data Analytics with Python	20CS2E62 - Data Analytics (Open Elective)
6	Introduction to Machine Learning	20CS2E64 - Machine Learning (Open Elective)
7	Introduction to Database Systems	20IT2E52 - Database Systems (Open Elective)
8	Non-conventional energy Resources	20PH2E02 - Non-Conventional Energy Resources (Open Elective)

ITEM - V

- It is resolved that the Result Analysis for the Academic Year 2023 – 2024 (Semesters VII/ V/ III) are approved and passed.

Particulars	VII Semester Batch: 2020 – 2024	V Semester Batch: 2021 - 2025	III Semester Batch: 2022 - 2026
No. of Students Registered in all the subjects	162	193	201
No. of Students Appeared in all the subjects	161	190	196
No. of Students Passed all the subjects	146	115	117
Overall Pass Percentage	90.68%	60.53 %	59.69 %

ITEM – VI

It is resolved that the following new courses and its syllabus under (Revised) Regulations 2020 for the Honors Specialization / minor (IoT) in B.E. Electronics and Communication Engineering degree programme be approved and passed.

20EC2E69 - 5G TECHNOLOGY AND INTERNET OF THINGS

ITEM – VII

- It is resolved that the following candidates who have registered for additional credits during April/May 2024 examination under the Specialization/Minor courses category Verticals shall be approved according to the communication from Anna University, Chennai via Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022.

Specialization/Minor: Internet of Things

Courses Offered:

20EC2E44 – Cloud Architecture and Computing

20EC2E50 – Microcontrollers for IoT

S.No	Register No.	Name	CGPA
1	71812102047	HARI GANESH P	8.15
2	71812102057	JEEVA MEENA U	8.81
3	71812102060	JOSHIKA S	9.19
4	71812102115	MANJUNATHA SATHISH A	8.85
5	71812102123	MONICA SN	8.51
6	71812102125	NANTHITHA M	8.48
7	71812102130	NETHRA G S	8.31
8	71812102131	NIKHIL J U	8.21
9	71812102143	PRADEESH M	8.16
10	71812102156	SAKTHI KUMAR S	8.48
11	71812102222	SUDHARSAN S	8.58
12	71812102230	SUTHAKAR G	8.36
13	71812102239	VALENTINA R	8.06
14	71812102242	VIGNESH A P	8.14
15	71812102252	N.VINODHA	8.38
16	71812110013	GAUTHAM RAMKUMAR	9.09
17	71812110021	LOGESH.S	8.61
18	71812110026	NIRMAL.P	7.92

Certifications through Centre for Continuing Education

S.No	Register No.	Name	CGPA
1	71812102144	PRANEET S	0
2	71812102145	PRAVEEN VIKRAM S	0

ITEM – VIII

- It is resolved that the following Mandatory courses for the students in B.E. Electronics and Communication Engineering programme be approved.

Batch: 2020 – 2024 – Personality and Character Development

S.No	Course Code	No. of Students Completed
1.	20MC022 – IETE Student Chapter	20
2.	20MC021-ASSOCIATION OF ELECTRONICS AND	42
3.	20MC023- SOCIAL INNOVATION CLUB	38
4.	20MC218- READING CLUB	1
5.	20MC222-YI YUVA	48
6.	20MC082- SEDS INDIA STUDENTS CHAPTER	7
7.	20MC083-AERO MODELLING CLUB	4
8.	20MC201- SPORTS AND GAMES	3
9.	20MC202-EMPOWERMENT THROUGH YOGA	3
10.	20MC203-NATIONAL CADET CORPS	2
11.	20MC204- NATIONAL SERVICE SCHEME	12
12.	20MC206-IEEE WOMAN IN ENGINEERING	1
13.	20MC208-SOFT SKILLS	5
14.	20MC212-TAMIL MANDRAM	2
15.	20MC220 – ROBOCLUB	7

Batch: 2020 – 2024 – Placement / EDC / Overseas Education

S.No	Course Code	No. of Students Completed
1.	20MC291-Employment Enhancement Course	182

Batch: 2021 – 2025 – Personality and Character Development

S.No	Course Code	No. of Students
1.	20MC022 - IETE Student Chapter	22
2.	20MC021-ASSOCIATION OF ELECTRONICS AND	28
3.	20MC201- SPORTS AND GAMES	15
4.	20MC202- EMPOWERMENT THROUGH YOGA	17
5.	20MC205- YOUTH RED CROSS	3
6.	20MC212- TAMIL MANDRAM	1
7.	20MC214- PHILATELIC CLUB	2
8.	20MC215- PHORARTZ CLUB	15
9.	20MC216-QUIZ CLUB	3
10.	20MC221-UYIR CLUB	8
11.	20MC222-YI YUVA	45
12.	20MC204 -NATIONAL SERVICE SCHEME	8
13.	20MC208- SOFT SKILLS	18
14.	20MC209 ENGLISH LITERARY SOCIETY	6
15.	20MC218-READING CLUB	3
Total		194

20MC275- TECHNICAL CERTIFICATION

S.No	Course Name	No. of Students Completed
1.	INFOSYS SPRINGBOARD: BASIC CSHARP PROGRAMMING	18
2.	INFOSYS SPRINGBOARD: PHYTHON PROGRAMMING FOR BEGINNERS	9
3.	INFOSYS SPRINGBOARD: PROGRAMMING USING C++	147
4.	COURSERA: CRASH COURSE ON PYTHON	8
5.	COURSERA: THE ARDUINO PLATFORM AND C PROGRAMMING	2
6.	INFOSYS SPRINGBOARD: INTRODUCTION TO PYTHON	9
TOTAL		193

ITEM – IX

- It is resolved that the following students who had completed 4/6 weeks of internship/inplant training be approved in B.E. Electronics and Communication Engineering programme be approved.

Batch: 2020 – 2024

Sl.No	Industry	No of Students Completed
1	3Q Technologies, Coimbatore	2
2	AktiVolt, Bengaluru	1
3	Amphi Ventures Pvt,Ltd, Coimbatore.	1
4	Analog and Digital Labs India Private Limited, Coimbatore	5
5	Appsecure Security, Coimbatore	1
6	ARKtech Automation Solutions Pvt Ltd, Coimbatore	7
7	Ashok Leyland, Hosur	1
8	Axis Global Automation, Coimbatore	30
9	Brakes India Private limited, Chennai.	2
10	BSNL, Madurai	7
11	Caliber Embedded Technologies India Pvt Ltd, Coimbatore.	6
12	Career Vision Embedded Academy, Coimbatore	12
13	Cares Renewables Pvt Ltd, Coimbatore	1
14	Chip Crafts Private Ltd., Coimbatore	11
15	Cochin Shipyard Limited, Kochi	1
16	Cosmic pvt. Ltd, Coimbatore.	1
17	Craftsman Automation Limited, Coimbatore	6
18	Emglitz Technologies, Coimbatore	4
19	Enthu Technologies Solutions India Pvt Ltd, Coimbatore	18
20	FV Logics Technologies Private Limited, Coimbatore	1
21	HTIC, IIT Madras, Chennai	2
22	iamneo, Coimbatore	1
23	IEP Maxine Automation Private Limited, Coimbatore	6

24	Indian Institute of Technology, Kharagpur	2
25	Innovate Engineering Products, Coimbatore	8
26	Krish Tec, Coimbatore	19
27	Mallow Technologies Private Ltd., Karur	1
28	Marceloo Tech, Trichy	1
29	Nanostar Technologies, Coimbatore	2
30	Niagara Automations, Coimbatore.	2
31	Pricol Limited, Coimbatore.	1
32	Q & Q Software Solutions, Coimbatore.	1
33	Robotic FA Solutions, Coimbatore	1
34	Salzer Electronics Ltd., Coimbatore	16
35	Schneider Electric India Pvt, Ltd, Coimbatore.	1
36	Sheltronics Control System Pvt. Ltd. Coimbatore	1
37	Soliton Technologies Private Limited, Coimbatore	6
38	Techpro Solutions, Coimbatore	6
39	V Act Technologies Pvt. Ltd., Coimbatore	6
40	Valeo India Pvt. Ltd., Chennai	2
41	Vi Microsystem Pvt Ltd, Chennai	15
42	Wiztech Automation Solution Pvt, Ltd, Chennai.	3
43	Zepto Logics Technologies Private Limited, Coimbatore	8
Total		191

ITEM – X

- It is resolved that the Curriculum for the B.E. (Electronics and Communication Engineering) programme for the working professionals as communicated by AICTE through AICTE/P&AP/APH/2023-24/01 dated 24.08.2023 with approval from Anna University, Chennai be approved.

S.No.	Category	Category Suggested Breakup of Credits (Total 160)	SREC - ECE (Total 162)	SREC – ECE (Lateral) (120 Credits)
1	Humanities and Social Sciences including Management courses [HSMC]	12*	10	04
2	Basic Science courses [BSC]	25*	26	11
3	Engineering Science courses including workshop drawing, basics of electrical /mechanical/ computer etc [ESC]	24*	27	06
4	Professional core courses[PCC]	48*	57	57
5	Professional Elective courses relevant to chosen specialization/branch[PEC]	18*	18	18
6	Open subjects – Electives from other technical and /or emerging	18*	09	09

	subjects[OPC]			
7	Project work, seminar and internship in industry or elsewhere[EEC]	15*	15	15
8	<u>Mandatory Courses</u> [MC] [Environmental Sciences, Induction training, Indian Constitution, Essence of Indian Traditional Knowledge]	Non-Credited	Non-Credited	Non-Credited
Total		160*	162	120

HUMANITIES AND SOCIAL SCIENCES INCLUDING MANAGEMENT COURSES [HSMC]

S. No	Course Code	Course Title	Category	L	T	P	C
1.	20AE201 20IT203 20CS203 20CE206 20MA209 20IT218 20CE207	Liberal Arts – Indian Space Mission / Web Design / Sociology of Digital Media / Architectural Conservation and Historic Preservation / Vedic Mathematics / Women Development and Empowerment / Cultural Implications on Building Design	HS	1	0	0	1
2.	20EI210/ 20EI211/ 20ME225	Engineering Project and Finance Management / Planning and Organizational Behavior / Economics for Engineers	HS	3	0	0	3
Total							04

BASIC SCIENCE COURSES [BSC]

S. No	Course Code	Course Title	Category	L	T	P	C
1.	20MA211	Transforms and Partial Differential Equations	BS	2	1	0	3
2.	20MA219	Probability and Random Processes	BS	2	1	0	3
3.	20CS201	Disruptive Technologies	BS	2	0	0	2
4.	20EC203	Electromagnetic Fields	BS	3	0	0	3
Total							11

ENGINEERING SCIENCE COURSES [ESC]

S. No	Course Code	Course Title	Category	L	T	P	C
1.	20CS243	Data Structures and Algorithm Analysis	ES	2	0	0	2
2.	20CS292	Data Structures and Algorithm Analysis Laboratory	ES	0	0	2	1
3.	20EI251	Sensors and Instrumentation	ES	2	0	2	3
Total							06

PROFESSIONAL CORE (PC)

S.No.	Course	Course Title	L	T	P	C
HARD CORES (54 Credits)						
1	20EC204	Digital System Design	3	0	0	3
2	20EC271	Digital System Design Laboratory	0	0	2	1
3	20EC205	Analog Electronics	3	0	0	3
4	20EC206	Linear Integrated Circuits	2	0	0	2
5	20EC272	Analog Electronics and Integrated Circuits	0	0	2	1
6	20EE205	Control Systems	3	1	0	4
7	20EI278	Control Systems Laboratory	0	0	2	1
8	20EC207	Systems and Signal Processing	3	1	0	4
9	20EC273	Signal Processing Laboratory	0	0	2	1
10	20EC208	Microcontrollers and Applications	3	0	0	3
11	20EC274	Microcontrollers Laboratory	0	0	2	1
12	20EC209	Transmission Lines and Waveguides	3	1	0	4
13	20EC210	Analog and Digital Communication	3	1	0	4
14	20EC275	Analog and Digital Communication	0	0	2	1
15	20EC211	Embedded Systems and Internet of Things	3	0	0	3
16	20EC276	Embedded Systems and Internet of Things	0	0	2	1
17	20EI253	Model Based Design	2	0	2	3
18	20EC212	Computer architecture and Parallel	3	0	0	3
19	20EC213	Antennas and Wave Propagation	3	0	0	3
21	20EC214	Digital CMOS VLSI Circuits	3	0	0	3
22	20EC277	Digital CMOS VLSI Circuits Laboratory	0	0	2	1
23	20EC215	Microwave and Optical Communication	3	0	0	3
24	20EC278	Microwave and Optical Communication Laboratory	0	0	2	1
SOFT CORES (03 Credits)						
1	20AD202	Principles of Artificial Intelligence	3	0	0	3
2	20CS254	Foundations of Data Science	2	0	2	3
3	20CS255	Security in Engineering	2	0	2	3
4	20RA204	Robotic Technology	3	0	0	3

PROFESSIONAL ELECTIVE COURSES (PE)

S.No.	Course Code	Course Title	L	T	P	C
<u>I. Semiconductor Chip Design and Testing</u>						
1	20EC2E09	Analog VLSI Circuit Design	3	0	0	3
2	20EC2E10	Physical Design of ASICs	3	0	0	3
3	20EC2E11	Principles and Applications of	3	0	0	3
4	20EC2E14	Deep Submicron VLSI Design	3	0	0	3
5	20EC2E15	Quantum Electronics	3	0	0	3
6	20EC2E28	Flexible Electronics	3	0	0	3
7	20EC2E29	Testing of VLSI Circuits	3	0	0	3
8	20EC2E35	Low Power VLSI Design	3	0	0	3
9	20EC2E36	Electronic Packaging Technologies	3	0	0	3
<u>II. Signal Processing</u>						
10	20EC2E06	Image Processing Techniques	3	0	0	3
11	20EC2E07	Compressive Sensing Techniques	3	0	0	3
12	20EC2E08	Pattern Recognition and Machine	3	0	0	3
13	20EC2E19	DSP Processors and Its Architectures	3	0	0	3

14	20EC2E20	Speech Signal Processing	3	0	0	3
15	20EC2E21	Natural Language Processing	3	0	0	3
<u>III. RF Technologies</u>						
16	20EC2E05	RF MEMS for Communication Systems	3	0	0	3
17	20EC2E16	Antennas for Modern Wireless	3	0	0	3
18	20EC2E27	RF Circuit Design	3	0	0	3
19	20EC2E61	Electromagnetic Interference and	3	0	0	3
20	20EC2E62	RF Microelectronics	3	0	0	3
21	20EC2E63	Millimeter Wave Communication	3	0	0	3
<u>IV. Embedded Systems</u>						
22	20EC2E12	Embedded Computing System Design	3	0	0	3
23	20EC2E13	Embedded Networks	3	0	0	3
24	20EC2E23	Compendium of Embedded Linux	3	0	0	3
25	20EC2E24	Quantum Computing	3	0	0	3
26	20EC2E25	Real Time Operating System	3	0	0	3
27	20EC2E26	Embedded Computing	3	0	0	3
28	20EC2E30	Cloud Computing	3	0	0	3
29	20EC2E31	Human Computer Interaction	3	0	0	3
30	20ME2E14	Industry 4.0	3	0	0	3
31	20EC2E33	Advanced Embedded Processors	3	0	0	3
<u>VI. High Speed Communication</u>						
32	20EC2E01	High Performance Computer Networks	3	0	0	3
33	20EC2E02	Intelligent Wireless Sensor Networks	3	0	0	3
34	20EC2E03	Light Wave Networks	3	0	0	3
35	20EC2E04	Light Science and Technology	3	0	0	3
36	20EC2E17	Cellular and Mobile Communications	3	0	0	3
37	20EC2E18	Advanced Wireless Technologies	3	0	0	3
38	20EC2E32	Satellite Communications & GPS	3	0	0	3
39	20EC2E34	Underwater Communication	3	0	0	3
40	20EC2E37	Software Defined Radio	3	0	0	3
41	20EC2E38	Cooperative Communication Systems	3	0	0	3
42	20EC2E39	5G Communication Networks	3	0	0	3
<u>VII. Interdisciplinary Electives</u>						
43	20CS2E05	Deep Learning	3	0	0	3
44	20CS2E51	Virtual Reality/ Augmented Reality	3	0	0	3
45	20EC2E22	Healthcare Instruments	3	0	0	3
<u>VIII. Internet of Things (Specialization/Minor)</u>						
46	20EC2E40	IoT Architecture and Protocols	3	0	0	3
47	20EC2E41	IoT System Design and Platforms	3	0	0	3
48	20EC2E42	IoT and Applications Laboratory	0	0	2	1
49	20EC2E43	IoT in Automotive systems	3	0	0	3
50	20EC2E44	Cloud Architecture and Computing	2	0	2	3
51	20EC2E45	Industrial Internet of Things	2	0	2	3
55	20EC2E46	Artificial Intelligence for IoT	3	0	0	3
56	20EC2E47	IoT and Applications	3	0	0	3
57	20EC2E48	Sensor Networks and Integration	3	0	0	3
58	20EC2E49	Project Work /Internship/ Online credit	0	0	2	1
59	20EC2E50	Microcontrollers for IoT	3	0	0	3

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

S.No.	Course Code	Course Title	L	T	P	C
1	20EC279	Miniproject I	0	0	4	2
2	20EC280	Miniproject II	0	0	4	2
3	20EC281	One Credit Course	1	0	0	1
4	20EC283/20EC284	Live-In Lab/Internship				2
5	20EC282	Project	0	0	16	8
Total Credits						15

ITEM – XI

LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2023-24

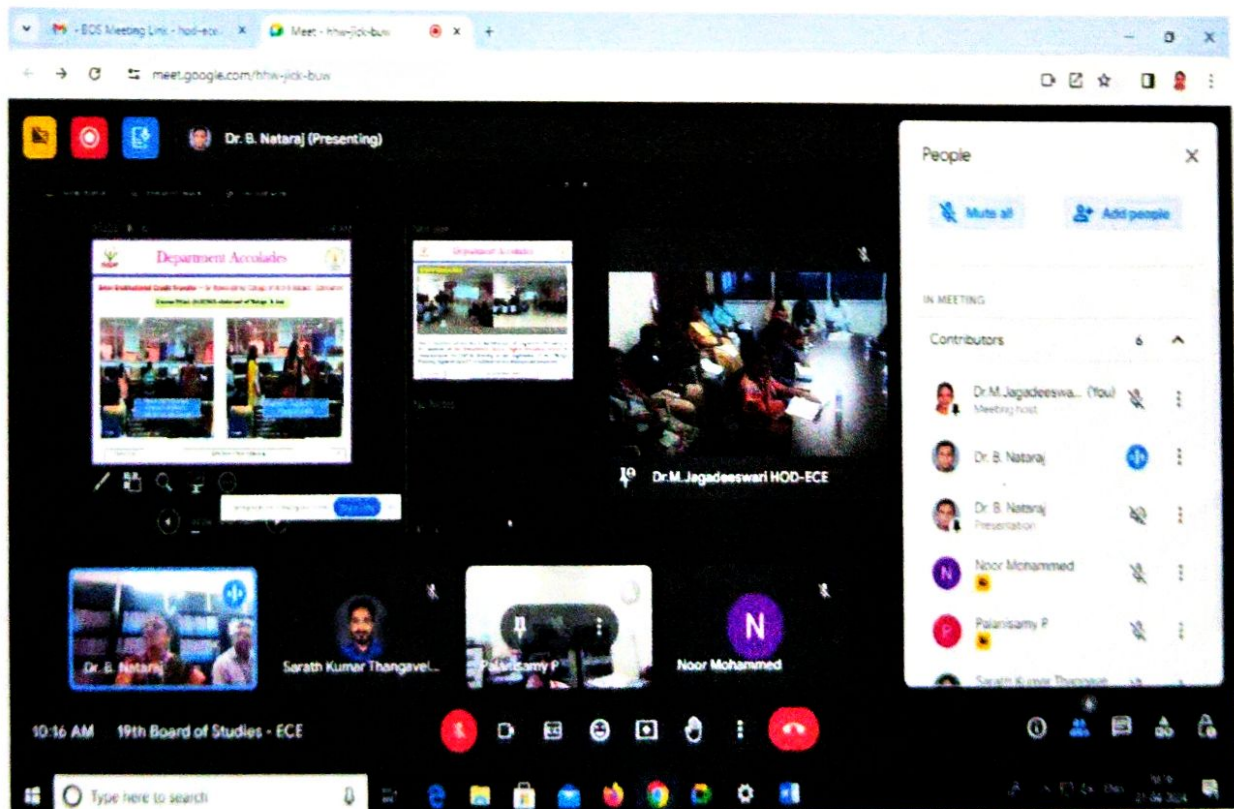
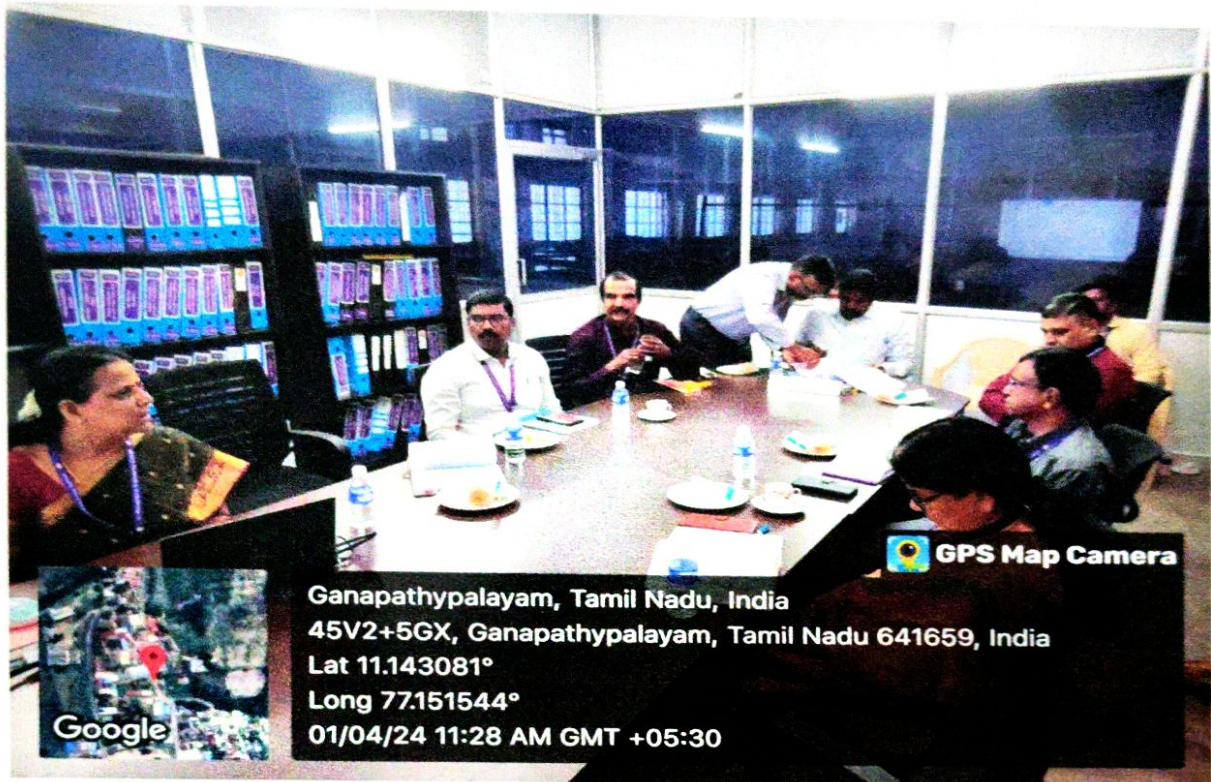
READMITTED CANDIDATES - NIL

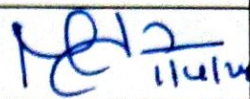
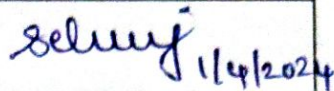
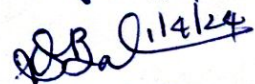
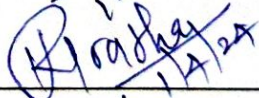
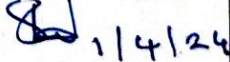
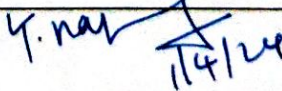
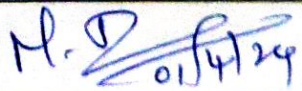
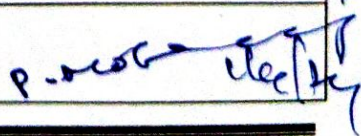
TRANSFERRED CANDIDATES - NIL

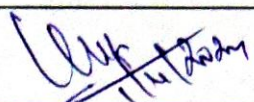
Suggestions by expert members on Regulations, Curriculum, various courses and electives.

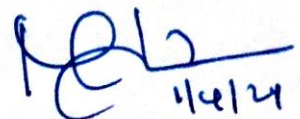
- The expert members of the Board of Studies appreciated the activities of the Department of Electronics and Communication Engineering, various students' activities and a special mention and appreciation for the participation and prizes won in the innovation competitions by the students.
- Dr.M.D.Selvaraj, University Nominee enquired about low pass percentage for the courses in the result analysis during the III/V/VII semesters and asked to get feedback from both the faculty and the students regarding the failures.
- Dr.M.D.Selvaraj, University Nominee appreciated the steps taken by the institution for the students who are willing to opt specialization courses and not eligible to get specialization degree from Anna University, Chennai being certified through Centre for Continuing Education of Sri Ramakrishna Engineering College.
- Dr.P.Palanisamy, Expert Member enquired about the category and norms for B.E. Electronics and Communication Engineering for Working Professionals and the Chairperson-BoS informed the members that the norms for the lateral entry students will be applicable for the working professionals also.
- Dr. V.Noor Mohammed, Subject expert asked to check for updates in the text books and reference books for the course 20EC2E58 - DIGITAL AND EMBEDDED SYSTEMS and also check for typographical error.
- Dr. V.Noor Mohammed, Subject expert asked to correct the error in the last module for the course 20EC2E65 - MICROWAVE INTEGRATED CIRCUITS.

- Dr. V.Noor Mohammed, Subject expert asked to have Analog and Digital Communication as prerequisite instead of Systems and Signal Processing for the course 20EC2E68 - RADAR SIGNAL PROCESSING.
- Dr.P.Palanisamy, Expert Member suggested to maintain 4 modules commonly for all the courses instead of varying modules.



Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	
Dr.M.D.Selvaraj	University Nominee	 11/4/2024
Dr.P.Palanisamy	Subject Expert from IIT/ other Central Govt. Research labs	Attended Online
Dr. V.Noor Mohammed	Subject Expert from Other University	Attended Online
Mr.Sudhakaran Subramanian	Industry Expert	—
Mr. Sarath Kumar.T.G	Meritorious Alumnus	Attended Online
Dr.S.Jayanthi	Member	 11/4/2024.
Dr.H.Mangalam	Member	 11/4/2024
Dr.N.Sathish Kumar	Member	 11/4/2024
Dr.G.Gopu	Member	 11/4/24
Dr.C.S.Manikandababu	Member	 11/4/24
Dr.B.Nataraj	Member	 01/04/24
Dr.B.R.Sathish Kumar	Member	B.R. Sathish Kumar 21/04/2024
Dr.S.P.Vimal	Member	 11/4/24
Dr. K.R.Prabha	Member	 11/4/24
Dr.S.Lakshmi Narayanan	Member	 11/4/24
Dr.M.Kasiselvanathan	Member	 11/4/24
Mr.T.Rajasekar	Member	 11/4/24
Mr.M.Selvaganesh	Member	 01/4/24
Mr.P.Mohanraj	Member	

Dr.K.Balamurugan	Member	
Dr.P.Vasanthi	Member	P. Vasanthi / 01.04.24


11/4/24

CHAIRPERSON
BOARD OF STUDIES
Department of Electronics and
Communication Engineering



SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

MINUTES OF THE 18th BOARD OF STUDIES ONLINE MEETING FOR THE UG B.E., ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD ON 18th NOVEMBER 2023 AT 11:00 AM.

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr.M.D.Selvaraj, Professor and Head/ECE Indian Institute of Technology, Design and Manufacturing, Kancheepuram, Chennai.	University Nominee
3.	Dr.P.Palanisamy, Professor/ECE, National Institute of Technology, Tiruchirappalli.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr. V.Noor Mohammed, Professor and Head/ECE, School of Electronics Engineering, VIT University, Vellore.	Subject Expert from Other University
5.	Mr.Sudhakaran Subramanian, Senior Manager, Visteon Corporation, Bengaluru.	Industry Expert
6.	Mr. Sarath Kumar.T.G PnP Tools Validation Lead Engineer, Intel Technology India Pvt. Ltd, Bengaluru.	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE, SREC	Member
8.	Dr.H.Mangalam, Professor/ECE, SREC	Member
9.	Dr.N.Sathish Kumar, Professor/ECE, SREC	Member
10.	Dr.G.Gopu, Professor/ECE, SREC	Member

11.	Dr.C.S.Manikandababu, Associate Professor/ECE, SREC	Member
12.	Dr.B.Nataraj, Associate Professor/ECE, SREC	Member
13.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
14.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
15.	Dr. K.R.Prabha, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Assistant Professor (Sl.Gr.) / ECE, SREC	Member
17.	Dr.M.Kasiselvanathan, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
18.	Mr.T.Rajasekar, Assistant Professor/ECE, SREC	Member
19.	Mr.M.Selvaganesh Assistant Professor/ECE, SREC	Member
20.	Mr.P.Mohanraj, Assistant Professor/ECE, SREC	Member
21.	Dr.K.Balamurugan, Associate Professor/EEE, SREC	Member
22.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **18th BoS meeting**. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that the Students admitted in 2020 of all B.E/B.Tech programme will follow Regulation 2020 (Learning Outcome based Curriculum framework through choice based credit system) and its respective curriculum and syllabus.
- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2021 & onwards.

ITEM - II

- It is resolved that the syllabi for the following new Professional Elective courses under (Revised) Regulations 2020 be approved and passed.

20EC2E51 - Electromagnetic Interference and Compatibility

20EC2E52 - RF Microelectronics

20EC2E53 - Millimeter Wave Communication

ITEM - III

- It is resolved that the following NPTEL courses are approved for credit transfer during Nov/Dec 2023.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	Analog VLSI Design	20EC2E09- Analog VLSI Circuit Design (Professional Elective)
2	Digital Image Processing	20EC2E06- Image Processing Techniques (Professional Elective)
3	Introduction to Machine Learning	20EC2E08- Pattern Recognition and Machine Learning (Professional Elective)
4	Machine Learning and Deep Learning - Fundamentals and Applications	
5	Real-Time Digital Signal Processing	20EC2E19- DSP Processors and Its Architectures (Professional Elective)
6	Natural Language Processing	20EC2E21- Natural Language Processing (Professional Elective)
7	Cloud Computing	20EC2E30- Cloud Computing (Professional Elective)
8	Introduction to Industry 4.0 and Industrial Internet of Things	20ME2E14-Industry 4.0 (Professional Elective)
9	Introduction to Wireless and Cellular Communications	20EC2E17- Cellular and Mobile Communications (Professional Elective)
10	Applied Optimization for Wireless, Machine Learning, Big Data	20EC2E18- Advanced Wireless Technologies (Professional Elective)
11	Modern Digital Communication Techniques	
12	Analytical Chemistry	20CH2E53- Analytical Chemistry (Open Elective)
13	Environmental Science	20CH2E54- Environmental Science and Sustainability (Open Elective)
14	Industrial Safety Engineering	20CE2E58- Occupational Health and Safety (Open Elective)
15	Municipal Solid Waste Management	20CE2E51- Waste Management (Open Elective)
16	Integrated Waste Management for a Smart City	
17	Programming in Java	20CS2E63- Java Programming (Open Elective)
18	Introduction to Machine Learning	20CS2E64-Machine Learning (Open Elective)
19	Electrical Machines - I	20EE2E55- Electrical Machines and

		Drives (Open Elective)
20	Automation in Manufacturing	20EI2E13 - Automation and Machine Vision Systems (Open Elective)
21	Entrepreneurship	20ME2E53 - Entrepreneurship and Finance Management (Open Elective)
22	Essential Mathematics for Machine Learning	20MA2E02 - Mathematics for Machine Learning (Open Elective)
23	Understanding Incubation and Entrepreneurship	20ME2E54 Project Management (Open Elective)
24	Project Management for Managers	
25	Automation in Manufacturing	Automation in Industry 4.0 (Open Elective)
26	Automation in Production Systems And Management	
27	Solar Energy Engineering and Technology	20PH2E03 Solar Technology (Open Elective)
28	Introduction to Robotics	20RA2E54 - Robotic System Engineering (Open Elective)
29	Industrial Robotics : Theories for Implementation	
30	Educational Leadership	20EN2E04- Gender Perspective in Team Building and Leadership (Open Elective)

ITEM - IV

- It is resolved that the Result Analysis for the Academic Year 2022 – 2023 (Semesters VIII/ VI/ IV/II) are approved and passed.

Particulars	II Semester Batch: 2022 - 2026	IV Semester Batch: 2021 - 2025	VI Semester Batch: 2020 - 2024	VIII Semester Batch: 2019 - 2023
No. of Students Registered in all the subjects	189	194	191	186
No. of Students Appeared in all the subjects	186	183	190	184
No. of Students Passed all the subjects	122	95	136	180
Overall Pass Percentage	65.59	51.91 %	71.58 %	97.83%

ITEM – V

- It is resolved that the following candidates who have registered for additional credits during Nov/Dec 2023 examination under the Specialization/Minor courses category Verticals shall be approved according to the communication from Anna University, Chennai via Letter No. 5749/AU/CAC/Honours/2022 dated 16.11.2022.

Specialization/Minor: Internet of Things

S.No	Register No.	Name	CGPA
20EC2E40 - IoT Architecture and Protocols			
1	71812102042	GOPI P	8.04
2	71812102047	HARI GANESH P	8.21
3	71812102057	JEEVA MEENA U	8.84
4	71812102060	JOSHIKA S	9.31
5	71812102105	KHAASHVI S	8.38
6	71812102115	MANJUNATHA SATHISH A	8.88
7	71812102123	MONICA SN	8.56
8	71812102125	NANTHITHA M	8.33
9	71812102130	NETHRA G S	8.35
10	71812102131	NIKHIL J U	8.28
11	71812102136	NOORUL THASLIMA S	8.45
12	71812102143	PRADEESH M	8.23
13	71812102144	PRANEET S	0
14	71812102145	PRAVEEN VIKRAM S	0
15	71812102156	SAKTHI KUMAR S	8.38
16	71812102222	SUDHARSAN S	8.66
17	71812102230	SUTHAKAR G	8.37
18	71812102239	VALENTINA R	7.96
19	71812102242	VIGNESH A P	8
20	71812102244	VIGNESH.S.R	7.95
21	71812102252	N.VINODHA	8.48
20EC2E41 - IoT System Design and Platforms			
20EC2E42 - IoT and Applications Laboratory			
1	71812102042	GOPI P	8.04
2	71812102047	HARI GANESH P	8.21
3	71812102057	JEEVA MEENA U	8.84
4	71812102060	JOSHIKA S	9.31
5	71812102105	KHAASHVI S	8.38
6	71812102115	MANJUNATHA SATHISH A	8.88
7	71812102123	MONICA SN	8.56
8	71812102125	NANTHITHA M	8.33
9	71812102130	NETHRA G S	8.35
10	71812102131	NIKHIL J U	8.28
11	71812102136	NOORUL THASLIMA S	8.45
12	71812102143	PRADEESH M	8.23
13	71812102144	PRANEET S	0
14	71812102145	PRAVEEN VIKRAM S	0
15	71812102156	SAKTHI KUMAR S	8.38

16	71812102222	SUDHARSAN S	8.66
17	71812102230	SUTHAKAR G	8.37
18	71812102239	VALENTINA R	7.96
19	71812102242	VIGNESH A P	8
20	71812102244	VIGNESH.S.R	7.95
21	71812102252	N.VINODHA	8.48
22	71812110013	GAUTHAM RAMKUMAR	9.02
23	71812110021	LOGESH.S	8.59
24	71812110026	NIRMAL.P	7.77
20EC2E47 - IoT and Applications			
1	71812110013	GAUTHAM RAMKUMAR	9.02
2	71812110021	LOGESH.S	8.59
3	71812110026	NIRMAL.P	7.77

ITEM – VI

- It is resolved that the new elective courses and its syllabi be approved for the Honors Specialization / minor in B.E. Electronics and Communication Engineering programme.

20EC2E50 - Microcontrollers for IoT

ITEM – VII

- It is resolved that the B.E. Electronics and Communication Engineering programme for working professionals as communicated by AICTE through AICTE/P&AP/APH/2023-24/01 dated 24.08.2023 may be started with approval from Anna University, Chennai.

ITEM – VII

LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2023-24

READMITTED CANDIDATES - NIL

TRANSFERRED CANDIDATES - NIL

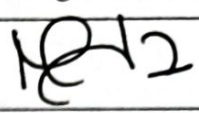
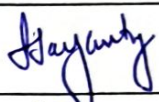
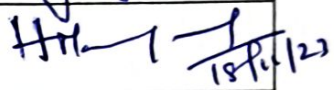
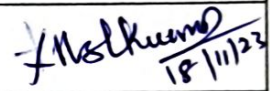
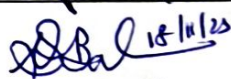
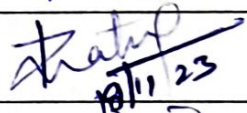
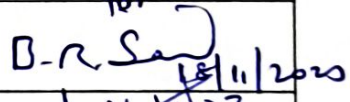
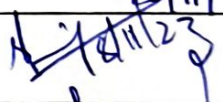
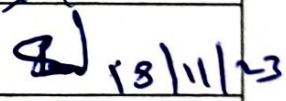
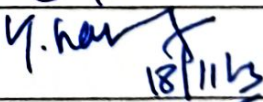
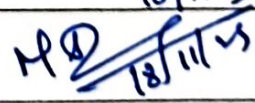
Suggestions by expert members on Regulations, Curriculum, various courses and electives.

- Dr.P.Palanisamy, Subject Expert and all other members appreciated the overall activities of the department.
- Dr.M.D.Selvaraj, University Nominee
 - Suggested to replace Analog Electronics as prerequisite instead of Analog and Digital Communication for the 20EC2E52 - RF Microelectronics course.

- Suggested to include prerequisite for 20EC2E50 - Microcontrollers for IoT course.
- **Dr. V.Noor Mohammed, Subject Expert**
 - Enquired about the number of courses floated to the students opting for elective courses. The chairperson informed the members that for one elective course, choice of three elective courses will be floated to students.
 - Enquired about the number of credits, students can opt for NPTEL credit transfer and also the criteria for specialization and minor category. The chairperson informed the members that maximum of 9 credits can be transferred through NPTEL courses and CGPA of 8.5 and above with first attempt for specialization and CPGA of 6.5 and above for minors are the eligibility criteria for the students opting for Specialization/Minor in Internet of Things from B.E Electronics and Communication Engineering programme.
 - Suggested to change the contents in the last module as Overview of power amplifiers instead of detailed classification of power amplifiers for the 20EC2E52 - RF Microelectronics course.
 - Suggested to start the 4th module with MIMO systems and then go with Massive MIMO for the 20EC2E53 - Millimeter Wave Communication course.
 - Suggested to modify the design techniques of 5G mobiles as 5G mobile systems in the 20EC2E53 - Millimeter Wave Communication course.
- **Mr.Sudhakaran Subramanian, Industry Expert**
 - Suggested to include Overview of temperature, humidity, interference in the 20EC2E52 - RF Microelectronics course.
 - Suggested to include introduction to latency and throughput in the 20EC2E53 - Millimeter Wave Communication course.
 - Suggested to include overview of issues in IoT security for 20EC2E50 - Microcontrollers for IoT course.
- **Mr. Sarath Kumar.T.G, Alumni member**
 - Enquired about the students eligible for placements and the chairperson – BoS answered suitably.
 - **Mini Project or Hands-on with the controller for IoT Application can also be combined as part of Hackathons or project expo's for better exposure for the course 20EC2E50 - Microcontroller for IoT**

- Additional courses for Mathematics – Statistics and Probabilities mainly focusing for AI/ML can be included as currently many organizations are moving towards AI First mindset with more opportunities opening up for the students
- Dr.Sujatha Balaraman, University Nominee/M.E Embedded System Technologies suggested to setup a Center of Excellence Lab related to Embedded, IoT and AI since the department is offering specialization in IoT.



Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	
Dr.M.D.Selvaraj	University Nominee	Attended Online
Dr.P.Palanisamy	Subject Expert from IIT/ other Central Govt. Research labs	
Dr. V.Noor Mohammed	Subject Expert from Other University	
Mr.Sudhakaran Subramanian	Industry Expert	
Mr. Sarath Kumar.T.G	Meritorious Alumnus	
Dr.S.Jayanthi	Member	
Dr.H.Mangalam	Member	
Dr.N.Sathish Kumar	Member	
Dr.G.Gopu	Member	
Dr.C.S.Manikandababu	Member	
Dr.B.Nataraj	Member	
Dr.B.R.Sathish Kumar	Member	
Dr.S.P.Vimal	Member	
Dr. K.R.Prabha	Member	
Dr.S.Lakshmi Narayanan	Member	
Dr.M.Kasiselvanathan	Member	
Mr.T.Rajasekar	Member	
Mr.M.Selvaganesh	Member	

Mr.P.Mohanraj	Member	P. Mohanraj
Dr.K.Balamurugan	Member	K. Balamurugan
Dr.P.Vasanthi	Member	P. Vasanthi

M.12

CHAIRPERSON
BOARD OF STUDIES
 Department of Electronics and
 Communication Engineering



Dr. B. Nataraj <nataraj.b@srec.ac.in>

SREC- ECE - 18th Board of Studies Minutes

M D Selvaraj <selvaraj@iiitdm.ac.in>
To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

Wed, Dec 6, 2023 at 11:17 AM

Dear Sir,
I have read the minutes of the 18th BoS meeting. I accept it.
Thanks & Regards
Selvaraj

Dr. M.D.Selvaraj, Ph.D. (IIT Delhi)
Professor,
Department of ECE,
IIITDM Kancheepuram
(Institute of National Importance under MHRD, Govt. of India)
<https://sites.google.com/view/profselvaraj/biography>
Email: selvaraj@iiitdm.ac.in
Mobile: +91-9941524269

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**SREC**

Dr. B. Nataraj <nataraj.b@srec.ac.in>

SREC- ECE - 18th Board of Studies Minutes

palan@nitt.edu <palan@nitt.edu>

Fri, Dec 8, 2023 at 10:16 AM

To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

I approve the minutes of the 18th Board of Studies meeting held on 18.11.2023 through online.

regards,

Palanisamy

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[Quoted text hidden]

**SREC**

Dr. B. Nataraj <nataraj.b@srec.ac.in>

SREC- ECE - 18th Board of Studies Minutes**Noor Mohammed V** <vnoormohammed@vit.ac.in>

Tue, Dec 12, 2023 at 4:34 PM

To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

Dear Professor

18th Board of Studies meeting minutes (DL 18/11/2023 -Online mode) is approved.

This is for your kind information.

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**SREC**

Dr. B. Nataraj <nataraj.b@srec.ac.in>

SREC- ECE - 18th Board of Studies Minutes

Sarath Kumar Thangavel Govind <sarathsrec14@gmail.com>

Wed, Dec 6, 2023 at 10:30 AM

To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

Hi sir,

Thanks for sharing the minutes. This looks good for me and approve the same.

Regards,
Sarath

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SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

MINUTES OF THE 17th BOARD OF STUDIES ONLINE MEETING FOR THE UG B.E., ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD ON 04th MAY 2023 AT 10:30 AM.

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr.M.D.Selvaraj, Professor and Head/ECE Indian Institute of Technology, Design and Manufacturing, Kancheepuram, Chennai.	University Nominee
3.	Dr.P.Palanisamy, Professor/ECE, National Institute of Technology, Tiruchirappalli.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr. V.Noor Mohammed, Professor/ECE, School of Electronics Engineering, VIT University, Vellore.	Subject Expert from Other University
5.	Mr.Sudhakaran Subramanian, Functional Project Manager, Intel Mobile Communications, Bengaluru.	Industry Expert
6.	Mr. Sarath Kumar.T.G PnP Tools Validation Lead Engineer, Intel Technology India Pvt. Ltd, Bengaluru.	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE, SREC	Member
8.	Dr.H.Mangalam, Professor/ECE, SREC	Member
9.	Dr.N.Sathish Kumar, Professor/ECE, SREC	Member
10.	Dr.G.Gopu, Professor/ECE, SREC	Member

11.	Dr.C.S.Manikandababu, Associate Professor/ECE, SREC	Member
12.	Dr.B.Nataraj, Associate Professor/ECE, SREC	Member
13.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
14.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
15.	Dr. K.R.Prabha, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Assistant Professor (Sl.Gr.) / ECE, SREC	Member
17.	Dr.M.Kasiselvanathan, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
18.	Mr.A.Arun Raja, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
19.	Dr. S.Padmapriya, Assistant Professor/ECE, SREC	Member
20.	Mr.T.Rajasekar, Assistant Professor/ECE, SREC	Member
21.	Dr.K.Balamurugan, Assistant Professor (Sl.Gr.)/EEE, SREC	Member
22.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **17th BoS meeting**. The Chairperson recorded the message by Mr.T.G.Sarath Kumar, Alumni Member of his absence for the meeting. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that the Students admitted in 2020 of all B.E/B.Tech programme will follow Regulation 2020 (Learning Outcome based Curriculum framework through choice based credit system) and its respective curriculum and syllabus.
- It is resolved that the Students admitted in 2021 and onwards of all B.E/B.Tech programme will follow (Revised) Regulation 2020 (Learning Outcome based Curriculum framework through choice based credit system) and its respective curriculum and syllabus.

ITEM - II

- It is resolved that the syllabi for the following new Professional Elective courses under (Revised) Regulations 2020 be approved and passed.

20EC2E33 - Advanced Embedded Processors
 20EC2E34 - Underwater Communication
 20EC2E35 - Low Power VLSI Design
 20EC2E36 - Electronic Packaging Technologies
 20EC2E37 - Software Defined Radio
 20EC2E38 - Cooperative Communication Systems
 20EC2E39 - 5G Communication Networks

ITEM - III

- It is resolved that the following new one credit courses will be included under (Revised) Regulations 2020 for B.E. Electronics and Communication Engineering programme.
 - 20ECI014 - Data Visualization using Tableau offered by Lantrasoft, Coimbatore
 - 20ECI015 - Semiconductor Life Cycle offered by Soliton Technologies, Coimbatore
 - 20ECI016 - Digital Communication offered by Soliton Technologies, Coimbatore

ITEM - IV

- It is resolved that the Result Analysis for the Academic Year 2022 – 2023 (Semesters VII/ V/ III) are approved and passed.

Particulars	III Semester Batch: 2021 - 2025	V Semester Batch: 2020 - 2024	VII Semester Batch: 2019 - 2023
No. of Students Registered in all the subjects	194	191	186
No. of Students Appeared in all the subjects	187	189	183
No. of Students Passed all the subjects	116	138	172
Overall Pass Percentage	62.03 %	73.02 %	93.99%

ITEM – V

- It is resolved that the following Honors Specialization / minor be approved in B.E. Electronics and Communication Engineering programme.

Internet of Things

ITEM – VI

- It is resolved that One Credit Industry oriented courses to be included for the completion of 2 credits to be earned under Clause 12 of (Revised) Regulation 2020 for Industrial Training / Internship under the Employability Enhancement Category.

ITEM – VII

- It is resolved that the following Tamil Courses and its syllabi as recommended by Anna University, Chennai be approved to be included as the Mandatory courses.
 1. Heritage of Tamils
 2. Tamils and Technology

ITEM – VIII

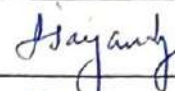
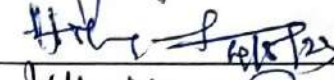
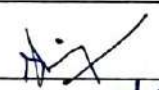
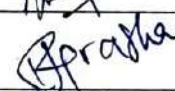
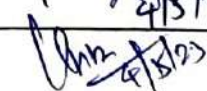
LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2022-23

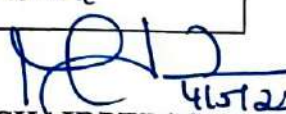
READMITTED CANDIDATES - NIL

TRANSFERRED CANDIDATES - NIL

Suggestions by expert members on Regulations, Curriculum, various courses and electives.

- Dr.M.D.Selvaraj, University Nominee enquired the order of the content in the syllabus is as per the book for the 20EC2E34 - Underwater Communication course.
- Dr.M.D.Selvaraj, University Nominee suggested to offer the course 20EC2E36 - Electronic Packaging Technologies as a theory cum laboratory course.
- Dr.M.D.Selvaraj, University Nominee and Dr. V.Noor Mohammed, Subject Expert suggested to change have Cellular and Mobile Communication as prerequisite instead of Analog and Digital Communication for the courses 20EC2E37 - Software Defined Radio, 20EC2E38 - Cooperative Communication Systems and 20EC2E39 - 5G Communication Networks.
- Dr. V.Noor Mohammed, Subject Expert suggested to remove Introduction to 5G channel modeling and start from Multi antenna systems in module I of 20EC2E39 - 5G Communication Networks.
- Mr.Sudhakaran Subramanian, Industry Expert suggested to add a sub-section to provide the usefulness and relevance of 5G to Industrial automation, how it enhances the throughput, ultra-low latencies, etc. (i.e. mainly the applications to give an idea for the students to connect the technology to the growing trends)
- Mr.Sudhakaran Subramanian, Industry Expert suggested to add books and references for all the Industry oriented one credit courses.

Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	 4/5/23
Dr.M.D.Selvaraj	University Nominee	 4/5/2023
Dr.P.Palanisamy	Subject Expert from IIT/ other Central Govt. Research labs	Attended Online
Dr. V.Noor Mohammed	Subject Expert from Other University	
Mr.Sudhakaran Subramanian	Industry Expert	
Mr. Sarath Kumar.T.G	Meritorious Alumnus	Absent
Dr.S.Jayanthi	Member	
Dr.H.Mangalam	Member	 4/5/23
Dr.N.Sathish Kumar	Member	 4/5/23
Dr.G.Gopu	Member	
Dr.C.S.Manikandababu	Member	
Dr.B.Nataraj	Member	 4/5/23
Dr.B.R.Sathish Kumar	Member	B.R. Sathish Kumar 4/5/2023
Dr.S.P.Vimal	Member	
Dr. K.R.Prabha	Member	
Dr.S.Lakshmi Narayanan	Member	
Dr.M.Kasiselvanathan	Member	
Mr.A.Arun Raja	Member	A. Arun Raja 4/5/2023
Dr. S.Padmapriya	Member	 4/5/23
Mr.T.Rajasekar	Member	T. Rajasekar 4/5/23
Dr.K.Balamurugan	Member	 4/5/23
Dr.P.Vasanthi	Member	P. Vasanthi

 4/5/23
CHAIRPERSON
BOARD OF STUDIES
 Department of Electronics and
 Communication Engineering

SREC - ECE - 17th BoS ECE Minutes

palan@nitt.edu <palan@nitt.edu>
To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

Tue, May 23, 2023 at 3:52 PM

Dear Sir,
Greetings!

I hereby approve the minutes of the 17th BoS meeting held on 4, May 2023.

with regards,

Dr.P.Palanisamy
Professor
Department of Electronics and Communication Engineering
National Institute of Technology
Tiruchirappalli-620015.
Mobile: 9487741710

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SREC - ECE - 17th BoS ECE Minutes

palan@nitt.edu <palan@nitt.edu>

Tue, May 23, 2023 at 3:52 PM

To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

Dear Sir,
Greetings!

I hereby approve the minutes of the 17th BoS meeting held on 4, May 2023.

with regards,

Dr.P.Palanisamy
Professor
Department of Electronics and Communication Engineering
National Institute of Technology
Tiruchirappalli-620015.
Mobile: 9487741710

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SREC

Dr. B. Nataraj <nataraj.b@srec.ac.in>

SREC - ECE - 17th BoS ECE Minutes

Sudhakaran S <sudhakaran.subbu@gmail.com>

Wed, May 24, 2023 at 7:11 AM

To: "Dr. B. Nataraj" <nataraj.b@srec.ac.in>

Cc: palan@nitt.edu, vnoormohammed@vit.ac.in

Dear Sir,

All my comments are captured in the minutes.
No further remarks.

Thanks and regards,
Sudhakaran.

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]



SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

MINUTES OF THE 16th BOARD OF STUDIES ONLINE MEETING FOR THE UG B.E., ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME HELD ON 10th DECEMBER 2022 AT 02:00 PM.

The following members attended the above meeting.

S.No	Member	Category
1.	Dr.M.Jagadeeswari, Professor & Head/ECE Sri Ramakrishna Engineering College, Coimbatore	Chairperson -BOS
2.	Dr.M.D.Selvaraj, Associate Professor/ECE Indian Institute of Technology, Design and Manufacturing, Kancheepuram, Chennai.	University Nominee
3.	Dr.P.Palanisamy, Professor/ECE, National Institute of Technology, Tiruchirappalli.	Subject Expert from IIT/ other Central Govt. Research labs
4.	Dr. V.Noor Mohammed, Associate Professor/ECE, School of Electronics Engineering, VIT University, Vellore.	Subject Expert from Other University
5.	Mr.Sudhakaran Subramanian, Functional Project Manager, Intel Mobile Communications, Bengaluru.	Industry Expert
6.	Mr. Sarath Kumar.T.G PnP Tools Validation Lead Engineer, Intel Technology India Pvt. Ltd, Bengaluru.	Meritorious Alumnus
7.	Dr.S.Jayanthi, Professor/ECE, SREC	Member
8.	Dr.H.Mangalam, Professor/ECE, SREC	Member
9.	Dr.N.Sathish Kumar, Professor/ECE, SREC	Member
10.	Dr.G.Gopu, Professor/ECE, SREC	Member

11.	Dr.C.S.Manikandababu, Associate Professor/ECE, SREC	Member
12.	Dr.B.Nataraj, Associate Professor/ECE, SREC	Member
13.	Dr.B.R.Sathish Kumar, Associate Professor/ECE, SREC	Member
14.	Dr.S.P.Vimal, Associate Professor/ECE, SREC	Member
15.	Dr. K.R.Prabha, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
16.	Dr.S.Lakshmi Narayanan, Assistant Professor (Sl.Gr.) / ECE, SREC	Member
17.	Dr.M.Kasiselvanathan, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
18.	Mr.A.Arun Raja, Assistant Professor (Sl.Gr.)/ECE, SREC	Member
19.	Dr. S.Padmapriya, Assistant Professor/ECE, SREC	Member
20.	Mr.T.Rajasekar, Assistant Professor/ECE, SREC	Member
21.	Dr.K.Balamurugan, Assistant Professor (Sl.Gr.)/EEE, SREC	Member
22.	Dr.P.Vasanthi, Assistant Professor (Sl.Gr.)/Maths, SREC	Member

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **16th BoS meeting**. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

- It is resolved that the Students admitted in 2020 of all B.E/B.Tech programme will follow Regulation 2020 (Learning Outcome based Curriculum framework through choice based credit system) and its respective curriculum and syllabus.
- It is resolved that the Students admitted in 2021 and onwards of all B.E/B.Tech programme will follow Revised Regulation 2020 (Learning Outcome based Curriculum framework through choice based credit system) and its respective curriculum and syllabus.

ITEM - II

It is resolved that the syllabi for the following new Professional Elective courses under Regulations 2020 be approved and passed.

20EC2E22 - Healthcare Instruments

20EC2E27 - RF Circuit Design

- 20EC2E29 - Testing of VLSI Circuits
- 20EC2E30 – Cloud Computing
- 20EC2E31 – Human Computer Interaction
- 20EC2E32 – Satellite Communications & GPS

ITEM - III

It is resolved that the following new open elective courses under Regulations 2020 be approved and passed.

- 20EC2E55 – Applications of IOT in Robotics
- 20EC2E56 - Automotive Electronics
- 20EC2E57 - Joy of Electronics

ITEM - IV

It is resolved that the following new one credit courses will be included under Regulations 2020 for B.E. Electronics and Communication Engineering programme.

- 20ECI011 - IOT Analytics on PYCOM boards offered by Abe Semiconductor Designs, Chennai
- 20ECI012 - Automotive Embedded System offered by S & S Power Solutions, Chennai
- 20ECI013 - Web XR offered by Praya Labs, Tiruvannamalai

ITEM – V

It is resolved that the following new liberal arts course will be included under Regulations 2020 for B.E. Electronics and Communication Engineering programme.

Business Model Canvas

ITEM – VI

It is resolved that the following NPTEL courses are approved for credit transfer during December 2022 under Regulations 2020.

S.No	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	Natural Language Processing	20EC2E21 - Natural Language Processing (Professional Elective)
2	Deep Learning	20CS2E05 - Deep Learning (Professional Elective)
3	Deep Learning - IIT Ropar	
4	Introduction to Industry 4.0 and Industrial Internet of Things	20ME2E14-Industry 4.0 (Professional Elective)
5	Data Analytics with Python	20CS2E62-Data Analytics (Open Elective)
6	Introduction to Machine Learning	20CS2E64-Machine Learning (Open Elective)

7	Cyber Security	20CS2E65-Cyber Security (Open Elective)
8	Computer Vision and Image Processing - Fundamentals and Applications	20EC2E06 - Image Processing Techniques (Professional Elective)
9	Computer Networks and Internet Protocol	20EC2E01 - High Performance Computer Networks (Professional Elective)

It is resolved that the following NPTEL courses are approved for credit transfer for Specialization Courses during December 2022 under Regulations 2020.

S.No	Course Title	Weeks	Credits
1	Introduction to Internet of things	12 weeks	3
2	A brief introduction of Micro-Sensors / Software Testing	4 weeks	1

ITEM – VII

It is resolved that the Result Analysis for the Academic Year 2021 – 2022 are approved and passed.

Particulars	III Semester Batch: 2020 - 2024	IV Semester Batch: 2020 - 2024	V Semester Batch: 2019 - 2023
No. of Students Registered in all the subjects	191	191	186
No. of Students Appeared in all the subjects	189	189	186
No. of Students Passed all the subjects	185	120	185
Overall Pass Percentage	97.88 %	63.49 %	99.46 %

Particulars	VI Semester Batch: 2019 - 2023	VII Semester Batch: 2018 - 2022	VIII Semester Batch: 2018 - 2022
No. of Students Registered in all the subjects	186	198	198
No. of Students Appeared in all the subjects	186	198	198
No. of Students Passed all the subjects	158	197	191
Overall Pass Percentage	84.95 %	99.49 %	96.46 %

ITEM – VIII

It is resolved that the Degree awarded details for the Academic Year 2021 – 2022 are approved and passed.

S.No	Total No. of Students	Total No. of Students awarded degree B.E ECE	Percentage of Graduation 2021 - 2022
1	198	196	98.98%
First Class with Distinction		21	

First Class	158	
Second Class	17	

ITEM – IX

It is resolved that the Revised Uniform Evaluation Method of Students based on Relative Grading, as per the communications received from Anna University, Chennai be approved and passed.

Theory Courses		Laboratory Courses	
Internal	End Semester	Internal	End Semester
40	60	60	40

ITEM –X

It is resolved that Award of UG (Hons) with Specialization, UG with Minor and UG (Hons) be implemented as approved by the Academic Council of Anna University, Chennai for the UG students who have joined from the Academic Year 2021 – 2022.

- **B.E. / B.Tech. (Honours) Specialization in the same discipline**
- **B.E. / B.Tech. (Minor) in other specialization**
- **B.E. / B.Tech. (Honours)**

Norms for B.E. /B.Tech. Spec/ Minors/ Honors

B.E. / B.Tech. (Hons) Specialization	B.E. / B.Tech. (Hons)	B.E. / B.Tech (Minor)
Earned additionally a minimum of 20 credits from a vertical of the same programme	Earned additional courses (minimum of 20 credits) from more than one vertical of the same programme.	Earned additionally a minimum of 20 credits in any one of the verticals of other B.E./ B.Tech programmes.
Passed all the courses in the first attempt		
Minimum CGPA of 7.50		
6 credits in online mode (SWAYAM platform) out of these 20 credits		
Students will be permitted to register Specialization / Minor courses from 4 th / 5 th semester onwards. The eligibility criteria will be the (N-1)th semester performance.		

Specialization / Minors proposed from 2021 – 2022 and onwards

S. No	Under Graduate Engineering Programme	Name of the Specialization / Minor Degree	Permitted to Offer
1	Mechanical Engineering	Robotics	Specialization
2	Electrical & Electronics Engineering	Electric Vehicles	Specialization
3	Electronics & Communication Engineering	Internet of Things (IoT)	Specialization Minor
4	Electronics & Instrumentation Engineering	Sensors Technology	Specialization Minor
5	Computer Science & Engineering	Artificial Intelligence and Machine Learning	Specialization Minor
		Cyber Security	Specialization
		Data Science	Minor
		Virtual & Augmented Reality	Specialization
6	Civil Engineering	Green Technology	Specialization

Classification of Degree for B.E. /B.Tech. Specialization / Minors/ Honors opted Students

1. First Class with Distinction					
Degree	Duration of the Programme	Duration Permitted	Additional credits above the requirement of curriculum	CGPA	Pass in
B.E./B.Tech. Regular	4 years	5 years	-	8.50	First Attempt
B.E./B.Tech. Lateral Entry	3 years	4 years	-	8.50	First Attempt
B.E. / B.Tech. (Hons) specialization in the same discipline	3 / 4 years (Lateral Entry/ Regular respectively)	4/5 years (Lateral Entry/ Regular respectively)	20 credits from any one vertical of the same programme	8.50	First Attempt
B.E. / B.Tech. (Hons)	3 / 4 years (Lateral Entry/ Regular respectively)	4/5 years (Lateral Entry/ Regular respectively)	20 credits from more than one verticals of the same programme	8.50	First Attempt
B.E. / B.Tech. (Minor) in other specialization	3 / 4 years (Lateral Entry/ Regular respectively)	4/5 years (Lateral Entry/ Regular respectively)	20 credits from any one vertical of the other programme	8.50	First Attempt
2. First Class					

B.E./B.Tech. Regular	4 years	5 years	-	6.50	-
B.E./B.Tech. Lateral Entry	3 years	4 years	-	6.50	-
B.E. / B.Tech. (Hons) specialization in the same discipline	3 / 4 years (Lateral Entry/ Regular respectively)	4/5 years (Lateral Entry/ Regular respectively)	20 credits from any one vertical of the same programme	7.50	First Attempt
B.E. / B.Tech. (Hons)	3 / 4 years (Lateral Entry/ Regular respectively)	4/5 years (Lateral Entry/ Regular respectively)	20 credits from more than one verticals of the same programme	7.50	First Attempt
B.E. / B.Tech. (Minor) in other specialization	3 / 4 years (Lateral Entry/ Regular respectively)	4/5 years (Lateral Entry/ Regular respectively)	20 credits from any one vertical of the other programme	6.50	-

3. Second Class

B.E./B.Tech. Regular / lateral entry and B.E./B.Tech. minor in other specialization degree students (not covered in first class with distinction and first class classification of degree) who qualify for the award of degree shall be declared to have passed examination in second class.

4. Others

Students earned additional 20 credits but does not satisfy the conditions mentioned in first class with distinction and first class classification of degree shall not be awarded B.E. / B.Tech. Honours. In such cases the mark sheet will show the additional courses studied and those courses shall not be considered for CGPA computation. In such case, if the student becomes eligible for first class, while computing CGPA without taking into account the additional courses studied, the student shall be awarded B.E. / B.Tech. in First Class only.

ITEM – XI

LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2022-23

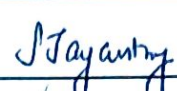
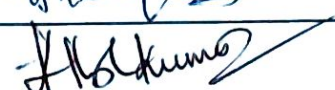
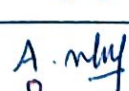
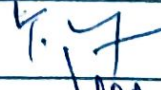
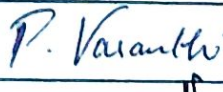
READMITTED CANDIDATES - NIL

TRANSFERRED CANDIDATES - NIL

Suggestions by expert members on Regulations, Curriculum, various courses and electives.

- Dr. V.Noor Mohammed, Subject Expert suggested to check the course outcomes framed for the course 20EC2E22 – Healthcare Instruments.

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- Layout
- Participants (22)
- Search
- Dr.Selvaraj
 - jayanthys
 - K.R.Prabha ECE
 - Nataraj B
 - padmapriya
 - BALANISAMY P
 - Sarath
 - Sudhakaran
 - Sujatha
 - V Noor Mohammad
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Name of the Members	Designation	Signature
Dr.M.Jagadeeswari	Chairperson -BOS	
Dr.M.D.Selvaraj	University Nominee	Attended Online
Dr.P.Palanisamy	Subject Expert from IIT/ other Central Govt	
Dr. V.Noor Mohammed	Subject Expert from Other University	
Mr.Sudhakaran Subramanian	Industry Expert	
Mr. Sarath Kumar.T.G	Meritorious Alumnus	
Dr.S.Jayanthi	Member	
Dr.H.Mangalam	Member	
Dr.N.Sathish Kumar	Member	
Dr.G.Gopu	Member	
Dr.C.S.Manikandababu	Member	
Dr.B.Nataraj	Member	
Dr.B.R.Sathish Kumar	Member	
Dr.S.P.Vimal	Member	
Dr. K.R.Prabha	Member	
Dr.S.Lakshmi Narayanan	Member	
Dr.M.Kasiselvanathan	Member	
Mr.A.Arun Raja	Member	
Dr. S.Padmapriya	Member	
Mr.T.Rajasekar	Member	
Dr.K.Balamurugan	Member	
Dr.P.Vasanthi	Member	


CHAIRPERSON
BOARD OF STUDIES
 Department of Electronics and
 Communication Engineering



SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE – 22

[Educational Service: SNR Sons Charitable Trust]

[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]

[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]

[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]

**MINUTES OF THE 15th BOARD OF STUDIES ONLINE MEETING FOR THE UG
B.E., ELECTRONICS AND COMMUNICATION ENGINEERING PROGRAMME
HELD ON 26th FEBRUARY 2022 AT 10:00 AM.**

The following members attended the above meeting.

1. **Dr.M.Jagadeeswari** **Chairperson -BOS**
Professor & Head,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
2. **Dr.M.D.Selvaraj** **University Nominee**
Associate Professor,
Department of Electronics and Communication Engineering,
Indian Institute of Technology, Design and Manufacturing, Kancheepuram,
Vandalur – Kelambakkam Road,
Chennai – 600127.
3. **Mr.Sudhakaran Subramanian** **Industry Expert**
Functional Project Manager,
Intel Mobile Communications,
Bangalore.
4. **Dr.P.Palanisamy,** **Expert from IIT/ other Central Govt. Research labs**
Professor,
Department of Electronics and Communication Engineering,
National Institute of Technology,
Tiruchirappalli- 620015
5. **Dr. V.Noor Mohammed** **Subject Expert from Other University**
Associate Professor,
Department of Communication Engineering,
School of Electronics Engineering,
VIT University, Vellore.

6. **Mr. Sarath Kumar.T.G** **Alumnus**
PnP Tools Validation Lead Engineer,
Intel Technology India Pvt. Ltd,
Bengaluru.
7. **Dr.S.Jayanthi** **Member**
Professor,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
8. **Dr.H.Mangalam** **Member**
Professor,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
9. **Dr.N.Sathish Kumar** **Member**
Professor,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
10. **Dr.G.Gopu** **Member**
Professor,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
11. **Dr.C.S.Manikandababu** **Member**
Associate Professor,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
12. **Dr.B.Nataraj** **Member**
Associate Professor,
Department of Electronics & Communication Engineering,
Sri Ramakrishna Engineering College,
Coimbatore-641022.
13. **Dr.B.R.Sathishkumar** **Member**
Associate Professor
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore-641022.

- 14. Dr.S.P.Vimal** **Member**
Associate Professor
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 15. Dr. K.R.Prabha** **Member**
Assistant Professor (Sl.Gr.)
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 16. Dr.S.Lakshmi Narayanan** **Member**
Assistant Professor (Sr.Gr.)
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 17. Dr.M.Kasiselvanathan** **Member**
Assistant Professor (Sr.Gr.)
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 18. Mr.A.Arun Raja** **Member**
Assistant Professor (Sr.Gr.)
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 19. Mr. E.Esakki Vigneswaran** **Member**
Assistant Professor (Sr.Gr.)
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 20. Dr. S.Padmapriya** **Member**
Assistant Professor
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 21. Dr.D.Gracia** **Member**
Assistant Professor
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.

- 22. Mr.T.Rajasekar** **Member**
Assistant Professor
Department of Electronics & Communication Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 23. Dr.K.Balamurugan** **Member**
Assistant Professor (Sl.Gr.)
Department of Electrical & Electronics Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 24. Mrs.M.Sri Geetha** **Member**
Assistant Professor
Department of Computer Science and Engineering
Sri Ramakrishna Engineering College,
Coimbatore- 641022.
- 25. Dr.P.Vasanthi** **Member**
Assistant Professor (Sl.Gr.)
Department of Mathematics,
Sri Ramakrishna Engineering College,
Coimbatore- 641022.

Prof. Dr.M.Jagadeeswari, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the **15th BoS meeting**. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM - I

It is resolved that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2020 & onwards.

ITEM - II

It is resolved that the syllabi for the following new Professional Elective courses under Regulations 2020 be approved and passed.

- 20EC2E14 - Deep Submicron VLSI Design
- 20EC2E15 - Quantum Electronics
- 20EC2E16 - Antennas for Modern Wireless Applications
- 20EC2E17 - Cellular and Mobile Communications
- 20EC2E18 - Advanced Wireless Technologies

20EC2E19 - DSP Processors and its Architectures

20EC2E20 - Speech Signal Processing

20EC2E21 - Natural Language Processing

20EC2E22 - Medical Electronics

20EC2E23 - Compendium of Embedded Linux

20EC2E24 - Quantum Computing

20EC2E25 - Real Time Operating System

20EC2E26 - Embedded Computing

20EC2E27 - Industry 4.0

20EC2E28 - Flexible Electronics

20CS2E05 - Deep Learning

20CS2E51 - Virtual Reality/Augmented Reality

ITEM - III

It is resolved that the following new one credit courses will be included under Regulations 2020 for B.E. Electronics and Communication Engineering programme.

- 20ECI007 - Embedded and IOT offered by Capgemini Engineering, Coimbatore
- 20ECI008 - Connected Car- Electronics offered by KrishTech, Coimbatore.
- 20ECI009 - Digital Twin offered by Praya Labs, Tiruvannamalai.
- 20ECI010 -Antenna Engineering offered by Entuple Technologies, Bengaluru

ITEM – IV

It is resolved that the following NPTEL courses are approved for credit transfer during December 2021 under Regulations 2020.

S.No	Course code	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	noc21-cy28	Analytical Chemistry	20CH2E53 -Analytical Chemistry (Open Elective)
2	noc21-ce46	Integrated Waste Management for a Smart City	20CE2E51 - Waste Management (Open Elective)
3	noc21-de11	Geographic Information System	20CE2E53 - Geographical Information System (Open Elective)
4	noc21-cs70	Introduction to Machine Learning	20CS2E64 - Machine Learning (Open Elective)

5	noc21-ph33	Physics of Renewable Energy Systems	20EE2E51 - Renewable Energy Systems (Open Elective)
6	noc21-ee112	Electric Vehicles and Renewable Energy	20EE2E54 - Electric and Hybrid Vehicles (Open Elective)
7	noc21-ee71	Electrical Machines – I	20EE2E55 - Electrical Machines and Drives (Open Elective)
8	noc21-ge23	Solar Energy Engineering and Technology	20PH2E03 - Solar Technology (Open Elective)
9	noc21-cs66	Introduction to Industry 4.0 and Industrial Internet of Things	20RA2E51 - Automation in Industry 4.0 (Open Elective)

ITEM - V

It is resolved that the NPTEL courses are approved for credit transfer during May 2022 under Regulations 2020.

S.No	Course code	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	noc22-cs08	Data Analytics with Python	20CS2E62 - Data Analytics (Open Elective)
2	noc22-cs47	Programming in Java	20CS2E63 - Java Programming (Open Elective)
3	noc22-cs29	Introduction to Machine Learning	20CS2E64 - Machine Learning (Open Elective)
4	noc22-ge14	Non-Conventional Energy Resources	20PH2E02 - Non-Conventional Energy Resources (Open Elective)
5	noc22-cs19	Computer Networks and Internet Protocol	20EC2E01 - High Performance Computer Networks (Professional Elective)
6	noc22-ee48	Computer Vision and Image Processing – Fundamentals and Applications	20EC2E06 - Image Processing Techniques (Professional Elective)

ITEM - VI

It is resolved that the curriculum and syllabi be approved for the Specialization / minor in degree programme

Internet of Things (IoT) Specialization Major

S.No	Course Code	Course Title	Credits	Mode of Delivery	Offered by
1	20ECS01	IOT Architecture and Protocols	3	Class	SREC
2	20ECS02	IoT System Design and Platform	3	Class	SREC
3	20ECS03	IOT and Applications Laboratory	1	Class	SREC
4	20ECS04	IOT in Automotive systems	3	Class	Mercedes Benz Research and Development India, Bengaluru
5	20ECS05	Cloud Architecture and Computing	3	Class	Bootlabs Technologies Pvt. Ltd., Bengaluru
6	20ECS06	Industrial IOT	3	Class	Capgemini Engineering
7	20ECS07	Artificial Intelligence for IoT	3	Class	SREC
8	20ECS08	Project Work / Internship/ Online credit Transfer	1		

IoT Specialization – Minor

S.No	Course Code	Course Title	Credits	Mode of Delivery	Offered by
1	20ECM01	IoT and Applications	3	Class	SREC
2	20ECS02	IoT System Design and Platform	3	Class	SREC
3	20ECS03	IOT and Applications Laboratory	1	Class	SREC
4	20ECS04	IOT in Automotive systems	3	Class	Mercedes Benz Research and Development India, Bengaluru

5	20ECS05	Cloud Architecture and Computing	3	Class	Bootlabs Technologies Pvt. Ltd., Bengaluru
6	20ECM02	Sensor Network and Integration	3	Class	SREC
7	20ECS06	Industrial IOT	3	Class	Capgemini Engineering
8	20ECM03	Project Work / Internship/ Online credit Transfer	1		

ITEM – VII

Amendment to Clause 35 of B.E./B.Tech programmes under Regulations 2020 for the 2020 – 2021 admitted students only.

For mandatory courses every student shall put in the required attendance and training as per the course requirement. However, the successful completion of one course from Personality and Character Development category (OR) one course from Allied Skills category is sufficient in addition to mandatory [EEC] Employment Enhancement Courses / department allied courses as prescribed in the curriculum of the programme concerned for the award of degree.

This decision are taken as ONE TIME MEASURE and with due approval from the academic council standing committee / competent authority for the 2020 – 2021 admitted students only.

ITEM – VIII

It is resolved that Regulation 2016 (Version 1.0) will be followed (Choice Based Credit System) for all B.E./B.Tech. programmes for students admitted during the Academic year 2018-2019 and 2019-2020.

ITEM –IX

Amendment to Clause 3 of B.E./B.Tech programmes under Regulations 2016.

The clause 13 of Regulation 2016 V-1.0 (Choice Based Credit System) shall be completely exempted for the candidates admitted during the year 2018 – 2019 and 2019 – 2020 and they are permitted to appear for all the reappearance examinations in the subsequent semester upto the maximum period of study.

This decisions are taken as ONE TIME MEASURE and with due approval from the academic council standing committee / competent authority.

ITEM – X

Amendment to Clause 15.3 of B.E./B.Tech programmes under Regulations 2016.

Clause	Existing	Amended
15.3	The student who fails in the laboratory course shall repeat the same in the subsequent semester and repeat the laboratory course again.	If a candidate fails to secure a pass or is absent for the end semester examinations in the laboratory course he/she shall do reappearance registration for that laboratory course in the subsequent semester / when offered next. This is applicable for the candidates admitted under Regulations 2016.

ITEM – XI

It is resolved that the approved Summer School's / WinterSchool's / GIAN courses conducted by the foreign Universities for a minimum period of 10 days may be considered as equivalent to One Credit Course in the Regulation 2016 (Ver 1.0) / may be considered for credit transfer under R2020.

ITEM – XII

It is resolved that the following NPTEL courses are approved for credit transfer during December 2021 under Regulations 2016.

S.No	Course code	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	noc21-cs79	Artificial Intelligence Search Methods for Problem Solving	16EC2E27 -Artificial Intelligence (Professional Elective)
2	noc21-cs76	Deep Learning	16CS2E46 - Deep Learning (Professional Elective)
3	noc21-cs61	Computer architecture and organization	16EC2E01 - Computer System Architecture (Professional Elective)
4	noc21-cs56	Programming in Java	16CS2E52 - Java Programming (Open Elective)

5	noc21-cs63	Introduction to Internet of Things	16EI2E29 - Sensors and Internet of Things (Open Elective)
6	noc21-de13	Introduction to Robotics	16EC2E23 – Robotics (Professional Elective)
7	noc21-ee66	Introduction to Wireless and Cellular Communications	16EC2E05 -Cellular and Mobile Communications (Professional Elective)

ITEM – XIII

It is resolved that the NPTEL courses are approved for credit transfer during May 2022 under Regulations 2016.

S.No	Course code	Course Title	Equivalent Professional / Open elective in SREC Curriculum
1	noc22-cs19	Computer Networks and Internet Protocol	16EC2E02 – Data Communication Networks (Professional Elective)
2	noc22-cs15	Computer Architecture	16EC2E01 - Computer System Architecture (Professional Elective)

ITEM – XIV

It is informed that the register number allotted for the students admitted to the various UG/PG programmes from the academic year 2021 – 2022 will be prefixed with the college code 7181. Hence the register number will be as follows.

Register Number: 718121XXYYZZ

7181 – College Code

21 – Year of Admission

XX – Branch Code

Y – Section

ZZ – Serial number

ITEM – XV

LIST OF READMITTED AND TRANSFER CANDIDATES DURING 2021-22

READMITTED CANDIDATES - NIL

TRANSFERRED CANDIDATES - NIL

Suggestions by expert members on Regulations, Curriculum, various courses and electives.

Suggestions given by Dr.M.D.Selvaraj, University Nominee

- Suggested to add simulation tool for Antenna Design and for the course 20EC2E16 - Antennas for Modern Wireless Applications.
- Suggested to have more focus on 4G and 5G and include NOMA and mm-wave communication in last module and in the first module to be rearranged to start with Propagation and then Introduction to cellular communication for the course 20EC2E17 - Cellular and Mobile Communications. Also suggested to include log-normal distribution in radio propagation.
- Suggested to have Wireless Communication by Andrea Goldsmith as the first text book for the course 20EC2E18 - Advanced Wireless Technologies.

Suggestions given by Mr.Sudhakaran Subramanian, Industry Expert

- Suggested to add Overview of RSS (Responsibility-Sensitive Safety) in one credit course 20ECI007 - Connected Car.
- Recheck the editions and reprints of Text books and Reference Books for the course 20EC2E15 - Quantum Electronics.
- Suggested to include 5G mm-Wave Beam formation and usage of AIM (Antenna-in-Module) in applications in the course 20EC2E16 - Antenna Design for Modern Wireless Applications
- Suggested to add introduction to 3GPP in the course 20EC2E17 - Cellular and Mobile Communications.

Suggestions given by Dr.P.Palanisamy, Academic Expert

- Suggested to have 20EC2E17 - Cellular and Mobile Communications as a professional core course.
- Suggested to add Systems and Signal Processing as Pre-requisite for the courses 20EC2E19-

DSP Processor and its Architectures and 20EC2E20 - Speech Signal Processing.

- Module 1 title in the course 20EC2E24 - Quantum Computing may be changed as "Introduction to Vector Space".

Suggestions given by Dr. V.Noor Mohammed, Subject Expert

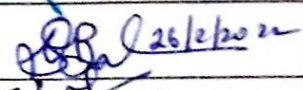
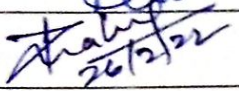
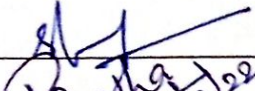
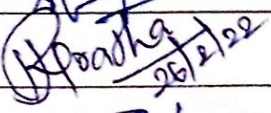
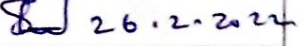
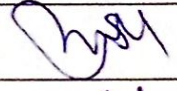
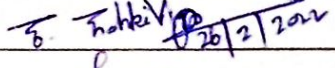
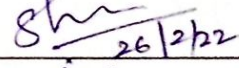
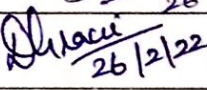
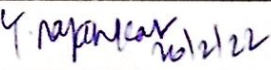
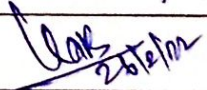
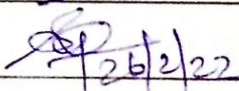
- Suggested to check the editions and year of publications of all the text books and reference books for all the courses.
- Suggested to change the last module title as Cellular Standards instead of Modern Cellular Standards and also recommended to add 3GPP standard and 2G – 2.5G (GPRS) - 2.75G (Edge) – 3G – 4G – 5G for the course 20EC2E17 - Cellular and Mobile Communications. Also suggested to include Two-Ray model in the propagation model.
- Suggested to start with Wireless Local Loop, Cordless phone, Paging System, RFID and then Cellular Communication Overview in the first module of the course 20EC2E18 - Advanced Wireless Technologies. He also asked to check contents in the Ad-Hoc Wireless Networks module being covered in any of the text and reference books.
- Suggested to include Mathematics course as prerequisite for the course 20EC2E24 - Quantum Computing.

Suggestions given by Mr. T.G.Sarath Kumar, Alumni member

- Appreciated Student exchange program and also suggested that the Institution shall provide the following in order to encourage more students to pursue the same
 - a. MoU with universities where we have representatives who could help our students in the application process. This will remove any ambiguity for the students and proceed for the same.
 - b. Awareness program for the students
 - c. MoU with financial institutions who could fund on top of existing education loan or a new education loan to pursue the same
- Appreciated the option for providing Specialization/Minors to grow knowledge in specific expertise. He suggested an option for self-study with subject expert mentoring/Equivalent Online NPTEL courses could increase the number of enrollments and also recommended to provide opportunities for really deserving and interested students to pursue the Specialization/Minors courses with CGPA 7.5 and above.

- Suggested to replace Quiz in continuous assessment with Presentation/Seminar on the subject topic. The more the student participates in on stage event and spends time on preparing a PPT/Poster – The student shall improve on the communication skills which is really important in both corporate and entrepreneurship.
- IOT Specialization reference courses links can be added from below -
 - a. Intel has dedicated IOT training course which is Free basically promoting the Intel OpenVINO toolkit. Training options - Access IoT and Edge AI Training (intel.com).
 - b. Intel Student Ambassador Program - Intel® Student Ambassadors for AI. This recognition makes the students stand out of the crowd and also become expert on the Intel platforms to implement IOT.
 - c. There could be similar student ambassador programs from various industry companies which could be utilized.
- Many foreign universities are expecting students' social contributions through volunteering or other activities. In order to encourage the same, Mr. T.G.Sarath Kumar suggested to include a mandatory 10 to 20 hours volunteering requirement for the students in 2nd or 3rd year. The volunteering could be organized through college clubs/ NSS/ Govt. Initiatives/Recognized NGOs.

Name of the Members	Designation	Signature
Dr. M.Jagadeeswari	Chairperson	MJ
Dr.M.D.Selvaraj	University Nominee	} Online Meeting
Mr.Sudhakaran Subramanian	Industry Expert	
Dr.P.Palanisamy	Expert from IIT/ other Central Govt. Research labs	
Dr. V.Noor Mohammed	Subject Expert from Other University	
Mr. T.G.Sarath Kumar.	Alumnus	
Dr.S.Jayanthi	Member	S Jayanthi
Dr. H.Mangalam	Member	H Mangalam
Dr.N.Sathish Kumar	Member	N Sathish Kumar

Dr.G.Gopu	Member	
Dr. C.S.Manikandababu	Member	
Dr.B.Nataraj	Member	
Dr.B.R.Sathishkumar	Member	B. R. Sathishkumar
Dr.S.P.Vimal	Member	
Dr.K.R.Prabha	Member	
Dr.S.Lakshmi Narayanan	Member	
Dr.M.Kasiselvanathan	Member	
Mr.A.Arun Raja	Member	A. Arun Raja
Mr. E.Esakki Vigneswaran	Member	
Dr. S.Padmapriya	Member	
Dr.D.Gracia	Member	
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