



Minutes of the 23rd M.Tech – CSE (5 Year Integrated Programme) Board of Studies meeting on 14.03.2026 (Saturday) at 2.00PM in Online Mode.

The following members attended the above online meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr. Rajeswari Sridhar, University Nominee
3. Dr. Valliappan Raman, University Nominee
4. Dr.Neeraj Kumar, Subject expert from other University
5. Mr.Madhankumar Subramaniam Chandran, Alumni Representative
6. Mr.R.Saravana Kumar, Internal Member
7. Dr.J. Selvakumar, Internal Member
8. Dr.R.Anuradha, Internal Member
9. Dr.P.Mathiyalagan, Internal Member
10. Dr.S.Harihara Gopalan, Internal Member
11. Dr.R.Vijayakumar, Internal Member
12. Dr.K.Dhana Shree, Internal Member
13. Dr.N.Alagu Sundari, Internal Member
14. Mr.Y.J.Ganesh, Internal Member

- Prof. Dr.A.Grace Selvarani Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the 23rd BoS meeting. Chairperson disseminated the Vision & Mission of the Institution. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM No.1:

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for M.Tech-CSE (5 Year integrated programme) for students admitted in the Academic year 2022, 2023 & 2024.

ITEM No.2:

- It is resolved that Regulation 2025 (Learning Outcome based Curriculum through Choice based Credit) will be followed for M.Tech-CSE (5 Year integrated programme) for students admitted in the Academic year 2025.

ITEM No.3:

- It is resolved that the Curriculum and Syllabi be approved for the following new courses

Semester V

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1	25CJ1***	Professional Elective – 1	PE	3	0	0	3
2	-	Open Elective	OE	3	-	-	3
3	-	Multidisciplinary Course -2 (From EEE : Electric Vehicle Technology)	MMC	3	-	-	3
4	-	Ability Enhancement Course -3 (From CDPD : Soft Skills)	AEC	-	-	-	2
5	25CJ1234	Skill Enhancement Course -2 (IBM Qiskit Lab)	SEC	-	-	-	2
THEORY CUM LABORATORY							
6	25CJ1203	Industry Practices in Modern Software Engineering	PC	2	-	2	3
7	25CJ1351	Large Language Models and AI Systems Engineering	PC	2	-	2	3
8	25CJ1352	Full Stack Web Development	PC	2	-	2	3
Total							22

Semester VI

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1	-	Management Course – 1 (Entrepreneurship And Venture Creation)	HSSM	3	0	0	3
2	25CJ1301	Cyber Security Principles and Practices	PC	3	0	0	3
3	25CJ1***	Professional Elective - 2	PE	3	0	0	3
4		Multidisciplinary Course – 3 (From R & A : AI for Robotics)	MMC	3	0	0	3
5	25CJ1235	Value Added Course – 2 (Digital Detox & Mindfulness for Engineers)	VAC	2	0	0	2
THEORY CUM LABORATORY							
6	25CJ1353	Computer Vision and Perception	PC	2	0	2	3
7	25CJ1354	Computing Systems using AR/VR	PC	2	0	2	3
Practical Course							
8	25CJ1382	Multidisciplinary Project	ELC	0	0	2	2
Total							22

ITEM No.4:

- It is resolved that the syllabi for the following new **Professional Core** courses under (Revised) Regulations 2025 be approved and passed.
 - 25CJ1203-Industry Practices in Modern Software Engineering
 - 25CJ1351-Large Language Models and AI Systems Engineering
 - 25CJ1352-Full Stack Web Development
 - 25CJ1301- Cyber Security Principles and Practices
 - 25CJ1353-Computer Vision and Perception
 - 25CJ1354-Computing Systems Using AR/VR

ITEM No.5:

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

- 25CJ1461-Deep Generative Models
- 25CJ1462-Explainable AI for Multimodal Data
- 25CJ1463-Intelligent Edge Systems
- 25CJ1464-Multi-Agent Reinforcement Learning
- 25CJ1411-AR/VR Systems and Spatial Computing
- 25CJ1453-XR Game Development
- 25CJ1452-XR Experience Design
- 25CJ1451-VR Development Technologies
- 25CJ1471-Ethical Hacking and Penetration Testing
- 25CJ1432-Cyber Security Governance, Risk and Compliance
- 25CJ1472-Security Operations and Threat Monitoring
- 25CJ1431-Digital Forensics and Incident Investigation
- 25CJ1441-Secure Software Development And Application Security
- 25CJ1442 -User Interface and Experience Design
- 25CJ1443-Modern Software Testing And Automation

ITEM No.6:

- It is resolved that the syllabi for the following new **Multi-Disciplinary courses (MDC)** under Regulations 2025 be approved and passed.
 - 25CJ1***- AR/VR for Wearable Technologies.

ITEM No.7:

- It is resolved that the syllabi for the following new **Skill Enhancement courses (SEC)** under Regulations 2025 be approved and passed..
 - 25CJ1234- IBM Qiskit Lab

ITEM No.8:

- It is resolved that the syllabi for the following new **Value Added courses (VAC)** under Regulations 2025 be approved and passed.
 - 25CJ1235-Digital Detox & Mindfulness for Engineers

ITEM No.9:

- It is resolved that the following **NPTEL courses** are approved for credit transfer during Apr/May 2026.

S.NO	COURSE ID	COURSE NAME	SME NAME	INSTITUTE	DURATION	MENTOR
1	noc26-cs04	Neural Networks for Computer Vision and Natural Language Processing	Prof Arijit Sur	IIT Guwahati	12 Weeks	Ms.H.Sowmya
2	noc26-cs18	Foundations of Cryptography, IIIT Bangalore	Prof. Ashish Choudhury	IISc Bangalore	12 Weeks	Mrs.J.Jeba Prathicka
3	noc26-cs41	Foundations of Cyber Physical Systems	Prof. Soumyajit Dey	IIT Kharagpur	12 Weeks	Mrs.H.Nishanthi
4	noc26-cs34	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IIT Kharagpur	12 Weeks	Mrs.P.Divyaprabha
5	noc26-cs45	Natural Language Processing	Prof. Pawan Goyal	IIT Kharagpur	12 Weeks	Mrs.T.Thenmozhi

ITEM No.10:

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

Odd Semester				
Semester	No. of Students Registered in all the Subjects	No. of Students Appeared in all the Subjects	No. of Students Passed in all Subjects	Overall Percentage %
III	59	59	42	70 %
V	58	58	54	93.10%
VII	59	59	59	100 %
IX	32	32	32	100%

ITEM No.11:

- It is resolved that the following **Mandatory courses** be approved for the student in M.Tech-CSE degree programme

Batch: 2021 – 2026

S.No	Mandatory Course	Course Code	No. of Students Completed
1	Tamil Mandram	20MC212	1
2	NSS	20MC204	4
3	Youth Red Cross	20MC205	5
4	Yoga & Meditation club	20MC202	27
5	Nature Club	20MC015	9
6	Sports and Games	20MC201	2
7	Youth Red Cross	20MC205	3
8	Phorartz Club	20MC215	2
9	Uyir Club	20MC221	1

Batch: 2022 – 2027

S.No	Mandatory Course	Course Code	No. of Students Completed
1.	Tamil Mandram	20MC212	1
2.	NSS	20MC204	10
3.	Phorartz Club	20MC215	6
4.	Fine Arts Club	20MC217	1
5.	Reading club	20MC218	20
6.	Soft Skills	20MC208	20

Batch: 2023 – 2028

S.No	Mandatory Course	Course Code	No. of Students Completed
1.	Phorartz Club	20MC215	7
2.	Renewable Energy Club	20MC213	2
3.	Quiz Club	20MC216	5
4.	National Service Scheme	20MC204	6
5.	Uyir Club	20MC221	4
6.	English Literary Society	20MC209	1

S.No	Mandatory Course	Course Code	No. of Students Completed
7.	YI YUVA	20MC222	8
8.	Sports and Games	20MC201	4
9.	Tamil Mandram	20MC212	5
10.	Fine arts club	20MC217	3
11.	Reading club	20MC218	4
12.	Robo Club	20MC220	2
13.	FOSS Club	20MC014	7

Batch: 2024 – 2029

S.No	Mandatory Course	Course Code	No. of Students Completed
1	Tamil Mandram	20MC212	3
2	NSS	20MC204	7
3	NCC	20MC204	1
4	AI Club	20MC013	4
5	Nature Club	20MC015	7
6	FOSS CLUB	20MC014	13
7	Fine Arts Club	20MC217	4
8	Quiz Club	20MC216	3
9	Reading club	20MC218	1
10	Soft Skills	20MC208	8
11	Youth Red Cross	20MC205	2
12	Yoga & Meditation club	20MC202	2
13	English Literary Society	20MC209	1
14	Sports and Games	20MC201	1
15	Red Ribbon club	20MC219	1
16	Philatelic Club	20MC214	1
17	Science Association	20MC210	1

ITEM No.12:

- It is resolved that the following students had completed **4/6 weeks of Internship/Inplant training** be approved for the student in M.Tech –CSE degree programme

Batch: 2021 – 2026

S.No	Name of the Industry	No. of Students Completed
1	SALZER ELECTRONICS LIMITED, COIMBATORE	7
2	NEXUS GLOBAL SOLUTIONS, COIMBATORE	8
3	STIGMATA TECHNO SOLUTION LLP, CHENNAI	7
4	RAMPEX TECHNOLOGIES, CHENNAI	5
5	ADHOC SOFTWARES, COIMBATORE	3
6	HACKUP TECHNOLOGY, COIMBATORE	4
7	L&T PVT LTD / L&T PVT LIMITED	3
8	TRIOX TECHNOLOGY, COIMBATORE	2
9	TTF TECHNOLOGIES PRIVATE LIMITED, CHENNAI	2
10	ADVENTURE TECHNOLOGY SOLUTIONS	2
11	AANA SOLUTIONS, CHENNAI	1
12	DIX TECHNOLOGY INDIA	1
13	DIGITAL VALLEY INDIA	1
14	WALINNS INNOVATION PVT LTD, COIMBATORE	1
15	LIVE IN LAB	3
16	WEIMERA SYSTEMS PVT LTD	1
17	SASTRA UNIVERSITY	14
18	NIELIT, CHENNAI	18

Batch: 2022 - 2027

S.No	Name of the Industry	No. of Students Completed
1	Software Tech Solutions Private Limited. Cbe	1
2	Xcodefix Pvt Ltd.,cbe	1

3	EMGLITZ Technologies, Cbe	1
4	ADHOC Software, Cbe	1
5	ANCIT EduTech, Cbe	2
6	KITKAT Solutions, Cbe	5
7	TWISYS Infotech,Cbe	2
8	Zyphron Technologies Pvt Ltd., Cbe	3
9	TWISYS Infotech,Cbe	2
10	Resilience Business Grids LLP, Cbe	4
11	Labo Neft Pvt Ltd., Cbe	1

Batch: 2023 – 2028

S.No	Name of the Industry	No. of Students Completed
1.	Accent Techno Soft (ATS),Coimbatore	5
2.	32Mins Digital Consultancy Service Pvt Ltd	1
3.	ALO Info-Tech Pvt Ltd, Nagercoil.	1
4.	Alric Infotech Pvt Ltd ,Thiruvananthapuram	1
5.	ARARAT Technologies, Chennai.	1
6.	Arubah Bio Care, Coimbatore	1
7.	AS Global Soft Tech, Coimbatore	6
8.	Digisailor , Thoothukudi	1
9.	Dsignz Media, Coimbatore	4
10.	Heptagon Technologies Pvt ltd, Coimbatore.	1
11.	i2 Software Tech Solutions Pvt Ltd, Coimbatore	1
12.	KNILA IT Solutions India Pvt Ltd, Coimbatore	4
13.	Mist Software Solutions Pvt Ltd, Coimbatore	12
14.	Privacy weave, Coimbatore	4
15.	RGreen Technologies, Madurai	6
16.	Sparkout Tech Solutions , Coimbatore	1
17.	Techvolt software Pvt	3
18.	VGM SOFT TECH, Coimbatore	1

S.No	Name of the Industry	No. of Students Completed
19.	Webgen Tech Solutions Pvt Ltd, Coimbatore	1
20.	Zyphron Technologies, Coimbatore.	1
21.	Nexoris Solutions, Coimbatore	1
22.	Acculer Media technologies	4
23.	AK Infopark Private Limited, Nagercoil	2
24.	As global Software ,Coimbatore	5
25.	Austronix Unity Enterprises Pvt Ltd,Chennai	3
26.	ETHER SERVICES ,Ram Nagar, Coimbatore	4
27.	Gateway Software Solutions, Coimbatore	1
28.	Huge IT Solutions, Gandhipuram, Coimbatore	4
29.	I2 Software Tech Solutions Pvt.Ltd , Coimbatore	3
30.	Litz Tech	2
31.	Micro infotech, Gandhipuram, Coimbatore	5
32.	Postulate info tech private limited, Thoothukudi	2
33.	PrivacyWeave Gopalapuram, Near Avinashi Road ,Coimbatore	4
34.	Qwat Innovations Private Limited, Coimbatore	4
35.	Sparkout tech solutions, Coimbatore	3
36.	UNIQ Softech, Gandhipuram, Coimbatore	4
37.	Web epic technologies private limited, Saravanampatti, Coimbatore	4
38.	Austronix Unity Enterprises Pvt Ltd, Chennai	1
39.	ETHER SERVICES ,Ram Nagar, Coimbatore	1

Batch 2022-2027 (6 months Internship Details)

S.No	Name of the Industry	No of Students Completed
1	Airbus India Private Limited	1
2	Centre for Railway Information (CRIS),	1
3	Centre of Development of advanced Computing, (CDAC)	12
4	Coimbatore Medical College	2

5	Cybersecurity Nxtt, Private Limited	6
6	El Codamics,	2
7	HUGE IT Solutions, Coimbatore	1
8	Inventeron technologies and Business Solutions LLP	6
9	Ish Information Systems	1
10	MAARSS Solution	3
11	Prodapt Solutions Private Limited,	1
12	ProPlus Logics Solutions Pvt Ltd	1
13	R H INFOS,	1
14	Regional Integrated Multi Hazard Early Warning System (RIMES), Chennai	1
15	Resilience Business Grids LLP RBG.AI,	4
16	Sieger Spintech Equipments Pvt. Ltd.	2
17	Snap technologies,	3
18	TLG India Private Limited in Publicis Re:Sources	1
19	Webgen Tech Solutions Pvt Ltd.,	1
20	Xcodefix Private Ltd.,	3

Research Institutes

S.No	Name of the Institute	No of Students Completed
1	IIT, Chhattisgarh	1
2	National Institute of Technology Karnataka,	5

ITEM No.13:

- Ratification: The Professional Core course titled “ 25CJ1256 – Machine Learning” in Semester IV, be renamed as “ 25CJ1256 – Intelligent Learning Systems and Architectures”

ITEM No.14:

- **Chairperson disseminated the Department Vision, Mission, PEOs and PSOs:**

Vision:

- To develop highly competent Computer Science engineers with strong technical knowledge, research aptitude, ethical values, and innovative thinking to contribute to sustainable development and societal needs.

Mission:

- Provide rigorous and high-quality education strengthening technical and analytical skills.
- Foster creativity, innovation, and research culture in emerging technologies.
- Inculcate ethical values, leadership, and lifelong learning.
- Prepare graduates for sustainable and socially responsible technological solutions.

Programme Educational Objectives (PEOs):

- PEO1: Apply a strong foundation in computer science and advanced engineering principles to excel in professional careers or pursue higher education and research.
- PEO2: Analyze and solve complex real-world problems using innovative computing techniques, research skills, and modern tools.
- PEO3: Demonstrate ethical values, leadership qualities, teamwork, and effective communication skills in professional practice and societal contributions.
- PEO4: Engage in research, innovation, entrepreneurship, and lifelong learning to adapt to rapidly evolving technologies and global challenges.

Programme Specific Outcomes (PSOs):

- PSO1: Design and develop efficient software systems and computing solutions using advanced programming techniques, algorithms, and modern system architectures.
- PSO2: Apply emerging technologies such as Artificial Intelligence, Machine Learning, Cyber Security, Cloud Computing, and Internet of Things to address industry and societal challenges.
- PSO3: Undertake research-oriented projects using modern tools and methodologies to develop innovative and sustainable technological solutions.

Suggestion by Expert Members:

1. Dr. Rajeswari Sridhar, University Nominee, Professor, Department of CSE, National Institute of Technology, Tiruchirappalli.

- Suggested to follow standard Text Books and reference Books and also check for Author names in text books and Reference Books, for the course titled “25CJ1203-Industry Practices in Modern Software Engineering”.
- Suggested to include another vertical titled “System Programming” in Professional Vertical, along with AI, Software Engineering, AR/VR & Cyber Security. Because the Vertical “System Programming - Professional Elective”, will meet the PG Programme objectives, by including Courses like “Advance Operating Systems”, “Advanced Computer Architecture”, “Advanced Data Structures”, “Advanced DBMS”, “Mobile OS”, “GPU” etc.. so that it meets the PG Programme objective with advanced and Research component focus.
- Suggested to focus on the Research components along with Application Development Courses.
- Suggested to include a Course on “Compiler Design & Finite Automata”.
- Suggested for Courses in line with the Vision, Mission , PEO & PSO components “technical knowledge, research aptitude, ethical values, and innovative thinking”.

2. Dr. Valliappan Raman, University Nominee, Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Technology, Coimbatore.

- Enquired about the Students' Internship, during the Course of Study and the Chairperson narrated about the six months Internship, during IV & V Year and also about 4/6 weeks of Internship during III Year of Study.
- Suggested to focus on the Research component.
- Suggested to add Professional Elective Vertical on “System Programming”

3. Dr. Neeraj Kumar, Subject expert from other University, Dean, Digital Content Transformation (DCT) Professor, Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, (Deemed University), Patiala (Punjab).

- Suggested to reorient Professional Elective Course titled “25CJ1464-Multi-Agent Reinforcement Learning”.

4. Mr.Madhankumar Subramaniam Chandran, Alumni Representative, Engineering Manager, Freshworks, Chennai.

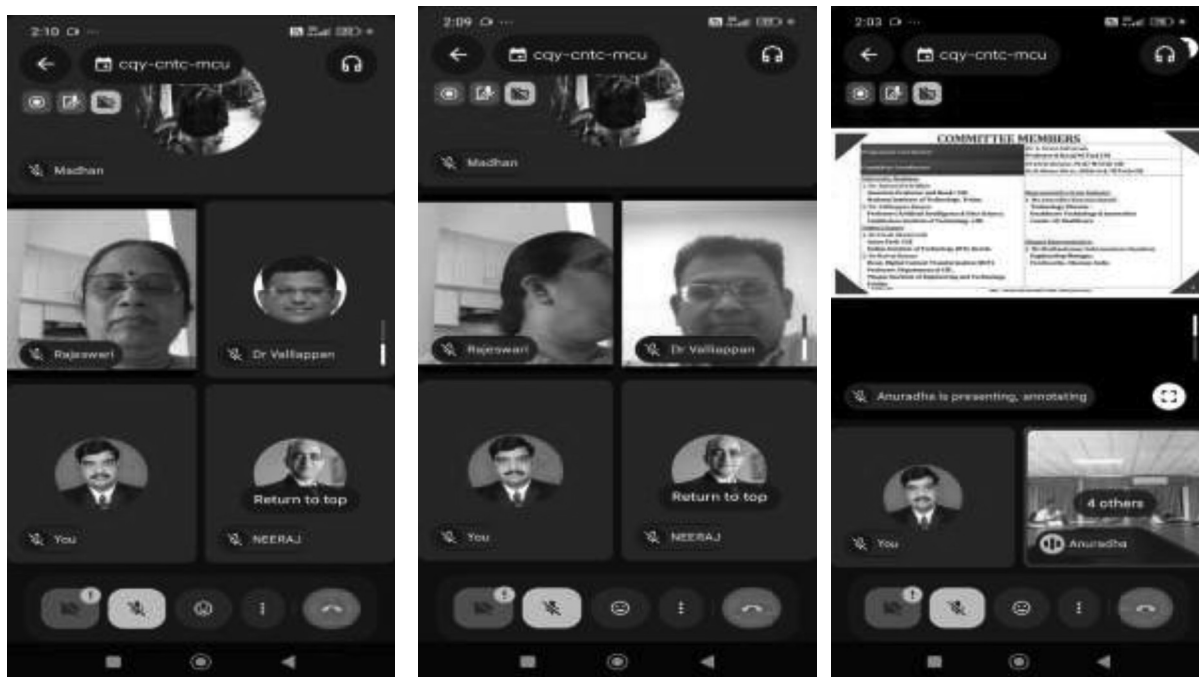
- Suggested to remove Course titled “25CJ1442 -User Interface and Experience Design” because it looked redundant with Full Stack Development.
- Suggested to add topic “Kafka” in the Course titled “25CJ1352-Full Stack Web Development”.
- Suggested to add the topic “AI assisted development related topics like Skills, workflow Automation and Prompts”, in the Professional Core Course titled “25CJ1203-Industry Practices in Modern Software Engineering.

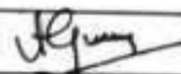
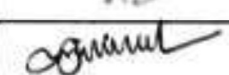
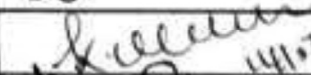
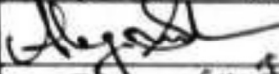
5. Mr.Saravana Kumar.R, Professor of Practice

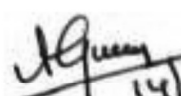
- Suggested to encourage International Certifications to the Courses, so that skill upgradation and practical exposure will move ahead in Industry Readiness

The Chairperson of the BoS thanked all the Members for their valuable suggestions and assured the necessary inputs will be incorporated suitably.

Photos of the Meeting



S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr. Rajeswari Sridhar	University Nominee	Online
3.	Dr. Valliappan Raman	University Nominee	Online
4.	Dr.Vivek Chaturvedi	Subject Expert from Outside the Parent University	AB
5.	Dr.Neeraj Kumar	Subject expert from other University	Online
6.	Ms.Anuradha Kanamarlapudi	Expert from Industry	AB
7.	Mr.Madhankumar Subramaniam Chandran	Alumni Representative	Online
8.	Mr.R.Saravana Kumar	Internal Member	R. Saravana Kumar
9.	Dr. J. Selvakumar	Internal Member	J. Selvakumar
10.	Dr.R.Anuradha	Internal Member	
11.	Dr.P.Mathiyalagan	Internal Member	P. Mathiyalagan
12.	Dr. S. Hari Hara Gopalan	Internal Member	AB
13.	Dr.R. Vijayakumar	Internal Member	
14.	Dr.K.Dhana Shree	Internal Member	
15.	Dr.N.Alagu Sundari	Internal Member	
16.	Mr.Y.J.Ganesh	Internal Member	Ganesh Y.J.


 14/3/26.
CHAIRPERSON
BOARD OF STUDIES
Department of M.Tech-CSE (5 Year Integrated Programme)
Dr.A.GRACE SELVARANI,
 Professor & Head
 Dept. of M.Tech-Computer Science & Engg.
 (5 Years Integrated Programme)
 Sri Ramakrishna Engineering College.



03.11.2025

Minutes of the 22nd M.Tech – CSE (5 Year Integrated Programme) Board of Studies meeting on 03.11.2025 (Monday) at 3.00PM in the Department Discussion Room of Sri Ramakrishna Engineering College, Coimbatore,

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr. Rajeswari Sridhar, University Nominee
3. Dr. Valliappan Raman, University Nominee
4. Dr.Vivek Chaturvedi, , Expert from Outside the Parent University
5. Dr.Neeraj Kumar, Subject expert from other University
6. Ms.Anuradha Kanamarlapudi, Expert from Industry
7. Mr.Madhankumar Subramaniam Chandran, Alumni Representative
8. Mr.R.Saravana Kumar, Internal Member
9. Dr.J. Selvakumar, Internal Member
- 10.Dr.R.Anuradha, Internal Member
- 11.Dr.P.Mathiyalagan, Internal Member
- 12.Dr.S.Harihara Gopalan, Internal Member
- 13.Dr.R. Vijayakumar, Internal Member
- 14.Dr.K.Dhana Shree, Internal Member
- 15.Dr.N.Alagu Sundari, Internal Member
- 16.Mr.Y.J.Ganesh, Internal Member

- Prof. Dr .A.Grace Selvarani Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the 22nd BoS meeting. Chairperson disseminated the Vision & Mission of the Institution and also the Vision & Mission of the Department and PEOs, POs & PSOs of the M.Tech - Computer Science and Engineering (5 Year Integrated Programme). After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM No.1

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for M.Tech – CSE (5 Year Integrated Programme) for students admitted in the Academic year 2021, 2022, 2023 & 2024.

ITEM No.2

- It is resolved that the following new one credit courses will be included under (Revised) Regulations 2020.
 - 20CSI061 - Cloud Native Application Deployment
 - 20CSI062 - AI/ML Deployment in Production

ITEM No.3

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

S.No	Course Id	Course Name	SME Name	Institute	Duration	Mentor
1.	noc25-cs92	Reinforcement Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks	Mrs.M.Indira Priyadharshini
2.	noc25-cs93	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IIT Hyderabad	12 Weeks	Mrs.G.Priyanka
3.	noc25-cs106	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks	Mrs.T.Thenmozhi
4.	noc25-cs117	Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	IIIT Hyderabad	12 Weeks	Mrs.A.Mahalakshmi
5.	noc25-cs118	Responsible & Safe AI Systems	Prof. Ponnurangam Kumaraguru, Prof. Balaraman Ravindran, Prof. Arun Rajkumar	IIIT Hyderabad and IIT Madras	12 Weeks	Dr.N.Alagusundari
6.	noc25-cs134	Multi-Core Computer Architecture	Prof. John Jose	IIT Guwahati	12 Weeks	Dr.R.Vijayakumar
7.	noc25-cs142	Ethical Hacking	Prof. Indranil Sengupta	IIT Kharagpur	12 Weeks	Mrs.R.S.Ramya
8.	noc25-cs143	Computer Vision	Prof. Jayanta Mukhopadhyay	IIT Kharagpur	12 Weeks	Mrs.P.Monisha
9.	noc25-cs151	Algorithmic Game Theory	Prof. Palash Dey	IIT Kharagpur	12 Weeks	Dr.K.Dhanashree
10.	noc25-cs161	Introduction to Large Language Models (LLMs)	Prof. Tanmoy Chakraborty, Prof. Soumen Chakraborti	IIT Delhi	12 Weeks	Mrs.J.Jeba Prathicka

ITEM No. 4

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

Odd Semester				
Semester	No. of Students Registered in all the Subjects	No. of Students Appeared in all the Subjects	No. of Students Passed in all Subjects	Overall Percentage %
II	60	59	47	79.66%
IV	58	57	33	56.9%
VI	59	56	48	85%
VIII	58	57	51	89.43%

ITEM No.5

- It is resolved that the following Mandatory courses be approved for the student in M.Tech – CSE (5 Year Integrated Programme)

Batch: 2021 – 2026

S.No	Mandatory Course Codes	Total No. of Students Completed
1	20MC212, 20MC20, 20MC205, 20MC202, 20MC015, 20MC201	54

Batch: 2022 – 2027

S.No	Mandatory Course Codes	Total No. of Students Completed
1.	20MC212, 20MC204, 20MC215, 20MC217, 20MC218, 20MC208	58

Batch: 2023 – 2028

S.No	Mandatory Course Codes	Total No. of Students Completed
1.	20MC215, 20MC213, 20MC216, 20MC204, 20MC221, 20MC209, 20MC222, 20MC201, 20MC212, 20MC217, 20MC218, 20MC220, 20MC014	58

Batch: 2024 – 2029

S.No	Mandatory Course Codes	Total No. of Students Completed
1	20MC212, 20MC204, 20MC204, 20MC013, 20MC015 , 20MC014, 20MC217, 20MC216, 20MC218, 20MC208, 20MC205, 20MC202, 20MC209, 20MC201, 20MC219, 20MC214, 20MC210	60

ITEM No.6

- It is resolved that the following students had completed 4/6 weeks of Internship/Inplant training be approved for the student in M.Tech – CSE (5 Year Integrated Programme)

Batch: 2021 - 2025

S.No	Industry	No. of Students Completed
1	SALZER ELECTRONICS LIMITED, COIMBATORE	7
2	NEXUS GLOBAL SOLUTIONS, COIMBATORE	8
3	STIGMATA TECHNO SOLUTION LLP, CHENNAI	7
4	RAMPEX TECHNOLOGIES, CHENNAI	5
5	ADHOC SOFTWARES, COIMBATORE	3
6	HACKUP TECHNOLOGY, COIMBATORE	4
7	L&T PVT LTD / L&T PVT LIMITED	3
8	TRIOX TECHNOLOGY, COIMBATORE	2
9	TTF TECHNOLOGIES PRIVATE LIMITED, CHENNAI	2
10	ADVENTURE TECHNOLOGY SOLUTIONS	2
11	AANA SOLUTIONS, CHENNAI	1
12	DIX TECHNOLOGY INDIA	1
13	DIGITAL VALLEY INDIA	1
14	WALINNS INNOVATION PVT LTD, COIMBATORE	1
15	LIVE IN LAB	3
16	WEIMERA SYSTEMS PVT LTD	1
17	SASTRA UNIVERSITY	14
18	NIELIT, CHENNAI	18

Batch: 2022 - 2027

S.No	Industry	No. of Students Completed
1	Software Tech Solutions Private Limited. Cbe	1
2	Xcodefix Pvt Ltd.,cbe	1
3	EMGLITZ Technologies, Cbe	1
4	ADHOC Software, Cbe	1
5	ANCIT EduTech, Cbe	2
6	KITKAT Solutions, Cbe	5
7	TWISYS Infotech,Cbe	2

8	Zyphron Technologies Pvt Ltd., Cbe	3
9	TWISYS Infotech,Cbe	2
10	Resilience Business Grids LLP, Cbe	4
11	Labo Neft Pvt Ltd., Cbe	1

ITEM No.7

R2025

- It is resolved that Regulations 2025 (Outcome based Curriculum through Choice based Credit System,) will be followed for M.Tech – CSE (5 Year Integrated Programme) for students admitted in the Academic year 2025-2026 and onwards.

ITEM No.8

- It is resolved that the Curriculum and Syllabi be approved for the following new courses. (II, III & IV Semesters)

Category	Description	Credits
Basic Science Courses (BSC)	Courses related to Mathematics and Sciences	17
Humanities, Social Science & Management Courses (HSSM)	Courses including humanities, social sciences and Management studies	13
Engineering Sciences Courses (ESC)	Foundation courses relevant to the chosen programme of study	19
Professional Core Courses (PCC)	Core courses relevant to the chosen programme of study	57
Professional Electives Courses (PEC)	Elective courses relevant to the chosen programme of study	30
Open Electives Courses (OEC)	Elective Courses of other programme of study	6
Multidisciplinary Electives Courses (MEC)	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	6
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	2
Experiential Learning Courses (ELC)	Courses related to project based learning, internships	32
Mandatory Courses (MC)	Cocurricular / Extracurricular courses	(Non-credited)
Total Credits		201

**R2025
SEMESTER II**

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25MA2104	Probability and Statistics	BS	3	1	-	4
2.	25*****	Electronics and Sensor Applications	ES	1	-	-	2
3.	25CJ1201	Modern Computer Architecture	PC	3	-	-	3
4.	25HS2101	Indian Knowledge System	HSSM	2	-	-	2
5.	25TA2101	Tamils and Technology (தமிழரும் தொழில்நுட்பமும்)	HSSM	1	-	-	1
THEORY CUM LABORATORY							
6.	25PH2140	Foundations of Quantum Physics	BS	2	-	2	3
7.	25CJ1151	Object Oriented Programming using Python	ES	2	-	2	3
PRACTICALS							
8.	25CJ1281	Advanced Computer Hardware and GPU Virtualization Laboratory	ES	-	-	2	1
9.	25EN2170	Functional English	AEC	-	-	4	2
Total							21

**R2025
SEMESTER III**

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.	25MA***	Discrete Mathematics and Combinatorics	BS	3	1	-	4
2.	25CJ1202	Database Management Systems and Security	PC	3	-	-	3
4.	25CJ1231	Ability Enhancement Course -2	AEC	2	-	-	2
5.	25CJ1232	Skill Enhancement Course -1	SEC	2	-	-	2
THEORY CUM LABORATORY							
6.	25CJ1251	Data Structures & Algorithmic Design	PC	2	-	2	4
	25CJ1252	Operating Systems Design	PC	2	-	2	3
7.	25CJ1253	Java Programming Practices	ES	1	-	4	3
PRACTICALS							
8.	25CJ1282	Database Management Systems and Security Laboratory	PC	-	-	2	1
Total							22

**R2025
SEMESTER IV**

S. No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Open Elective – 1	OE	3	-	-	3
2.		Multidisciplinary Minor Course – 1	MMC	3	-	-	3
4.	25CJ1233	Value Added Course – 1	VAC	-	-	-	2
5.	25CJ1234	Liberal Arts Course – 1	LAC	-	-	-	2
THEORY CUM LABORATORY							
6.	25CJ1254	Computer Networks and Internet Technologies	PC	2	-	2	3
	25CJ1255	Data Science And Applications	PC	2	-	2	3
7.	25CJ1256	Artificial Intelligence & Machine Learning	PC	2	-	2	3
PRACTICALS							
8.	25CJ1381	Mini Project	ELC	-	-	-	2
	25CJ1283	Mobile Application Design, Development And Deployment	PC	-	-	2	1
Total							22

ITEM No.9

- It is resolved that the following new Open Elective courses under (Revised) Regulations 2025 be approved and passed.
 - Responsible AI and Governance of Future
 - Semantic XR: Intelligent Augmented and Virtual Reality

ITEM No.10

- It is resolved that the syllabi for the following new Skill Enhancement courses (SEC) under Regulations 2025 be approved and passed. .
 - 25CJ1232 – AI Foundations – Agents & Robots

ITEM No.11

- It is resolved that the syllabi for the following new Value Added courses (VAC)) under Regulations 2025 be approved and passed. .
 - 25CJ1233 - Technical content writing using AI Tools

ITEM No.12

- It is resolved that the syllabi for the following new Liberal Arts courses (LAC)) under Regulations 2025 be approved and passed. .
 - 25CJ1234 - Social Networks and Digital Cultures

ITEM No.13

- It is resolved that the Vision and Mission of the Department is disseminated for the Members suggestion and Feedback.

Suggestion by Expert Members:

1. Dr. Rajeswari Sridhar, University Nominee, Professor, Department of CSE, National Institute of Technology, Tiruchirappalli.

- The Professional Core Course Credits could be increased.
- Fourth Semester Results pass percentage was low and hence requested for remedial classes in future. Chairperson discussed about the present remedial classes followed in the Institution.
- Course “25CJ1251 - Data Structures & Algorithmic Design” 4 Credit Course could be reframed as “Data Structures” as 3 Credit Course in Third Semester and “Design and Analysis of Algorithms” as 3 Credit Course in Fourth Semester.
- Credit could be reduced for the Course “25CJ1254 - Computer Networks and Internet Technologies”.
- Course “25CJ1256 - Artificial Intelligence & Machine Learning” could be renamed as “25CJ1256 - Machine Learning” alone and few topics could be added.
- Course “25CJ1201 - Modern Computer Architecture” could be made as a theory cum Lab Course and schema topic could be removed from syllabus.
- Requested to remove the last module for the Course “25CJ1252 - Operating Systems Design” because of heavy burden in the Credit distribution.
- Requested to have maximum of 2 text books and 2 reference books alone for each Course.
- Appreciated the introduction of “25CJ1253 - Java Programming Practices” Course, for its Industry relevance.
- Questioned the importance of “25CJ1283 - Mobile Application Design, Development And Deployment” Course. Chairperson said the importance of this course for the Students.
- Requested to rewrite the second PEO.

2. Dr. Valliappan Raman, University Nominee, Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Technology, Coimbatore.

- Course “25CJ1256 - Artificial Intelligence & Machine Learning” could be renamed as “25CJ1256 - Machine Learning” alone and few topics could be added.
- Course “25CJ1201 - Modern Computer Architecture” could be made as a theory cum Lab Course and schema topic could be removed from syllabus.

3. Dr. Vivek Chaturvedi, , Expert from Outside the Parent University, Assoc.Prof/ CSE Indian Institute of Technology (IIT), Palakkad, Kerala,

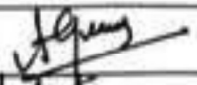
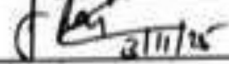
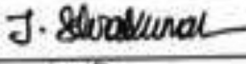
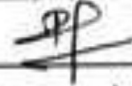
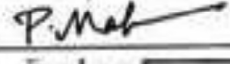
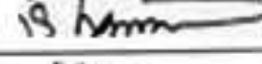
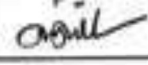
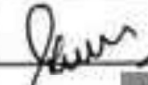
- Suggested few advance courses and the chairperson said the advance courses will be passed as Professional Elective Courses in the forth-coming BoS meetings and in the present 22nd BoS meeting the courses for 2nd, 3rd and 4th Semester alone is passed.
- Suggested that “25CJ1201 - Modern Computer Architecture” course could be added with topics like “Gem file & tools, modify pipeline, how transactions happen, simulators, add on register etc.”.
- “Project Management Tools” Course with various tools and charts in Project Management could be introduced as a separate Course because of its Industry demand and Chairperson said it be considered in forth-coming BoS.
- Course “25CJ1256 - Artificial Intelligence & Machine Learning” could be renamed as “25CJ1256 - Machine Learning” alone.
- Questioned the importance of “25CJ1283 - Mobile Application Design, Development And Deployment” Course. Chairperson said the importance of this course for the Students.
- Appreciated that the Value Added Course “25CJ1233 - Technical content writing using AI Tools” is very good course for M.Tech Student and suggested to remove the AI tools in the Course, because it might not ignite the innovation in the Students mind and such tools might reduce the Students creativity.
- Enquired about Entrepreneurship Courses and the Chairperson said those courses will be added in forth-coming BoS.

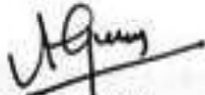
- Suggested that Research is important for a M.Tech Programme and the PSO1 & PSO2, should reflect the importance of Research.
- 4. Dr.Neeraj Kumar, Subject expert from other University, Dean, Digital Content Transformation (DCT) Professor, Department of Computer Science and Engineering, Thapar Institute of Engineering and Technology, (Deemed University), Patiala (Punjab)**
- Appreciated for including the Course “25CH2104 - Green & Computational Chemistry” in Semester I.
 - Appreciated for including the Course “25PH2140 - Foundations of Quantum Physics”
- 5. Ms.Anuradha Kanamarlapudi, Expert from Industry, Technology Director - Healthcare Technology & Innovation Center, GE Healthcare.**
- Fourth Semester Results pass percentage was low and hence requested for remedial classes in future
 - “Economics” Course could be added in Humanities, Social Science & Management Courses (HSSM) Category
 - Discussed about the continuity of future courses for the Course titled “Green & Computational Chemistry”.
 - Vector Database topic could be included for the Course “ 25CJ1202 - Database Management Systems and Security”.
 - Enquired about Cybersecurity courses and Chairperson said it will be passed in the forth-coming BoS.
 - Requested to make the Students enroll for Coursera online certification by AndreewNg for the Course “ 25CJ1255 - Data Science And Applications”.
 - Course “25CJ1256 - Artificial Intelligence & Machine Learning” could be renamed as “25CJ1256 - Machine Learning” alone.
 - Questioned the importance of “25CJ1283 - Mobile Application Design, Development And Deployment” Course. Chairperson said the importance of this course for the Students.
 - Appreciated that the Value Added Course “ 25CJ1233 - Technical content writing using AI Tools” is very good course for M.Tech Student and suggested to remove the AI tools in the Course
- 6. Mr.Madhankumar Subramaniam Chandran, Alumni Representative, Engineering Manager, Freshworks, Chennai.**
- Appreciated the “25CJ1253 - Java Programming Practices” Course because of its Industry relevance.

The Chairperson of the BoS thanked all the Members for their valuable suggestions and assured the necessary inputs will be incorporated suitably.

Photos of the Meeting:



S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr. Rajeswari Sridhar	University Nominee	
3.	Dr. Valliappan Raman	University Nominee	
4.	Dr.Vivek Chaturvedi	Subject Expert from Outside the Parent University	
5.	Dr.Neeraj Kumar	Subject expert from other University	
6.	Ms.Anuradha Kanamarlapudi	Expert from Industry	
7.	Mr.Madhankumar Subramaniam Chandran	Alumni Representative	
8.	Mr.R.Saravana Kumar	Internal Member	-
9.	Dr. J. Selvakumar	Internal Member	
10.	Dr.R.Anuradha	Internal Member	
11.	Dr.P.Mathiyalagan	Internal Member	
12.	Dr. S. Hari Hara Gopalan	Internal Member	
13.	Dr.R.Vijayakumar	Internal Member	
14.	Dr.K.Dhana Shree	Internal Member	
15.	Dr.N.Alagu Sundari	Internal Member	
16.	Mr.Y.J.Ganesh	Internal Member	


CHAIRPERSON
BOARD OF STUDIES
Department of M.Tech-CSE (5 Year Integrated Programme)



SRI RAMAKRISHNA ENGINEERING COLLEGE

[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]

VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.



27.03.2025

Minutes of the 21st CSE Board of Studies meeting for the M.Tech CSE (5 Year Integrated Programme) held on 27.03.2025 (Thursday) at Sri Ramakrishna Engineering College, Coimbatore, at 9.30AM in CSE Block Board Room.

The following members attended the above meeting.

1. Dr.M.S.Geetha Devasena, Chairperson
2. Dr. Rajeswari Sridhar, University Nominee
3. Dr. Valliappan Raman, University Nominee
4. Dr.Suresh Purini, , Expert from Outside the Parent University
5. Dr.G.Zayaraz , Subject expert from other University
6. Mr.Viswanathan Rajalingam, Expert from Industry
7. Mr.M.Divakar Raj, Alumni Representative
8. Dr.A.Grace Selvarani, COE & Internal Member
9. Dr.R.Anuradha, Internal Member
10. Dr.P.Perumal, Internal Member
11. Dr.J. Selvakumar, Internal Member
12. Dr.S.Harihara Gopalan, Internal Member
13. Dr.R. Kingsy Grace, Internal Member
14. Dr.R.Madhumathi, Internal Member
15. Dr.B.Mathivanan, Internal Member
16. Dr.P.Mathiyalagan, Internal Member
17. Mrs.S.Ezhilin Freeda, Internal Member
18. Mrs.S.Prince Sahaya Brighty, Internal Member
19. Mrs.R.S.Ramya, Internal Member
20. Mrs.G.Rathi, Internal Member
21. Mrs.P.Sugantha Priyadharshini, Internal Member
22. Dr.R.Vijayakumar, Internal Member
23. Mr.S.SureshKumar, Internal Member
24. Mr.G.Narendran, Internal Member
25. Mr.Y.J.Ganesh, Internal Member

- Prof.Dr.M.S.Geetha Devasena Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the 21st BoS meeting. Chairperson disseminated the Vision & Mission of the Institution and also the Vision & Mission of the Department and PEOs, POs & PSOs of the Programme M.Tech Computer Science and Engineering. After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.

ITEM No.1

- It is resolved that the Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit will be followed for M.Tech - CSE (5 Year Integrated Programme) Students admitted in the Academic year 2022, 2023 & 2024.

ITEM No.2

- It is resolved that the syllabi for the following new Professional Elective courses under Revised Regulations 2020 be approved and passed.
- 20CS2E85 - Prompt Engineering
 - 20CS2E86 - C# and .Net Programming
 - 20CS2E87 - Application Development using MERN Stack
 - 20CS2E88 - Immersive Technologies

ITEM No.3

- It is resolved that the following new One Credit Courses will be included under Revised Regulations 2020 for M.Tech - CSE (5 Year Integrated Programme).
- 20CSI037 - Component-Based UI development using React & Node
 - 20CSI038 - Building Modern Frontend Applications with Angular
 - 20CSI039 - MERN Stack Development
 - 20CSI040 - Java Application Development using Spring Boot

ITEM No.4

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

S.No	Course Id	Course Name	SME Name	Institute	Duration	Mentor
1.	noc25-cs04	Affective Computing	Prof. Jainendra Shukla Prof. Abhinav Dhall	IIIT Delhi	12 Weeks	Dr.R.Anuradha
2.	noc25-cs08	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IIT Kharagpur	12 Weeks	Dr.S.Harihara Gopalan

3.	noc25-cs09	Business Intelligence & Analytics	Prof. Saji K Mathew	IIT Madras	12 Weeks	Mrs.S.Ezhilin Freeda
4.	noc25-cs14	Computational Number Theory and Algebra	Prof. Nitin Saxena	IIT Kanpur	12 Weeks	Mr.S.Suresh Kumar
5.	noc25-cs21	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks	Mrs.A.Mahalakshmi
6.	noc25-cs35	Games and Information	Prof. Ankur A. Kulkarni	IIT Bombay	12 Weeks	Mr.N.Manoj
7.	noc25-cs36	Getting Started with Competitive Programming	Prof. Neeldhara Misra	IIT Gandhinagar	12 Weeks	Mrs.M.Amuthasurabi
8.	noc25-cs37	GPU Architectures and Programming	Prof. Soumyajit Dey	IIT Kharagpur	12 Weeks	Ms.S.Varsha
9.	noc25-cs38	Human Computer Interaction (In English)	Prof. Rajiv Ratn Shah	IIIT Delhi	12 Weeks	Dr.R.Kingsy Grace
10.	noc25-cs52	Object Oriented System Development Using UML, Java And Patterns	Prof. Rajib Mall	IIT Kharagpur	12 Weeks	Ms.N.Nandhineshree
11.	noc25-cs54	Parallel Computer Architecture	Prof. Hemangee K. Kapoor	IIT Guwahati	12 Weeks	Mr.YM.Ismankhan
12.	noc25-cs61	Quantum Algorithms and Cryptography	Prof. Shweta Agrawal	IIT Madras	12 Weeks	Dr.R.Madhumathi
13.	noc25-cs62	Reinforcement Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks	Mrs.A.Shanmuga priya
14.	noc25-cs63	Secure Computation: Part I	Prof. Ashish Choudhury	IIIT Bangalore	12 Weeks	Mr.M.Velmurugan
15.	noc25-cs65	Social Networks	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks	Mrs.R.S.Ramya
16.	noc25-ee16	Deep Learning	Prof. Prabir Kumar Biswas	IIT Kharagpur	12 Weeks	Mr.R.S.Vishnu Durai
17.	noc25-cs79	Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	IIIT Hyderabad	12 weeks	Dr.R.Vijayakumar

ITEM No.5

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

Odd Semester				
Semester	No. of Students Registered in all the Subjects	No. of Students Appeared in all the Subjects	No. of Students Passed in all Subjects	Overall Percentage %
III	59	59	47	81.03 %
V	59	58	55	93.22 %
VII	58	58	58	100%

ITEM No.6

- It is resolved that the following Mandatory courses be approved for the students in M.Tech CSE (5 Year Integrated programme)

Batch: 2021 - 2025 (IV Year)

S.No	Mandatory Course	Course Code	No. of Students Completed
1.	Employability Enhancement course	20MC291	59

Batch: 2022 - 2026 (III Year)

S.No	Mandatory Course	Course Code	No. of Students Completed
1.	Mandatory Course I	-	58
2.	Mandatory Course II	-	59

Batch: 2023 - 2027 (II Year)

S.No	Mandatory Course	Course Code	No. of Students Completed
1.	Technical Certification	20MC275	Students undergoing the Course

ITEM No.7

- It is resolved that the following students had completed 4/6 weeks of Internship/Inplant training be approved for the student in M.Tech CSE (5 Year Integrated programme)

Batch: 2021 - 2025: NIL

Batch: 2022 - 2026 (III Year)

S.No	Industry	No. of Students Completed
1	Laboneft pvt.ltd	1
2	Gateway Software Solutions	1
3	Infosys	1
4	ANCIT EDUTECH	1
5	Kitkat Software Technologies	3
6	Zyphron Technologies	7
7	Emglitz Technologies	1
8	RBG. AI	2
9	Mindnotix	2

ITEM No.8

R2025

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

SEMESTER – I							
S.No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Maths Course -1 (Linear Algebra and Differential Calculus)	BS	3	1		4
2.		Digital System Design	ES	3			3
3.		Green and Computational Chemistry	BS	2			2
4.		Computational Thinking and Problem Solving	ES	3			3
5.		Liberal Arts Course – 1 (Tamil – I)	LAC	1			1
THEORY CUM LABORATORY							
6.		Business and Corporate Communication	HSSM	2		2	3
7.		Programming in Python	ES	2		2	3
PRACTICAL COURSES							
8.		Foundations of Computer Systems Lab	ES			2	1
TOTAL							20

SEMESTER – II							
S.No	Course Code	Course Title	Category	L	T	P	C
THEORY							
1.		Maths Course -2 (Probability and Statistics)	BS	3	1		4
2.		Sensors for Engineering Application	BS	1			1
3.		Programming in C	ES	3			3
4.		Computer Architecture	PC	3			3
5.		Ability Enhancement Course – 1 (Soft Skills)	AEC	1		2	2
6.		Indian Knowledge System	HSSM	3			3
7.		Liberal Arts Course – 1 (Tamil – II)	LAC	1			1
THEORY CUM LABORATORY							
8.		Foundations of Quantum Physics	BS	2		2	3
PRACTICAL COURSES							
9.		Programming in C Lab	ES			2	1
TOTAL							21

ITEM No.09

R2025

- It is resolved that Regulations 2025 (Outcome based Curriculum through Choice based Credit System,) will be followed for all M.Tech - CSE (5 Year Integrated Programme) students admitted in the Academic year 2025 onwards.

ITEM No.10

- It is resolved that the Vision and Mission of the Department will be modified in line with the New Vision and Mission of the Institution and will be followed from the academic year 2025-2026 onwards after approval from various Academic Administrative Committees..

Snapshots of the 21st BoS Meeting:



Suggestion by Expert Members:

01. Dr. Rajeswari Sridhar, University Nominee, Professor, Department of CSE, National Institute of Technology, Tiruchirappalli.

- For the Professional Elective Course titled “20CS2E86 – Full Stack .Net Development with C#”, it is suggested that .Net importance in Industry could be discussed further with Industry Experts and the course title & few topics could be revised.
- Suggested to include the Course Objectives in the Syllabus of all the courses.
- Suggested to revise the Lab hours as 30 hours and Theory hours as 30 hours for Theory cum Lab Courses.
- For the Professional Elective Course titled “20CS2E88 -Immersive Technologies for Industry 5.0”, it is requested to remove the word “Industry 5.0” in the Course title.
- For the Professional Elective Course titled “20CS2E88 -Immersive Technologies for Industry 5.0”, it is requested to check for availability of Open Source software instead of licensed software.
- The Professional Elective Course titled “20CS2E87 - MERN Stack Development” and One credit Course titled “20CSI039 - MERN Stack Development “, both course names are same and either one course title could be renamed.
- The Liberal Arts category name could be renamed as “Heritage & Arts”.
- Under the Regulations 2025, for the first semester Maths Course -1 (Linear Algebra and Differential Calculus), it is suggested to include “Applications of Linear Algebra”, add specific case studies and to invite Guest Lecture series for the Course.
- It is suggested to rename the course titled “Computer System Design “as “Digital System Design”.
- It is suggested to reorient the Course titled “Computational Thinking and Problem Solving” by adding “Object Oriented Programming aspects” and “Rule based programming”.
- It is suggested to include “Unit testing framework” in all Programming Lab Courses.
- It is suggested to include case studies for the Second semester Maths Course -2 (Probability & Statistics).
- It is suggested to include the book “Radar for Autonomous Driver” for the Course titled “Sensors for Engineering Application”.
- Expressed that the Course titled “Foundation of Quantum Physics”, is very difficult for First Year Students and suggested to

- Revise second module
 - Remove third module
 - Remove “EPR & Church Turing” contents from the Course
- It is suggested in the Professional Core Course titled “Computer Architecture” to remove the Memory location and operations topics shall be removed and X86 & ARM topics may be added.

02. Dr. Valliappan Raman, University Nominee, Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Technology, Coimbatore.

- It is suggested to include the topics “Kubernetes, Containerization & Docker”, for the Course titled “20CS2E87 - MERN Stack Development”.
- For the Professional Elective Course titled “20CS2E88 -Immersive Technologies for Industry 5.0”, it is requested to avoid the name of the licensed software like Unity in the Syllabus and also requested to rearrange the modules such as AR / VR fundamentals as initial modules then followed by other two modules.
- It is expressed that the Course titled “Foundation of Quantum Physics”, will be very difficult for Students and few modules could be revised and certain topics could be removed and overall Course contents could be diluted.
- It is suggested to remove the Course titled “Applied Sciences Lab” in Semester II under Regulations 2025.

03. Dr.Suresh Purini, , Expert from Outside the Parent University, Assoc.Prof/ CSE International Institute of Information Technology (IIIT) Hyderabad

- It is suggested to include “Object oriented Software Software Design” topics for the course titled “20CS2E86 - Full Stack .Net Development with C#”.
- It is suggested to strengthen the Course titled, “Programming in C” by adding Memory Management related topics.

04. G.Zayaraz, Subject expert from other University, Prof & Head Puducherry Technological University, Puducherry

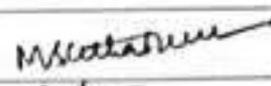
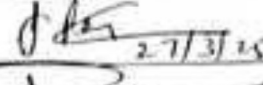
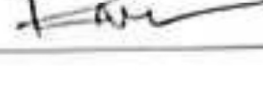
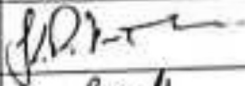
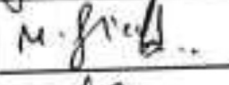
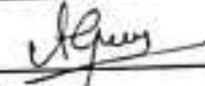
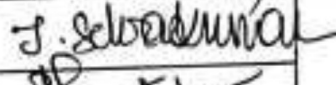
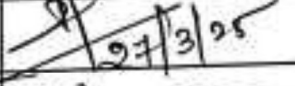
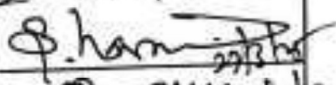
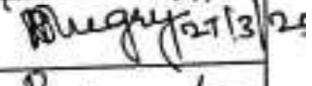
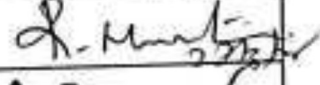
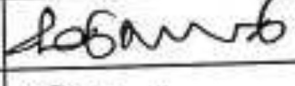
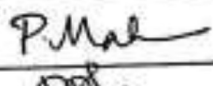
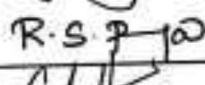
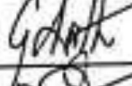
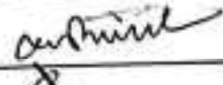
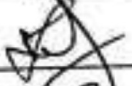
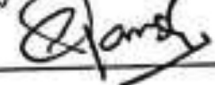
- It is suggested to include new Course on “Design patterns”.
- It is suggested to increase the credits to 4 for the course titled “Programming in C”.

05. Mr.Viswanathan Rajalingam, Expert from Industry, Multicoreware, Vice President & General Manager Mobility & Transportation Business Unit, Chennai – 600089.

- It is suggested that .Net is being applied in various Casino Gaming Industries and hence, .Net topics could be included in the Course titled “20CS2E86 - Full Stack .Net Development with C#”.
- It is suggested to include MQTT & ZEMOH topics, for the course titled “20CS2E87 - MERN Stack Development”.
- It is suggested to include new course on RUST.
- It is requested to rename the Professional Elective Course titled “20CS2E88 -Immersive Technologies for Industry 5.0”, as “20CS2E88 -Immersive Technologies”. He also requested to modify last module as Capstone Project.
- It is suggested to include Electrical vehicle battery and Green Energy topics for the Course titled “Green and Computational Chemistry”.
- Suggested to include the Model Context Book (MCB), for the Professional Elective Course titled “20CS2E85 - Prompt Engineering”.

06. Mr.M.Divakar Raj, Alumni Representative, Technical Architect, Odessa, Bengaluru

- It is suggested that .Net is being applied in various Gaming Industries and hence, .Net topics could be included in the Course titled “20CS2E86 - Full Stack .Net Development with C#”.
- It is suggested to revise the contents of the Course titled “20CS2E86 - Full Stack .Net Development with C#”, based on applications and to add case studies in C#.
- It is suggested to focus more on Programming Paradigms and to include a separate lab course for C Programming.

S.No	Name of the Member	Designation	Signature
1.	Dr.M.S.Geetha Devasena	Chairperson	
2.	Dr. Rajeswari Sridhar	University Nominee	
3.	Dr. Valliappan Raman	University Nominee	
4.	Dr.Suresh Purini	Subject Expert from Outside the Parent University	
5.	Dr.G.Zayaraz	Subject expert from other University	
6.	Mr.Viswanathan Rajalingam	Expert from Industry	
7.	Mr.M.Divakar Raj	Alumni Representative	
8.	Dr.A.Grace Selvarani	Internal Member	
9.	Dr.P.Perumal	Internal Member	
10.	Dr. J. Selvakumar	Internal Member	
11.	Dr.R.Anuradha	Internal Member	
12.	Dr. S. Hari Hara Gopalan	Internal Member	
13.	Dr.R. Kingsy Grace	Internal Member	
14.	Dr.R.Madhumathi	Internal Member	
15.	Dr.B.Mathivanan	Internal Member	
16.	Dr.P.Mathiyalagan	Internal Member	
17.	Mrs.S.Elhiin Freeda	Internal Member	
18.	Mrs.S.Prince Sahaya Brighty	Internal Member	
19.	Mrs.R.S.Ramya	Internal Member	
20.	Mrs.G.Rathi	Internal Member	
21.	Mrs.P.Sugantha Priyadharshini	Internal Member	
22.	Dr.R.Vijayakumar	Internal Member	
23.	Mr.G.Narendran	Internal Member	
24.	Mr.Y.J.Ganesh	Internal Member	



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VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.



Date: 08.11.2024

Minutes of the 20th CSE Board Of Studies meeting for the M.Tech – CSE (5 Year Integrated Programme) held on 08.11.2024 (Friday) of Sri Ramakrishna Engineering College, Coimbatore, at 02.00 PM in Online Mode

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr. Rajeswari Sridhar, University Nominee
3. Dr. Valliappan Raman, University Nominee
4. Dr.Suresh Purini, , Expert from Outside the Parent University
5. Dr.G.Zayaraz , Subject expert from other University
6. Mr.Viswanathan Rajalingam, Expert from Industry
7. Mr.M.Divakar Raj, Alumni Representative
8. Dr.R.Anuradha, Internal Member
9. Dr.M.S.Geetha Devasena, Internal Member
10. Dr.P.Perumal, Internal Member
11. Dr. J. Selvakumar, Internal Member
12. Dr.S.Harihara Gopalan, Internal Member
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19. Mrs.R.S.Ramya, Internal Member
20. Mrs.G.Rathi, Internal Member
21. Mrs.P.Sugantha Priyadharshini, Internal Member
22. Dr.R.Vijayakumar, Internal Member
23. Mr.G.Narendran, Internal Member
24. Mr.Y.J.Ganesh, Internal Member

- Prof.Dr.A.Grace Selvarani, 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 No.1

- 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 No.2

- It is resolved that the syllabi for the following new Professional Core Course under (Revised) Regulations 2020 be approved and passed.
 - **20CS105– RESEARCH METHODOLOGY AND IPR**

ITEM No.3

- It is resolved that the syllabi for the following new Professional Elective Courses under (Revised) Regulations 2020 be approved and passed.
 - **20CS2E84 VERSION CONTROL SYSTEMS & CI / CD**
 - **20CS1E51 STREAM PROCESSING**
 - **20CS1E52 GENERATIVE AI in CYBERSECURITY**
 - **20CS1E53 WEB APPLICATION SECURITY**

ITEM No.4

- It is resolved that the following new one credit courses will be included under (Revised) Regulations 2020 for B.E. CSE & M.Tech – CSE 5 Year Integrated Programme.
 - **20CSI034 – DOCKERS (By IQZ systems, Coimbatore)**
 - **20CSI035 - GenAI (By Tata Consultancy Services, Bangalore)**
 - **20CSI036 - AWS (By Presidio solutions private limited)**

ITEM No.5

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

S.NO	Course Id	Course Name	SME Name	Institute	Duration
1	noc24-cs85	Practical Cyber Security for Cyber Security Practitioners	Prof. Sandeep K. Shukla	IIT Kanpur	12 Weeks
2	noc24-cs70	Introduction to Graph Algorithms	Prof. C Pandu Rangan	IISc Bangalore	8 Weeks
3	noc24-cs100	Randomized Methods in Complexity	Prof. Nitin Saxena	IIT Kanpur	12 Weeks
4	noc24-cs102	Reinforcement Learning	Prof. Balaraman Ravindran	IIT Madras	12 Weeks
5	noc24-cs89	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IIT Hyderabad	12 Weeks
6	noc24-cs91	Software Testing	Prof. Meenakshi D'souza	IIIT Bangalore	12 Weeks
7	noc24-cs67	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Raghunathan	IBM and IIT Madras	4 Weeks
8	noc24-cs114	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar Prof. Sukrit Gupta	IIT Ropar	12 Weeks
9	noc24-cs121	Cyber Security and Privacy	Prof. Saji K Mathew	IIT Madras	12 Weeks
10	noc24-cs93	Multi-Core Computer Architecture	Prof. John Jose	IIT Guwahati	12 Weeks
11	noc24-cs131	Google Cloud Computing Foundations	Prof. Soumya Kanti Ghosh	IIT Kharagpur	8 Weeks
12	noc24-cs94	Ethical Hacking	Prof. Indranil Sengupta	IIT Kharagpur	12 Weeks
13	noc24-cs124	Computer Vision	Prof. Jayanta Mukhopadhyay	IIT Kharagpur	12 Weeks
14	noc24-cs109	Algorithmic Game Theory	Prof. Palash Dey	IIT Kharagpur	12 Weeks
15	noc24-cs97	Approximation Algorithm	Prof. Palash Dey	IIT Kharagpur	12 weeks
16	noc24-cs132	Responsible & Safe AI Systems	Prof. Ponnurangam Kumaraguru Prof. Balaraman Ravindran Prof. Arun Rajkumar	IIIT Hyderabad and IIT Madras	12 Weeks

ITEM No.6

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

EVEN SEMESTER				
SEMESTER	NO.OF STUDENTS REGISTERED IN ALL THE SUBJECTS	NO.OF STUDENTS APPEARED IN ALL THE SUBJECTS	NO.OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PERCENTAGE %
II	59	59	35	59.32 %
IV	57	57	45	76.27 %
VI	58	58	54	96.43 %

ITEM No.7

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

Proposed Vision:

- To become a world-class university excelling in multidisciplinary engineering education through cutting-edge technologies and impactful societal contributions for sustainable development

Proposed Mission:

- Provide quality education that builds strong technical, analytical and managerial skills for future professionals. ***(Deliver Quality Engineering Education) (M1)***
- Nurture creativity, innovation and research ecosystem for local and global needs ***(Encourage Research and Innovation) (M2)***
- Foster ethics, leadership, entrepreneurial and life skills for holistic development ***(Foster Holistic Growth) (M3)***
- Develop technological solutions that enhance sustainability and societal well-being through collaborations. ***(Contribute to Sustainable Development) (M4)***

Key Indicators	M1	M2	M3	M4
Multidisciplinary Engineering	3	2	3	2
Cutting-edge technologies	3	3	2	3
Impactful societal contributions	3	2	2	3
Sustainable development	2	2	3	3

Suggestion by Expert Members:

01. **Dr. Rajeswari Sridhar**, University Nominee, Professor, Department of CSE, National Institute of Technology, Tiruchirappalli.

- For the Professional Elective Course titled “20CS2E84 Version Control Systems & CI / CD”, the reference & Text Books are fine.
- The one credit course titled “20CSI035 – GenAI” could be renamed as “20CSI035 - LLM” because GenAI is too vast to fit in 18Hours.
- The first Mission statement “Provide quality education that builds strong technical, analytical and managerial skills for future professionals” could be modified as “Provide quality education that builds strong technical, analytical and **Entrepreneurship** skills for future professionals”

02. **Dr. Valliappan Raman**, University Nominee , Professor, Department of Artificial Intelligence and Data Science, Coimbatore Institute of Technology, Coimbatore.

- The one credit course titled “20CSI036 – AWS”, could be renamed as “20CSI036 – Web Service Providers” or else “20CSI036 – Cloud Essentials”, and also include the topics “AWS & AZURE” in the syllabus. So that proprietary is avoided.

03. **Dr.Suresh Purini**, , Expert from Outside the Parent University, Assoc.Prof/ CSE International Institute of Information Technology (IIIT) Hyderabad

- The One Credit Course titled “20CSI034 – Dockers” could be renamed as “20CSI034 – Docker Essentials”
- The second Mission statement could be re modified as “Nurture creativity, innovation, **Consultancy** and research ecosystem for local and global needs”.
- The ISO standards on AI could be included for the Professional Elective Course “20CS152 Generative AI in Cyber Security”.

04. **Dr.G.Zayaraz** , Subject expert from other University, Prof & Head Puducherry Technological University, Puducherry

- Overall the One credit courses, professional Elective and Professional core courses are fine and could be implemented as per the experts suggestion

05. **Mr.Viswanathan Rajalingam**, Expert from Industry, Multicoreware, Vice President & General Manager Mobility & Transportation Buisness Unit, Chennai – 600089

- The version control system is presently being followed in Industry and very good to include in syllabus with Lab experiments under the Professional Elective Course titled “20CS2E84 Version Control Systems & CI / CD”.

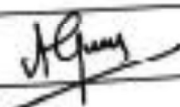
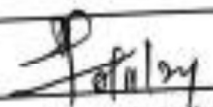
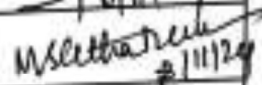
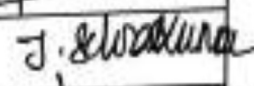
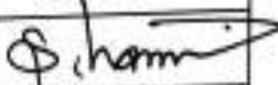
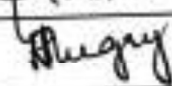
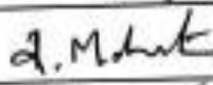
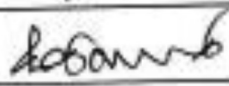
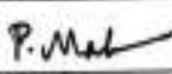
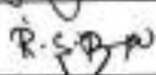
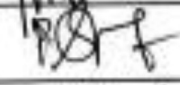
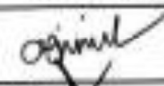
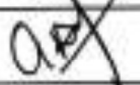
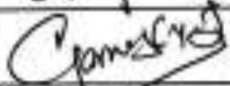
- The second Mission statement “Nurture creativity, innovation and research ecosystem for local and global needs”, could be re modified as “Nurture creativity, innovation, **Consultancy** and research ecosystem for local and global needs”.
- “Security & responsibility” is important in present scenario and it could also be reflected in Vision & Mission.
- “The ISO standards” could be included for the Professional Elective Course “20CS152 - Generative AI in Cyber Security”.

06. **Mr.M.Divakar Raj**, Alumni Representative, Technical Architect, Odessa, Bengaluru

- For the Professional Elective Course titled “20CS2E84 Version Control Systems & CI / CD”, appreciated for including such Industry ongoing topics in the Syllabus, so that such topics will increase the industry readiness of the Student.

Snapshots of the 20th BoS Meeting:



S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr. Rajeswari Sridhar	University Nominee	
3.	Dr. Valliappan Raman	University Nominee	
4.	Dr.Suresh Purini	Subject Expert from Outside the Parent University	
5.	Dr.G.Zayaraz	Subject expert from other University	
6.	Mr.Viswanathan Rajalingam	Expert from Industry	
7.	Mr.M.Divakar Raj	Alumni Representative	
8.	Dr.R.Anuradha	Internal Member	
9.	Dr.M.S.Geetha Devasena	Internal Member	 #11/12/24
10.	Dr.P.Perumal	Internal Member	
11.	Dr. J. Selvakumar	Internal Member	
12.	Dr. S. Hari Hara Gopalan	Internal Member	
13.	Dr.R. Kingsy Grace	Internal Member	
14.	Dr.R.Madhumathi	Internal Member	
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22.	Dr.R.Vijayakumar	Internal Member	
23.	Mr.G.Narendran	Internal Member	
24.	Mr.Y.J.Ganesh	Internal Member	



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22.03.2024

MINUTES OF THE 19th CSE BOARD OF STUDIES MEETING FOR THE UG M.Tech CSE (5 Year Integrated Programme) HELD ON 22.03.2024 AT 10.00AM IN CSE BOARD ROOM OF SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr.M.K.Kavitha Devi, University Nominee
3. Dr. R. Govindarajan, Expert member from Government Organization (IISc)
4. Mr.N.Sadhasivam, Expert from Industry
5. Mr. H. Rajesh Kumar, Alumni Representative
6. Dr.M.S.Geetha Devasena, Internal Member
7. Dr.P.Perumal, Internal Member
8. Dr. J. Selvakumar, Internal Member
9. Dr.R.Anuradha, Internal Member
10. Dr.R. Kingsy Grace, Internal Member
11. Dr.B.Mathivanan, Internal Member
12. Dr.P.Mathiyalagan, Internal Member
13. Dr.R.Madhumathi, Internal Member
14. Dr.R.Vijayakumar, Internal Member
15. Mrs.G.Rathi, Internal Member
16. Mrs.S.Elhiin Freeda, Internal Member
17. Mrs.P.Sugantha Priyadharshini, Internal Member
18. Mr.Y.J.Ganesh, Internal Member

- Prof.Dr.A.GraceSelvarani, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the 18th BoS meeting. Programme Co-ordinator disseminated the Vision, Mission, PO,PSO & PEO of the Department.

ITEM No.1

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all M.Tech – CSE (5 Year integrated . programme) for students admitted in the Academic year 2021 & onwards.

ITEM No.2

- It is resolved that the syllabi for the following new Professional Elective courses under (Revised) Regulations 2020 be approved and passed.
- 20CS2E82 AI FOR EDGE DEVICES
 - 20CS2E83 IDENTITY AND ACCESS MANAGEMENT (IAM) & ZERO TRUST SECURITY

ITEM No.3

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

S.N O	Course Id	Course Name	SME Name	Institute	Duration
1	noc24-cs01	Foundations of Cryptography	Prof. Ashish Choudhury	IIIT Bangalore	12 Weeks
2	noc24-cs04	Privacy and Security in Online Social Media	Prof. Ponnurangam Kumaraguru	IIITH	12 weeks
3	noc24-cs07	Secure Computation: Part I	Prof. Ashish Choudhury	IIIT Bangalore	12 Weeks
4	noc24-cs15	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IITKGP	12 Weeks
5	noc24-cs27	Foundations of Cyber Physical Systems	Prof. Soumyajit Dey	IITKGP	12 Weeks
6	noc24-cs29	Getting Started with Competitive Programming	Prof. Neeldhara Misra	IIT Gandhinagar	12 Weeks
7	noc24-cs30	GPU Architectures And Programming	Prof. Soumyajit Dey	IITKGP	12 Weeks
8	noc24-cs39	Natural Language Processing	Prof. Pawan Goyal	IITKGP	12 Weeks
9	noc24-cs40	Object Oriented System Development Using UML, Java And Patterns	Prof. Rajib Mall	IITKGP	12 Weeks
10	noc24-cs49	Theory of Computation	Prof. Subrahmanyam Kalyanasundaram	IIT Hyderabad	12 Weeks
11	noc24-cs52	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks
12	noc24-cs59	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar Prof. Padmavati	IIT Ropar	12 Weeks
13	noc24-cs63	Parallel Computer Architecture	Prof. Hemangee K. Kapoor	IITG	12 Weeks

S.N O	Course Id	Course Name	SME Name	Institute	Duration
14	noc24-cs64	Games and Information	Prof. Ankur A. Kulkarni	IITB	12 weeks
15	noc24-cs65	Business Intelligence & Analytics	Prof. Saji K Mathew	IITM	12 Weeks
16	noc24-cs66	Edge Computing	Prof. Rajiv Misra	IITP	8 Weeks
17	noc24-cs26	Foundation of Cloud IoT Edge ML	Prof. Rajiv Misra	IITP	8 Weeks

ITEM No.4

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

ODD SEMESTER				
SEMESTER	NO.OF STUDENTS REGISTERED IN ALL THE SUBJECTS	NO.OF STUDENTS APPEARED IN ALL THE SUBJECTS	NO.OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PERCENTAGE %
III	58	58	48	82.75%
V	57	57	35	61.40%

ITEM No.5

- It is resolved that the following students had completed 4/6 weeks of internship/inplant training be approved for the student in M.Tech - CSE degree programme

Batch: 2021 – 2025

S.NO	INDUSTRY NAME	NO OF STUDENTS INTERNSHIP COMPLETED
1	Salzer Electronics Limited, Coimbatore	08
2	Rampex Technologies, Chennai	06
3	Adhoc Softwares, Coimbatore	03
4	Stigmata Techno Solution LLP, Chennai	09
5	Aana Solutions, Chennai	01
6	Hackup Technology, Coimbatore	03
7	SP Technology, Coimbatore	01
8	Nexus Global Solutions, Coimbatore	09
9	Triox Technology, Coimbatore	02
10	Walins Innovation PVT LTD, Tidel Park, Elcotsez, Coimbatore	01
11	TTF Technologies Private Limited, Chennai	02
	Total	45

Suggestion by Expert Members:

Dr.M.K.Kavitha Devi (Professor, Thiagarajar College of Engineering, Madurai - University Nominee)

- Questioned whether Final Year & Prefinal Year Students do Internship / Live-in-Lab as Team or else as Individuals?. Programme coordinator replied that Students do Internship as individual and Live-in-Lab as Team with the guidance of Mentor and the Students take up the Problem statement of nearby interior villages and come up with solution as social relevant Project.
- Questioned whether the Proposed Professional Elective Course titled “20CS2E82 - Embedded Artificial Intelligence” is a Theory Cum Laboratory Courses. The Programme Co-ordinator replied that it is an Theory Cum Laboratory Course with a Prerequisite Core Course like Machine Learning during 4th Semester and Elective Course like Deep Learning in 5th Semester .
- Discussed about Embedded AI syllabus and Dr.Anuradha ASP/CSE replied that building a Model in a Cloud or else in any platform and can deploy in any device, so that the Students know how to build a model, quantize and prune it and display in any edge devices as Embedded System Course is prerequisite for this Course.
- Questioned how the CO is assessed during Course assessment in exam point of view and also during regular lecture delivery. The programme coordinator replied that the CO is addressed based on the Blooms taxonomy level like analyze, apply etc... Following the Institution IQAC guidelines. The COs are also revamped based on Blooms Taxonomy.
- Questioned how the Student progress are tracked for NPTEL courses. The Programme coordinator replied that a mentor is allocated for each credit transfer NPTEL Courses identified by the department The Mentor also will register for this NPTEL course and the Mentor keeps track of the Students progress in writing assignment for NPTEL , doubt clarification, Students registration for the corresponding Course, Examination etc.. And it's the Students choice to convert the NPTEL Course for a credit transfer or not.
- Questioned about the Internal pass percentage compared to Autonomous pass percentage and the programme co-ordinator said mostly both the pass percentage are similar.
- Questioned about the internal & external spilt up and Programme co-ordinator said that for Theory Courses the 40% : 60% ratio is followed with ALM, Assignment test, Surprise Quiz etc.. as per the Regulations.

- Discussed about the Tools used in Professional Elective titled “20CS2E81 - Cloud Deep Learning and GenAI Solutions”.
- Questioned about the benchmarking followed while framing the syllabus. The Programme co-ordinator replied that IITs, MIT, Stanford etc... & other leading National & International Institution Syllabus is referred.
- Questioned why Deep learning, Cloud concepts and GenAI are framed in a single Course titled “20CS2E81 - Cloud Deep Learning and GenAI Solutions”. The Programme co-ordinator replied that few Students requested combination of these concepts in a single course and few Industry also requested for such integrated course.

Dr. R. Govindarajan (Professor, IISc, Bangalore - Expert member from Government Organization)

- Appreciated that the course “20CS2E82 - Embedded Artificial Intelligence” content is good and questioned about the Lab component and the Programme Co-ordinator said that it’s a Theory cum Lab course and hence Lab component is added
- Suggested that the course name could be renamed as “20CS2E82 - AI for Edge devices” instead of “20CS2E82 - Embedded Artificial Intelligence”, because the syllabus focusses on it.
- Questioned whether the result analysis pass percentage are compared with the previous year results? The programme co-ordinator replied that result analysis after comparison is found that pass percentage is almost similar to previous year with slight variations.
- Appreciated the syllabus contents of the course titled “20CS2E81 - Cloud Deep Learning and GenAI Solutions” and also suggested to rename the course as “20CS2E81 – Deep learning & Gen AI for Cloud”.
- Appreciated that Specialization & Minor syllabus is pretty good.
- Also suggested to evaluate and access the benefits of Professional Electives courses, Specialization and Minor through placements. Such assessment results will help us to move to next step ahead in designing the syllabus. The small progress in Industry enabled course initially will lead to great benefit in forth coming years.

Mr.N.Sadhasivam (Software Engineer, JP Morgan Chase , Bangalore, Expert from Industry) :

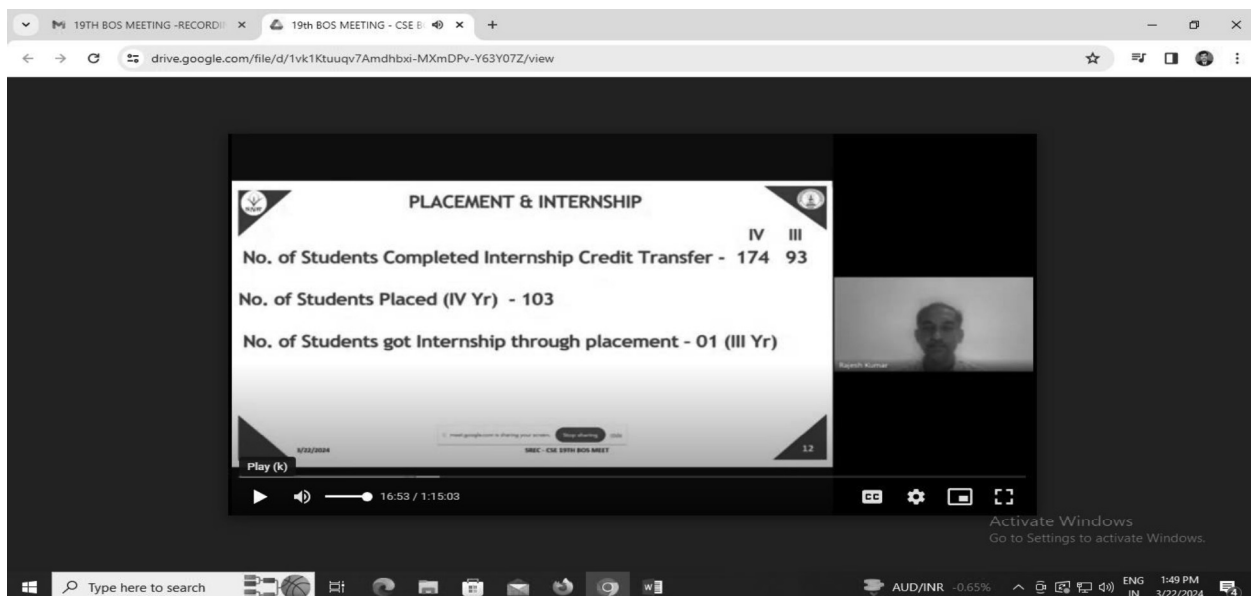
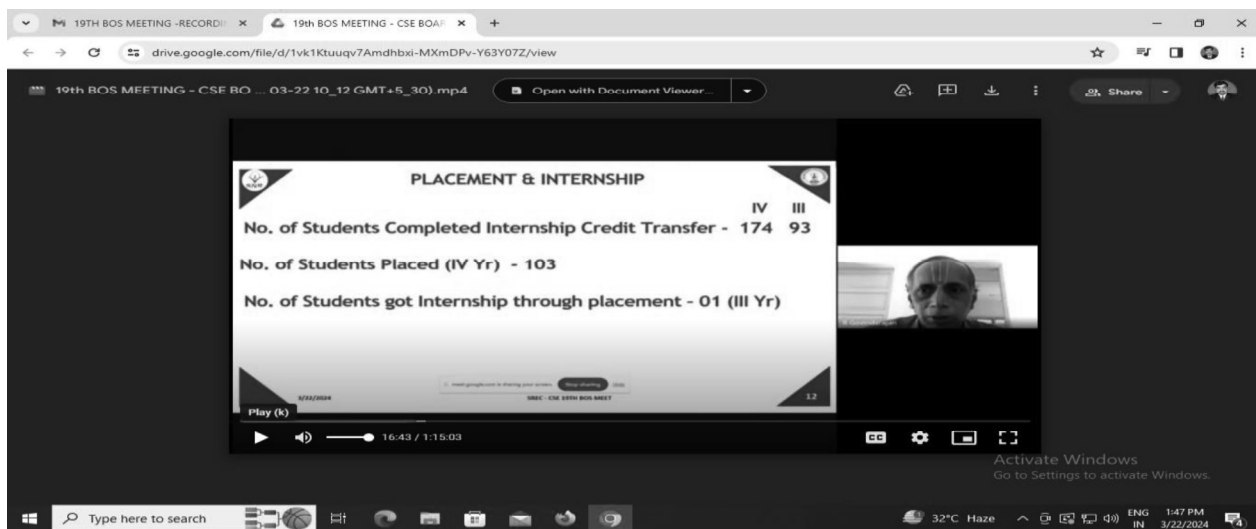
- Questioned about NPTEL Courses and Programme Co-ordinator said presently Students can get Credit transfer for 6 - credits and Students have done NPTEL courses earlier in Odd Semester during their 5th Semester and Students are presently doing NPTEL courses in Even Semester during their present 6th Semester for credit transfer through NPTEL Courses.
- Questioned whether the proposed Professional Elective “20CS2E83 - Identity and Access Management (IAM) & Zero Trust Security” is a theory Course and the Programme Co-coordinator replied that it is a theory Course in Cyber Security Research domain.
- Questioned whether the Professional Elective is compulsory or else choice based. Programme coordinator said that all the Professional elective are Choice Based and a Course with minimum of 15 Students will be offered.

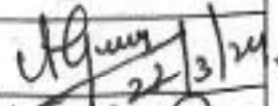
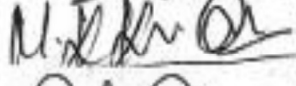
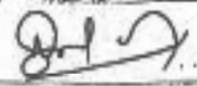
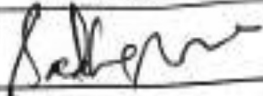
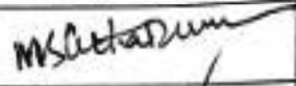
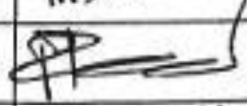
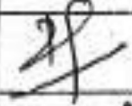
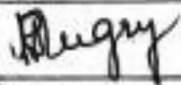
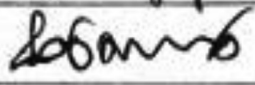
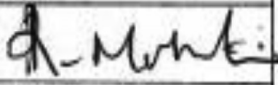
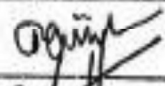
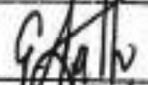
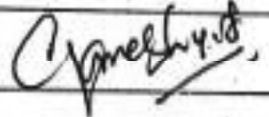
Mr. H. Rajesh Kumar (Delivery Head, VueData Technologies Pvt. Ltd, Chennai - Alumni Representative)

- Suggested that in the Course “20CS2E81 - Cloud Deep Learning and GenAI Solutions”, Combine Generative AI, Cloud & Deep learning rather than saying about separate framework. Also expose on Cloud AI services, so that Students exposure increases.
- He also suggested to include AWS, so that it will make the students practical exposure much closer to Cloud . Programme co-ordinator replied that the suggestion will be incorporated.
- Suggested that CO6 could be revamped for the Course “20CS2E81 - Cloud Deep Learning and GenAI Solutions”.

Snapshots of the 19th BoS Meeting:





S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr.M.K.Kavitha Devi	University Nominee	
3.	Dr. R. Govindarajan	Expert member from Government Organization	
4.	Mr.Keerthi Ram	Expert members - IIT	- AB -
5.	Mr.N.Sadhasivam	Expert from Industry	
6.	Mr. H. Rajesh Kumar	Alumni Representative	H.R.K.
7.	Dr.M.S.Geetha Devasena	Internal Member	
8.	Dr.P.Perumal	Internal Member	
9.	Dr. J. Selvakumar	Internal Member	J. Selvakumar
10.	Dr.R.Anuradha	Internal Member	
11.	Dr. S. Hari Hara Gopalan	Internal Member	- AB -
12.	Dr.R. Kingsy Grace	Internal Member	
13.	Dr.B.Mathivanan	Internal Member	
14.	Dr.P.Mathiyalagan	Internal Member	P. Math
15.	Dr.R.Madhumathi	Internal Member	
16.	Dr.R.Vijayakumar	Internal Member	
17.	Mrs.G.Rathi	Internal Member	
18.	Mrs.S.Elhiin Freeda	Internal Member	
19.	Mrs.P.Sugantha Priyadharshini	Internal Member	
20.	Mr.Y.J.Ganesh	Internal Member	



SRI RAMAKRISHNA ENGINEERING COLLEGE

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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]
VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.



10.11.2023

MINUTES OF THE 18th CSE BOARD OF STUDIES MEETING FOR THE UG M.Tech CSE (5 Year Integrated Programme) HELD ON 10.11.2023 AT 2.15 PM IN ONLINE MODE.

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr.M.K.Kavitha Devi, University Nominee
3. Dr. R. Govindarajan, Expert member from Government Organization (IISc)
4. Mr.Keerthi Ram, Expert member – IIT
5. Mr.N.Sadhasivam, Expert from Industry
6. Mr. H. Rajesh Kumar, Alumni Representative
7. Dr.M.S.Geetha Devasena, Internal Member
8. Dr.P.Perumal, Internal Member
9. Dr. J. Selvakumar, Internal Member
10. Dr.R.Anuradha, Internal Member
11. Dr. S. Hari Hara Gopalan, Internal Member
12. Dr.R. Kingsy Grace, Internal Member
13. Dr.B.Mathivanan, Internal Member
14. Dr.P.Mathiyalagan, Internal Member
15. Dr.R.Madhumathi, Internal Member
16. Dr.R.Vijayakumar, Internal Member
17. Mrs.G.Rathi, Internal Member
18. Mrs.S.Elhiin Freeda, Internal Member
19. Mrs.P.Sugantha Priyadharshini, Internal Member
20. Mr.Y.J.Ganesh, Internal Member

- Prof.Dr.A.GraceSelvarani, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the 18th BoS meeting. Programme Co-ordinator disseminated the Vision, Mission, PO,PSO & PEO of the Department.
- Programme Coordinator presented the PEO & Mission Correlation Matrix and the Members approved it.

ITEM No.1

- It is resolved that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all **M.Tech CSE (5 Year Integrated Programme)** for students admitted in the Academic year 2020.

ITEM No.2

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all **M.Tech CSE (5 Year Integrated Programme)** for students admitted in the Academic year 2021 & onwards.

ITEM No.3

- It is resolved that the syllabi for the following new Professional Elective courses under (Revised) Regulations 2020 be approved and passed.
 - **20CS2E79 - FOUNDATION MODEL FOR GENERATIVE AI**
 - **20CS2E80 - EXTENDED REALITY**

ITEM No.4

- It is resolved that the following new one credit courses will be included under (Revised) Regulations 2020 for **M.Tech CSE (5 Year Integrated Programme)**.

S.No	Course CODE & Title	Industry
1.	20CSI029 - Cloud Management Applications In Salesforce & Veeva Vault	Accenture Technology Solutions
2.	20CSI030 - Digital Transformation For Industrial Automation	TCS, Chennai
3.	20CSI031 - Introduction To Version Control System (VCS)	IQZ Systems, Coimbatore
4.	20CSI032 - Industry perspective of UI / UX Design	Sierra Digital, Coimbatore

ITEM No.5

- It is resolved that the following NPTEL courses are approved for credit transfer during Nov/Dec 2023.
- The following NPTEL courses have been approved as Credit Transfer Online Courses for this Academic Year 2023-2024 ODD semester for II,III students.

S.NO	Course Id	Course Name	SME Name	Institute	Duration	Credits
1	noc23-cs100	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks	3
2	noc23-cs102	Parameterized Algorithms	Prof. Neeldhara Misra Prof. Saket Saurabh	IIT Gandhinagar IMSC	12 Weeks	3
3	noc23-cs106	Social Network Analysis	Prof. Tanmoy Chakraborty	IITD	12 Weeks	3
4	noc23-cs110	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar Prof. Padmavati	IIT Ropar	12 Weeks	3
5	noc23-cs113	Multi-Core Computer Architecture	Prof. John Jose	IITG	8 Weeks + 4 Weeks (New)	3
6	noc23-cs116	Design & Implementation Of Human-Computer Interfaces	Prof. Samit Bhattacharya	IITG	12 Weeks	3
7	noc23-cs117	Introduction To Game Theory And Mechanism Design	Prof. Swaprava Nath	IITB	12 Weeks	3
8	noc23-cs69	Privacy And Security In Online Social Media	Prof. Ponnurangam Kumaraguru	IIITH	12 Weeks	3
9	noc23-cs75	Ethical Hacking	Prof. Indranil Sengupta	IITKGP	12 Weeks	3
10	noc23-cs77	Computer Vision	Prof. Jayanta Mukhopadhyay	IITKGP	12 Weeks	3
11	noc23-cs80	Natural Language Processing	Prof. Pawan Goyal	IITKGP	12 Weeks	3
12	noc23-cs126	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IITH	12 Weeks	3
13	noc23-cs127	Cyber Security and Privacy	Prof. Saji K Mathew	IITM	12 Weeks	3

ITEM No.6

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

ODD SEMESTER				
SEMESTER	NO.OF STUDENTS REGISTERED IN ALL THE SUBJECTS	NO.OF STUDENTS APPEARED IN ALL THE SUBJECTS	NO.OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PERCENTAGE %
II	58	57	43	75.44%
IV	59	59	37	62.71%

Suggestion by Expert Members:

Dr. R. Govindarajan (Professor, IISc, Bangalore - Expert member from Government Organization)

- The Professional Elective Course “20CS2E73 - GENERATIVE AI : FOUNDATIONAL MODELS FOR SCIENTIFIC MACHINE LEARNING” could be renamed as “20CS2E73 GENERATIVE AI or else 20CS2E73 FOUNDATION MODEL FOR GENERATIVE AI”, because the Foundation model & Scientific Machine Learning does not connect.
- The Professional Elective Course “20CS2E78 - ROADMAPING EXTENDED REALITY” could be renamed as “ 20CS2E78 - EXTENDED REALITY” and could be designed as a Theory cum Lab Course.
- Regarding a query about the One Credit Courses, the following were clarified
 - One credit courses are offered by Industry Experts
 - Student has to undergo one mandatory One Credit Course
 - Student can undergo maximum 4 number of One Credit Courses
 - Student can get a waiver of one regular Professional Elective Course during the 7th Semester, if He/She does 3 number of One Credit Courses from Semester 4 to 6.

Mr. H. Rajesh Kumar (Delivery Head, VueData Technologies Pvt. Ltd, Chennai - Alumni Representative)

- **For the Professional Elective Course “ 20CS2E73 - GENERATIVE AI : FOUNDATIONAL MODELS FOR SCIENTIFIC MACHINE LEARNING” minimize the focus on RNN and increase weightage on the foundation model, introduction to RNN, transport model, Top LLM & transformer**

Dr.M.K.Kavitha Devi (Professor, Thiagarajar College of Engineering, Madurai - University Nominee)

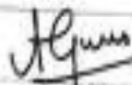
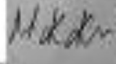
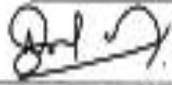
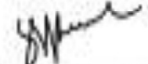
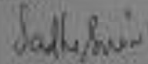
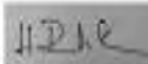
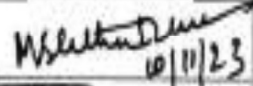
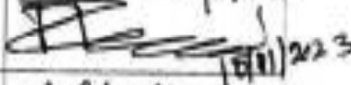
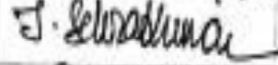
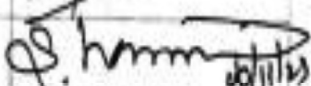
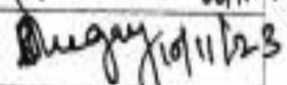
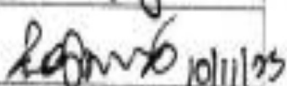
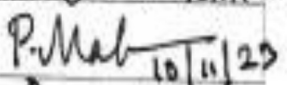
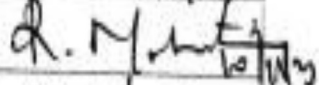
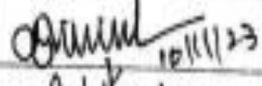
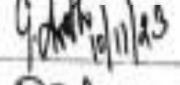
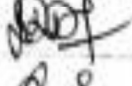
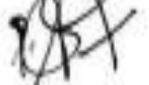
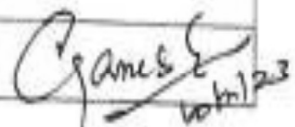
- **Enquired about the Open Electives and the Chair person replied that new Open Electives is not passed in the 18th BoS**

Mr.Keerthi Ram (Computational healthcare group of Healthcare Technology Innovation Centre, IIT Madras - Expert member)

- **Appreciated that “ All are good”**

Mr.N.Sadhasivam (Software Engineer, JP Morgan Chase , Bangalore, Expert from Industry) :

- **Appreciated that “ Its fine ”**

S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	 10/11/23
2.	Dr.M.K.Kavitha Devi	University Nominee	 10/11/23
3.	Dr. R. Govindarajan	Expert member from Government Organization	 10/11/23
4.	Mr.Keerthi Ram	Expert members - IIT	 10/11/23
5.	Mr.N.Sadhasivam	Expert from Industry	 10/11/23
6.	Mr. H. Rajesh Kumar	Alumni Representative	 10/11/23
7.	Dr.M.S.Geetha Devasena	Internal Member	 10/11/23
8.	Dr.P.Perumal	Internal Member	 10/11/23
9.	Dr. J. Selvakumar	Internal Member	 10/11/23
10.	Dr.R.Anuradha	Internal Member	 10/11/23
11.	Dr. S. Hari Hara Gopalan	Internal Member	 10/11/23
12.	Dr.R. Kingsy Grace	Internal Member	 10/11/23
13.	Dr.B.Mathivanan	Internal Member	 10/11/23
14.	Dr.P.Mathiyalagan	Internal Member	 10/11/23
15.	Dr.R.Madhumathi	Internal Member	 10/11/23
16.	Dr.R.Vijayakumar	Internal Member	 10/11/23
17.	Mrs.G.Rathi	Internal Member	 10/11/23
18.	Mrs.S.Elhiin Freeda	Internal Member	 10/11/23
19.	Mrs.P.Sugantha Priyadharshini	Internal Member	 10/11/23
20.	Mr.Y.J.Ganesh	Internal Member	 10/11/23

Snapshots of the 18th BoS meeting on 10.11.2023

Meeting Title: 18th BOS Meeting -CSE

Presenter: Anu Radha (You, presenting)

Slide Content:

To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead.

HEARTY WELCOME TO
Board of Studies Members
18th Bos Meeting

Presented by:
Dr. A. Shree Sathyan,
Professor & Head

People:

- Mute all
- Add people
- Contributors: 22
- Anu Radha (You) Meeting host
- Anu Radha Your presentation
- Divyaprabha P
- Dr M K Kavitha Devi
- Ezhilin Freeda
- Ganesh Joghee

Bottom Bar: 2:35 PM | 18th BOS Meeting -CSE | 14:35 10-11-2023

Meeting Title: 18th BOS Meeting -CSE

Participants in Grid:

- R Govindarajan
- HoD Cse
- Dr M K Kavitha Devi
- sugantha ravee
- Selvakumar Jayakumar
- Sadhasivam Nanjalah
- Keerthi Ram
- 12 others
- Anu Radha

People:

- Mute all
- Add people
- Anu Radha (You) Meeting host
- Dr M K Kavitha Devi
- Ezhilin Freeda
- Ganesh Joghee
- Geetha Devasena M.S.
- HoD Cse Meeting host
- Keerthi Ram

Bottom Bar: 3:13 PM | 18th BOS Meeting -CSE | 15:13 10-11-2023

Meeting Title: 18th BOS Meeting -CSE

Participants in Grid:

- R Govindarajan
- HoD Cse
- Dr M K Kavitha Devi
- sugantha ravee
- Selvakumar Jayakumar
- Sadhasivam Nanjalah
- Keerthi Ram
- 12 others
- Anu Radha

People:

- Mute all
- Add people
- mathi vanan
- Mathiyalagan P
- Perumal Pitchandi
- R Govindarajan
- Rajesh Kumar
- Rathi Gopalakrishnan
- Sadhasivam Nanjalah

Bottom Bar: 3:14 PM | 18th BOS Meeting -CSE | 15:14 10-11-2023



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 CSE BOARD OF STUDIES MEETING FOR THE
M.TECH – CSE (5 YEAR INTEGRATED PROGRAMME) HELD ON 21.04.2023 AT 2.00
PM IN CSE BLOCK, BOARD ROOM.**

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
 2. Dr.M.K.Kavitha Devi, University Nominee
 3. Dr. R. Govindarajan, Expert member from Government Organization (IISc)
 4. Mr.Keerthi Ram, Expert member – IIT
 5. Mr.N.Sadhasivam, Industry Expert
 6. Mr. H. Rajesh Kumar, Alumni Representative
 7. Dr.M.S.Geetha Devasena, Internal Member
 8. Dr.P.Perumal, Internal Member
 9. Dr. J. Selvakumar, Internal Member
 10. Dr.R.Anuradha, Internal Member
 11. Dr. S. Hari Hara Gopalan, Internal Member
 12. Dr.R. Kingsy Grace, Internal Member
 13. Dr.B.Mathivanan, Internal Member
 14. Dr.P.Mathiyalagan, Internal Member
 15. Dr.R.Madhumathi, Internal Member
 16. Dr.R.Vijayakumar, Internal Member
 17. Mrs.G.Rathi, Internal Member
 18. Mrs.M.Karthigha, Internal Member
 19. Mrs.K.Dhanashree, Internal Member
 20. Dr.D.Manjula, Internal Member
- Prof.Dr.A.GraceSelvarani, Chairperson, Board of Studies, chaired the meeting and welcomed all the members to the 17th BoS meeting. Programme Co-ordinator disseminated the Vision, Mission, PO,PSO & PEO of the Department.

- Programme Coordinator presented the PEO & Mission Correlation Matrix and the Members approved it.

ITEM No.1:

- It is resolved that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for first three years and PG Regulations 2022 will be followed during fourth & fifth year for **M.Tech.- CSE (5 Year Integrated Programme)** for Students admitted in the Academic year 2021 & onwards.

ITEM No 2:

- It is resolved that the Curriculum and Syllabi under (Revised) Regulations 2020 be approved for the categories of HS/BS/ES/PC/OE and PE of **M.Tech -CSE (5 Year Integrated Programme)**

ITEM No.3

- It is resolved that the syllabi for the following new Professional Elective courses under (Revised) Regulations 2020 be approved and passed
 - 20CS2E18 Time Series Analysis and Forecasting
 - 20CS2E37 – J2EE and Advanced Java Programming
 - 20CS2E49 - Software Automation Tools

ITEM No.4

- It is resolved that the syllabi for the following new Open Elective courses under (Revised) Regulations 2020 be approved and passed.
 - 20CS2E66 Foundations of AR & VR

ITEM No.5

- It is resolved that the following new one credit courses will be included under (Revised) Regulations 2020 for M.Tech – CSE (5 Year Integrated Programme)

S.No	Course Code & Course Name	Industry Offereing the Course
1	20CSI019 - Gaming 101: Fundamentals and Hands - On Practice	Mr.Mohemmed Fayas Zynga Game Network India, Bengaluru
2	20CSI020 - Data Migration Basics and Methodology	Mr.Tarun Syniti, Bangalore
3	20CSI021- Understanding Cloud and Deployments in Organisations	Mr. Aravind. K. R Trimble Inc., Chennai
4	20CSI022 - Understanding Software Design & Architecture	Mr.Senthilkumar Paulchamy Maersk Global Service Centre Pvt Ltd, Bengaluru
5	20CSI023 - Backend with Node.js	Mr.Sathish Aravind Zetwerk, Bengaluru
6	20CSI024 - Consumer Products and Retail	Mr. Santhosh Naganathan Capgemini, Bengaluru
7	20CSI025 - Industry perspectives of Agile & DevOps	Mr. A. Jeyaraman CTS,Coimbatore
8	20CSI026 - Industry Readiness - Exposure of Tools & Technologies	Mr. Sriram.R Amazon, Chennai
9	20CSI027 - Institute to Industry	Mr.Babu Palanisamy, Mr.Gokul Prasanth Jayaprakash, Mr.Sanjai T Surendran, Robert Bosch, ,Coimbatore
10	20CSI028 - Full Stack, Cloud & IoT	Mr. Kumaravel Capgemini Engineering

ITEM No.6

- It is resolved that the following NPTEL courses are approved for credit transfer during April/may 2023
 - The following NPTEL courses have been approved as Credit Transfer Online Courses for this Academic Year 2022-2023 EVEN semester for II year students

S.NO	NPTEL Course Code	NPTEL Course Title	SME Name	Institute	Duration	Credits
1	noc23-cs03	Foundations of Cryptography	Prof. Ashish Choudhury	IIIT Bangalore	12 Weeks	3
2	noc23-cs04	Quantum Algorithms and Cryptography	Prof. Shweta Agrawal	IITM	12 Weeks	3
3	noc23-cs10	Information Security - 5 - Secure Systems Engineering	Prof. Chester Robeiro	IITM	8 Weeks	2
4	noc23-	Privacy and Security	Prof. Ponnurangam	IIITD	12 Weeks	3

S.NO	NPTEL Course Code	NPTEL Course Title	SME Name	Institute	Duration	Credits
	cs13	in Online Social Media	Kumaraguru			
5	noc23-cs14	AI:Constraint Satisfaction	Prof. Deepak Khemani	IITM	8 Weeks	2
6	noc23-cs23	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks	3
7	noc23-cs24	Deep Learning - IIT Ropar	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks	3
8	noc23-cs28	Introduction to parallel programming with OpenMP and MPI	Prof. Yogish Sabharwal	IITD	8 Weeks	2
9	noc23-cs44	Ethical Hacking	Prof. Indranil Sengupta	IITKGP	12 Weeks	3
10	noc23-cs45	Natural Language Processing	Prof. Pawan Goyal	IITKGP	12 Weeks	3
11	noc23-cs47	Blockchain and its Applications	Prof. Sandip Chakraborty Prof. Shamik Sural	IITKGP	12 Weeks	3
12	noc23-cs56	Deep Learning	Prof. Prabir Kumar Biswas	IITKGP	12 Weeks	3
13	noc23-cs61	GPU Architectures And Programming	Prof. Soumyajit Dey	IITKGP	12 Weeks	3
14	noc23-cs62	Foundations of Cyber Physical Systems	Prof. Soumyajit Dey	IITKGP	12 Weeks	3

ITEM No.7

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

ODD SEMESTER				
SEMESTER	NO.OF STUDENTS REGISTERED IN ALL THE SUBJECTS	NO.OF STUDENTS APPEARED IN ALL THE SUBJECTS	NO.OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PERCENTAGE %
I	-	-	-	-
III	59	58	38	65.52

ITEM No.8

- 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 No.9

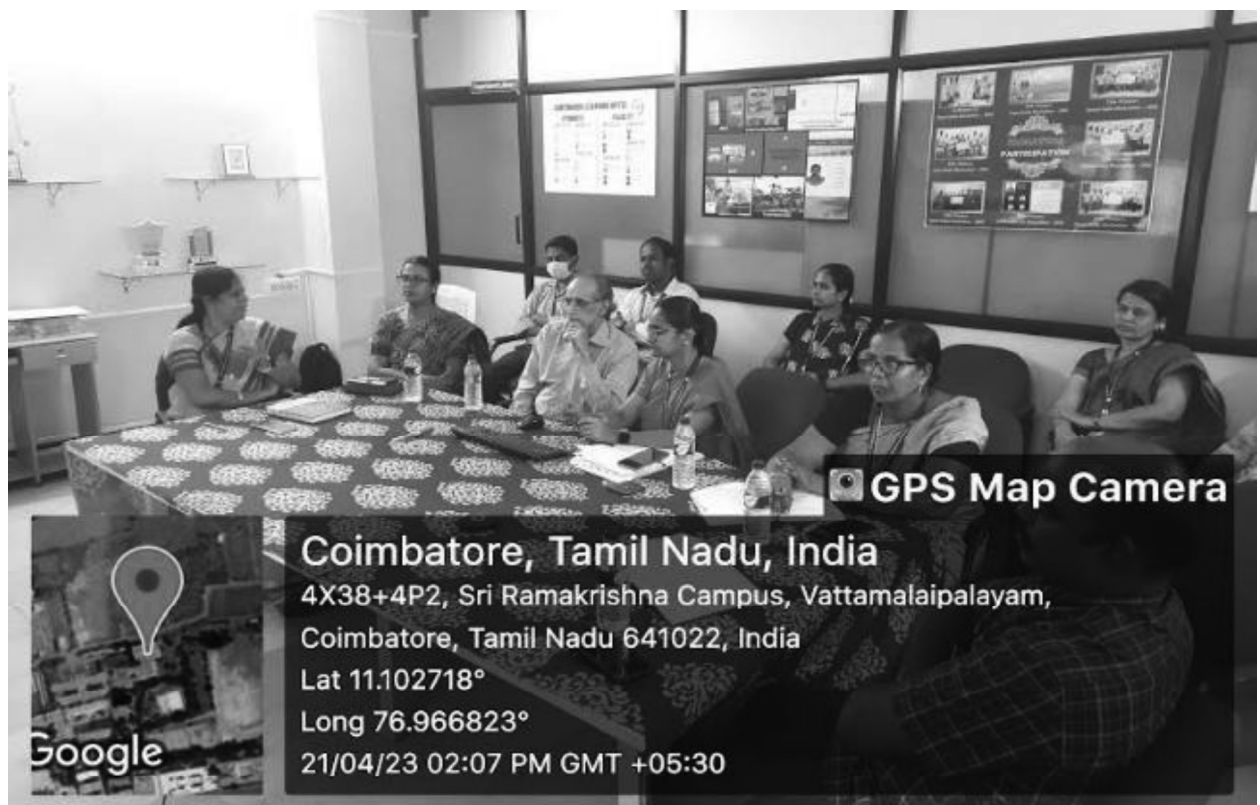
- It is resolved that the following Tamil Courses and its syllabi as recommended by Anna University, Chennai be approved to be included as the Mandatory courses.
 1. Heritage of Tamils
 2. Tamils and Technology

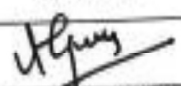
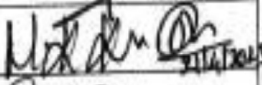
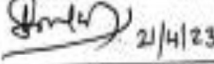
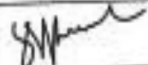
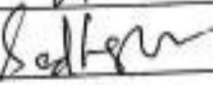
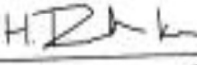
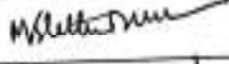
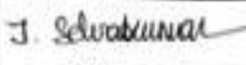
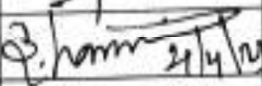
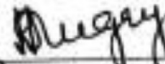
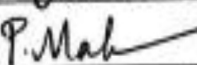
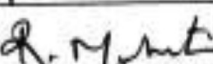
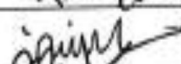
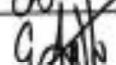
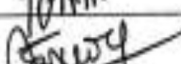
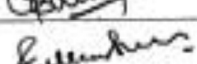
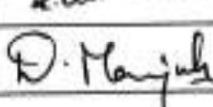
Suggestion by Expert Members:

Dr. R. Govindarajan (Professor, IISc, Bangalore - Expert member from Government Organization) , Dr.M.K.Kavitha Devi (Professor, Thiagarajar College of Engineering, Madurai - University Nominee), Mr. H. Rajesh Kumar (Delivery Head, VueData Technologies Pvt. Ltd, Chennai - Alumni Representative), Mr.N.Sadhasivam (JP Morgan, Industry Expert), Mr.Keerthi Ram (Computational healthcare group of Healthcare Technology Innovation Centre, IIT Madras - Expert member) :

- Dr.M.K.Kavitha Devi suggested that the Open Elective Course titled “**20CS2E66 FOUNDATIONS OF AR/VR**” could be a **Theory cum Lab Course** instead of **Theory Course** alone.
- Dr.Govindarajan asked about the **maximum number of One credit Course** a Student can pursue in his period of Study. Chair person said that maximum limit is not fixed and generally a Student pursues up to 4 One Credit courses in his period of Study.
- Dr.Govindarajan enquired about the **NPTELCourse - Credit transfer** by Students and also mentoring the Students about the importance of online Certification for the courses they study
- Dr.M.K.Kavitha Devi enquired about the **low pass percentage in III Semester** result analysis of Students
- Dr.M.K.Kavitha Devi & Dr.Govindarajan discussed about the **Internship credit transfer**
- Dr.M.K.Kavitha Devi suggested to **get help from sister concern, Sri Ramakrishna Arts & Science College , Tamil department** for the course “**Heritage of Tamils** “, “**Tamils and Technology**”.

- Mr.N.Sadhasivam discussed about the **Cloud Computing** Course to Students
- Mr. H. Rajesh Kumar discussed about the **Artificial Intelligence** course
- Mr.Keerthiram discussed about the **advanced topics of the new three Professional electives**, 20CS2E18 - Time Series Analysis and Forecasting , 20CS2E37 – J2EE and Advanced Java Programming, 20CS2E49 - Software Automation Tools
- The **Members appreciated the efforts of adding recent advanced Industry readiness courses** in to the curriculum



S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr.M.K.Kavitha Devi	University Nominee	
3.	Dr. R. Govindarajan	Expert member from Government Organization	 21/4/23
4.	Mr.Keerthi Ram	Expert members - IIT	
5.	Mr.N.Sadhasivam	Expert from Industry	
6.	Mr. H. Rajesh Kumar	Alumni Representative	
7.	Dr.M.S.Geetha Devasena	Internal Member	
8.	Dr.P.Perumal	Internal Member	
9.	Dr. J. Selvakumar	Internal Member	
10.	Dr.R.Anuradha	Internal Member	
11.	Dr. S. Hari Hara Gopalan	Internal Member	 21/4/23
12.	Dr.R. Kingsy Grace	Internal Member	
13.	Dr.B.Mathivanan	Internal Member	
14.	Dr.P.Mathiyalagan	Internal Member	
15.	Dr.R.Madhumathi	Internal Member	
16.	Dr.R.Vijayakumar	Internal Member	
17.	Mrs.G.Rathi	Internal Member	
18.	Mrs.M.Karthigha	Internal Member	
19.	Mrs.K.Dhanashree	Internal Member	
20.	Dr.D.Manjula	Internal Member	



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**MINUTES OF THE 16th CSE BOARD OF STUDIES MEETING FOR THE
M.Tech – CSE (5 Year Integrated Programme) HELD ON 26.11.2022 AT 2.00 PM IN
ONLINE MODE THROUGH WEBEX PLATFORM**

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr.M.K.Kavitha Devi, University Nominee
3. Dr. R. Govindarajan, Expert member from Government Organization (IISc)
4. Mr.Keerthi Ram, Expert member – IIT
5. Mr. H. Rajesh Kumar, Alumni Representative
6. Dr.M.S.Geetha Devasena, Internal Member
7. Dr.P.Perumal, Internal Member
8. Dr. J. Selvakumar, Internal Member
9. Dr.R.Anuradha, Internal Member
10. Dr. S. Hari Hara Gopalan, Internal Member
11. Dr.R. Kingsy Grace, Internal Member
12. Dr.B.Mathivanan, Internal Member
13. Dr.P.Mathiyalagan, Internal Member
14. Dr.R.Madhumathi, Internal Member
15. Dr.R.Vijayakumar, Internal Member
16. Mrs.G.Rathi, Internal Member
17. Mrs.M.Karthiga, Internal Member
18. Mrs.K.Dhanashree, Internal Member
19. Mr.Y.J.Ganesh, Internal Member

Prof.Dr.A.GraceSelvarani, Chairperson,Board of Studies, chaired the meeting and welcomed all the members to the 16th BoS meeting.

ITEM No.1:

- It is resolved that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for first three years and PG Regulations 2020 will be followed during fourth & fifth year for M.Tech.- CSE (5 Year Integrated Programme)students admitted in the Academic year 2020.

ITEM No.2

- It is resolved that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for first three years and PG Regulations 2020 will be followed during fourth & fifth year for M.Tech.- CSE (5 Year Integrated Programme) students admitted in the Academic year 2021 & onwards.

ITEM No.3

- It is resolved that the syllabi for the following new Professional Elective courses under Regulations 2020 be approved and passed.
 - 20CS2E09 - Explainable AI
 - 20CS2E29 - IoT and Cloud Security Framework
 - 20CS2E57 - Metaverse

ITEM No.4

- It is resolved that the following new one credit courses will be included under Regulations 2020 for M..Tech – CSE (5 Year Integrated Programme).
 - 20CSI010 Programming – A Transition from College to Industry
 - 20CSI011 Block Chain Technologies -
 - 20CSI012 Agile – Dev Ops methodology
 - 20CSI013 Cloud Migration Strategies with Design Patterns & Architecture
 - 20CSI014 Cyber Security
 - 20CSI015 Full Stack Development with Micro Services
 - 20CSI016 Building Applications in the Cloud
 - 20CSI017 Artificial Intelligence – Disrupting and transforming Industries

ITEM No.5

- It is resolved that the following NPTEL courses are approved for credit transfer during December 2022

- The following NPTEL courses have been approved as Credit Transfer Online Courses for this Academic Year 2022-2023 ODD semester for II, III students.

S.NO	Course Name	Resource Person	Institute	Duration
1	Software Testing	Prof. Meenakshi D'souza	IITB	12 Weeks
2	Theory of Computation	Prof. Raghunath Tewari	IITK	8 Weeks
3	Big Data Computing	Prof. Rajiv Misra	IIT Patna	8 Weeks
4	Python for Data Science	Prof. Ragunathan Rengasamy	IITM	4 Weeks
5	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks
6	Deep Learning for Computer Vision	Prof. Vineeth N Balasubramanian	IITH	12 Weeks
7	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Raghunathan	IBM and IITM	4 Weeks
8	Computer Vision	Prof. Jayanta Mukhopadhyay	IITKGP	12 Weeks
9	Cryptography And Network Security	Prof. Sourav Mukhopadhyay	IITKGP	12 Weeks
10	Embedded System Design With ARM	Prof. Indranil Sengupta Prof. Kamalika Datta	IITKGP	8 Weeks
11	Natural Language Processing	Prof. Pawan Goyal	IITKGP	12 Weeks
12	Real-Time Systems	Prof. Rajib Mall Prof. Durga Prasad Mohapatra	IITKGP	12 Weeks
13	Multi-Core Computer Architecture - Storage and Interconnects	Prof. John Jose	IITG	8 weeks
14	Algorithmic Game Theory	Prof. Palash Dey	IITKGP	12 Weeks
15	Deep Learning - IIT Ropar	Prof. Mitesh M. Khapra Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks
16	Design & Implementation of Human-Computer Interfaces	Prof. Samit Bhattacharya	IITG	12 Weeks

ITEM No.6

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

ODD SEMESTER				
SEMESTER	NO.OF STUDENTS REGISTERED IN ALL THE SUBJECTS	NO.OF STUDENTS APPEARED IN ALL THE SUBJECTS	NO.OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PERCENT AGE %
I	59	59	51	86.44
EVEN SEMESTER				
SEMESTER	NO.OF STUDENTS REGISTERED IN ALL THE SUBJECTS	NO.OF STUDENTS APPEARED IN ALL THE SUBJECTS	NO.OF STUDENTS PASSED IN ALL SUBJECTS	OVERALL PERCENT AGE %
II	59	59	41	69.49

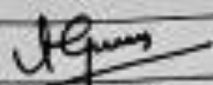
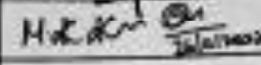
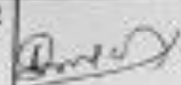
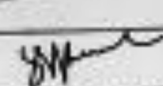
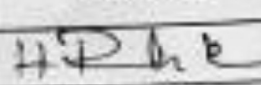
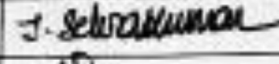
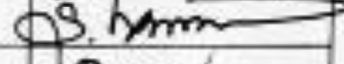
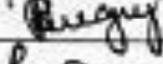
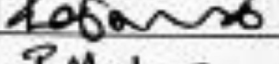
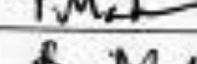
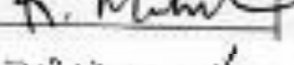
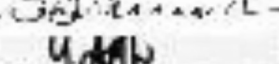
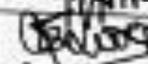
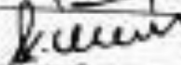
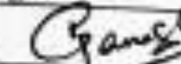
ITEM No.7

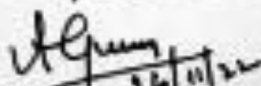
- It is resolved that the Revised Uniform Evaluation Method of Students based on Relative Grading, as per the communications received from Anna University, Chennai (**Letter No. 5883/AU/CAC/Rel.Grading/2022 dated : 26.09.2022**) be approved and passed.

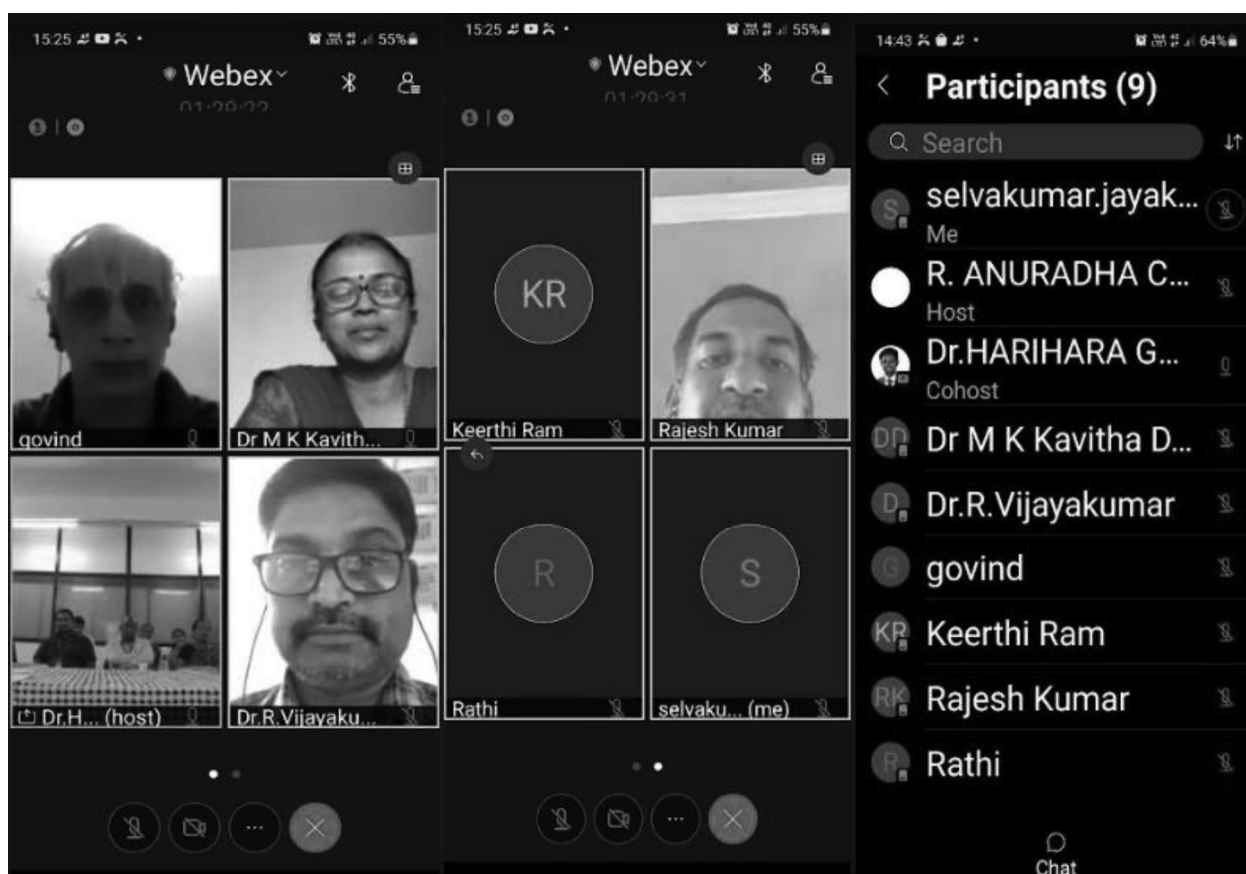
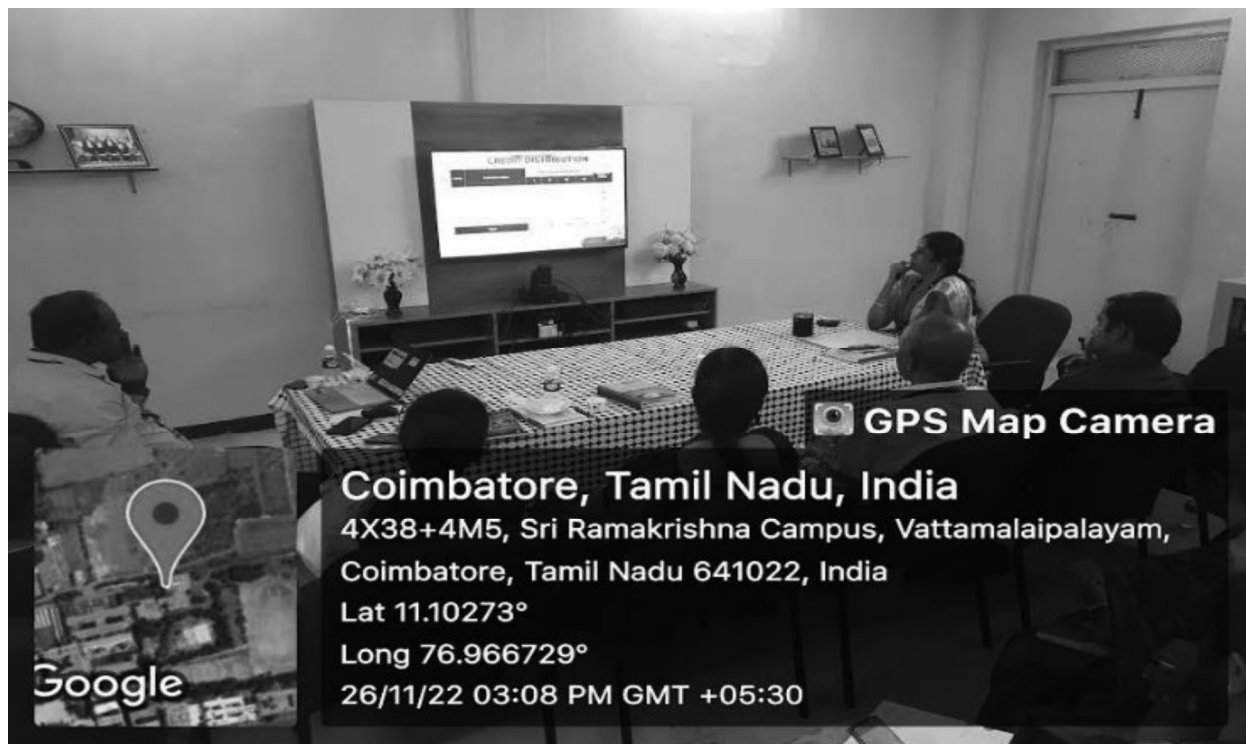
Assessment Weightage			
S. No	Component	CIA	End Sem
1	Theory	40	60
2	Laboratory	60	40
3	Theory cum Laboratory	50	50

Suggestion by Expert Members Dr. R. Govindarajan (Professor, IISc, Bangalore - Expert member from Government Organization) , Dr.M.K.Kavitha Devi (Professor, Thiagarajar College of Engineering, Madurai - University Nominee), Mr. H. Rajesh Kumar (Delivery Head, VueData Technologies Pvt. Ltd, Chennai - Alumni Representative), Mr.Keerthi Ram (Computational healthcare group of Healthcare Technology Innovation Centre, IIT Madras - Expert member) :

- The External Members appreciated the following New Electives under Regulations 2020
 - 20CS2E09 - Explainable AI
 - 20CS2E29 - IoT and Cloud Security Framework
 - 20CS2E57 - Metaverse
- **Dr.R.Govindarajan & Dr.M.K.Kavitha Devi** enquired about the Industry offered one credit Courses and also about the Evaluation pattern of it. The Chair person said it's mandatory for all Students to have minimum one number of one credit course and if a Students successfully completes three number of one credit Courses, then the Student will be eligible for a credit transfer of one Professional Elective during his VII Semester. The evaluation of this one credit course is done by the Industry expert as per his plan either in the form of a Quiz, MCQ, Assignments etc...
- **Dr.R.Govindarajan & Dr.M.K.Kavitha Devi** enquired about the NPTEL Courses for the credit transfer. Chair Person said that the Student who scores above 8CGPA is eligible for NPTEL credit transfer.
- **Dr.R.Govindarajan & Dr.M.K.Kavitha Devi** enquired about the revised Uniform evaluation method and Chair person said it's followed as per Anna University Guidelines.
- **Dr.R.Govindarajan** enquired whether it's a dual degree for M.Tech (CSE – 5 Year Integrated Programme) , The chair person said it is followed as per the AICTE Guidelines as a integrated Programme.

S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr.M.K.Kavitha Devi	University Nominee	
3.	Dr. R. Govindarajan	Expert member from Government Organization	
4.	Mr.Keerthi Ram	Expert members - IIT	
5.	Mr.N.Sadhasivam	Expert from Industry	ABSENT
6.	Mr. H. Rajesh Kumar	Alumni Representative	
7.	Dr.M.S.Geetha Devasena	Internal Member	
8.	Dr.P.Perumal	Internal Member	
9.	Dr.J.Selvakumar	Internal Member	
10.	Dr.R.Anuradha	Internal Member	
11.	Dr. S. Hari Hara Gopalan	Internal Member	
12.	Dr.R. Kingsy Grace	Internal Member	
13.	Dr.B.Mathivanan	Internal Member	
14.	Dr.P.Mathiyalagan	Internal Member	
15.	Dr.R.Madhumathi	Internal Member	
16.	Dr.R.Vijayakumar	Internal Member	
17.	Mrs.G.Rathi	Internal Member	
18.	Mrs.M.Karthiga	Internal Member	
19.	Mrs.K.Dhanashree	Internal Member	
20.	Mr.Y.J.Ganesh	Internal Member	


CHAIRPERSON
BOARD OF STUDIES
Department of CSE





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 CSE BOARD OF STUDIES MEETING FOR THE M.TECH (CSE) PROGRAMME HELD ON 26.02.2022 AT 10.30 AM IN OFFLINE AND ONLINE MODE THROUGH WEBEX PLATFORM

The following members attended the above meeting.

1. Dr.A.Grace Selvarani, Chairperson
2. Dr.M.K.Kavitha Devi, University Nominee
3. Dr. R. Govindarajan, Expert member from Government Organization (IISc)
4. Mr.Keerthi Ram, Expert member – IIT
5. Mr.N.Sadhasivam, Expert from Industry
6. Mr. H. Rajesh Kumar, Alumni Representative
7. Dr.M.S.Geetha Devasena, Internal Member
8. Dr.P.Perumal, Internal Member
9. Dr. J. Selvakumar, Internal Member
10. Dr.R.Anuradha, Internal Member
11. Dr. S. Hari Hara Gopalan, Internal Member
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13. Dr.B.Mathivanan, Internal Member
14. Dr.P.Mathiyalagan, Internal Member
15. Dr.R.Madhumathi, Internal Member
16. Dr. R. Kanagaraj, Internal Member
17. Dr.R.Vijayakumar, Internal Member
18. Dr. Guhan, Internal Member
19. Mrs. M. Karthigha, Internal Member
20. Mr.Y.J.Ganesh, Internal Member

Prof.Dr.A.GraceSelvarani, 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 No.1:

- It is resolved that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for first three years and PG Regulations 2020 will be followed during fourth & fifth year for M.Tech.- CSE students admitted in the Academic year 2021 & onwards.

ITEM No 2:

- It is resolved that the Curriculum and Syllabi under Regulations 2020 be approved for the categories of HS/BS/ES/PC/OE and PE of **M.Tech -Computer Science & Engineering (Five Year Integrated Programme)**

S.NO	CATEGORY	CREDITS
1.	Humanities and Social Sciences including Management (HS)	16
2.	Basic Science (BS)	28
3.	Engineering Science (ES)	28
4.	Professional Core (PC)	68
5.	Professional Electives (PE)	30
6.	Open Electives (OE)	12
7.	Employability Enhancement Courses (EE)	23
Total Credits		205

HUMANITIES AND SOCIAL SCIENCES

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20HS270	Preliminary Business English	2	-	2	3	I
2.	20HS201/ 20HS202/ 20HS203/ 20HS204	Advanced Business English / Technical Writing / Basic German / Basic Japanese	3	-	-	3	II
3.	20CS203	Liberal Arts - Sociology of Digital Media	1	-	-	1	II
4.	20CS231	Entrepreneurship Development And Business Management	3	-	-	3	VI
5.		Digital Sociology	3	-	-	3	VI

6.	20CS233	Workplace Professionalism And Human Values	3	-	-	3	IV
Total Credits						16	

BASIC SCIENCES

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20MA203	Linear Algebra and Differential Calculus	3	1	-	4	I
2.	20BS201	Physical Sciences	4	-	-	4	I
3.	20BM205	Life Science	2	-	-	2	I
4.	20IT2I01	Design Thinking	1	-	-	1	I
5.	20BS270	Basic Science Laboratory	-	-	2	1	I
6.	20EI271	Simulation Laboratory	-	-	2	1	I
7.	20MA206	Transforms and its Applications	2	1	-	3	II
8.	20PH209/ 20PH210/ 20CH209	Nano and Quantum Physics/ Essentials of Quantum Physics/ Chemistry of Advanced Materials	3	-	-	3	II
9.	20MA214	Discrete Structures and Combinatorics	2	1	-	3	III
10.	20MA215/ 20MA216	Probability and Statistics/ Probability and Queuing Theory	2	1	-	3	IV
11.	20XXXX	Graph Theory	2	1	-	3	V
Total Credits						28	

ENGINEERING SCIENCES

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20CS201	Disruptive Technologies	2	-	-	2	I
2.	20ME272	Computer Aided Engineering Graphics Lab	-	-	4	2	I
3.	20CS271	Computer Hardware and Software Lab	-	-	2	1	I

4.	20EI202	Sensor and its Applications	2	-	-	2	II
5.	20CS202	Programming Paradigms – I	2	1	-	3	II
6.	20CS272	Programming Paradigms – I Laboratory	-	-	2	1	II
7.	20EE262	Basics of Electrical & Electronics Engineering	2	-	2	3	II
8.	20EC251	Digital Logic Circuits	2	-	2	3	IV
9.	20CS204	Programming Paradigms – II	3	-	-	3	III
10.	20CS273	Programming Paradigms – II Laboratory	-	-	2	1	III
11.	20CS210	Programming Paradigms – III	3	-	-	3	IV
12.	20CS278	Programming Paradigms – III Laboratory	-	-	2	1	IV
13.	20EC252	Microcontrollers and Programming	2	-	2	3	V
Total Credits						28	

PROFESSIONAL CORE

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20CS251	Mobile Application Development	1	-	2	2	II
2.	20CS205	Algorithms and Complexity – I	3	-	-	3	III
3.	20CS274	Algorithms and Complexity – I Laboratory	-	-	2	1	III
4.	20IT204	Computer Organization and Architecture	3	-	-	3	III
5.	20CS207	Operating Systems	3	-	-	3	III

6.	20CS275	Operating Systems Laboratory	-	-	2	1	III
7.	20IT206	Database Management Systems	3	-	-	3	III
8.	20CS276	Database Management Systems Laboratory	-	-	2	1	III
9.	20CS208	Intelligent Agent	2	-	-	2	III
10.	20CS211	Algorithms and Complexity – II	3	-	-	3	IV
11.	20CS277	Algorithms and Complexity – II Laboratory	-	-	2	1	IV
12.	20CS252	Computer Networks	2	-	2	3	IV
13.	20CS253	Foundations of Machine Learning	2	-	2	3	IV
14.	20CS254	Foundations of Data Science	2	-	2	3	IV
15.	20CS212	Web Technologies	3	-	-	3	V
16.	20CS279	Web Technologies Laboratory	-	-	2	1	V
17.	20CS213	Software Development Process	3	-	-	3	V
18.	20CS280	Software Development Process Laboratory	-	-	2	1	V
19.	20EC211	Embedded Systems and Internet Of Things	3	-	-	3	VI
20.	20EC276	Embedded Systems and IoT Laboratory	-	-	2	1	VI
21.	20CS214	Automata and Compiler Design	3	-	-	3	V
22.	20CS255	Security in Engineering	2	-	2	3	V
23.	20CS215	Cloud Computing	3	-	-	3	VI
24.	20CS281	Cloud Computing Laboratory	-	-	2	1	VI
25.	20CS256	Computer Vision	2	-	2	2	VIII

26.	20CS257	High Performance Computing	2	-	2	3	VI
27.	20CS258	Quantum Computing	2	-	2	3	VIII
28.	20CS259	Foundations of Block Chain Technology	2	-	2	3	VIII
29.	20XXX	Research Methodology and IPR	2	-	-	2	VIII
Total Credits						67	

EMPLOYABILITY ENHANCEMENT COURSES (EEC)

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20CSXXX	One Credit Course – Industry Offered	-	-	-	1	III – V
2.	20CS101	Mini Project - I	-	-	4	2	IV
3.	20CS102	Mini Project - II	-	-	4	2	VI
4.	20CSXXX	Internship/Startup/Entrepreneurship	-	-	-	2	VI-IX
5.	20CS103	Project Work-I	-	-	-	8	VII
6.	20CS104	Project Work-II	-	-	-	8	X
Total Credits						23	

PROFESSIONAL ELECTIVE COURSES

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20CSIXXX	Professional Elective - I	3	-	-	3	V
2.	20CSXXX	Professional Elective – II	3	-	-	3	VI
3.	20CSXXX	Professional Elective – III	3	-	-	3	VI
4.	20CSXXX	Professional Elective – IV	3	-	-	3	VIII

5.	20CSXXX	Professional Elective – V	3	-	-	3	VIII
6.	20CSXXX	Professional Elective – VI	3	-	-	3	VIII
7.	20CSXXX	Professional Elective – VII	3	-	-	3	IX
8.	20CSXXX	Professional Elective – VIII	3	-	-	3	IX
9.	20CSXXX	Professional Elective – IX	3	-	-	3	IX
10.	20CSXXX	Professional Elective – X	3	-	-	3	IX
Total Credits						30	

PROFESSIONAL ELECTIVE COURSES - ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

S. No.	Course Code	Course Title	L	T	P	C
1.	20CS2E01	Reinforcement Learning	3	-	-	3
2.	20CS2E02	Natural Language Processing	3	-	-	3
3.	20CS2E03	Brain Computer Interface	2	-	2	3
4.	20CS2E04	AI Tools and Framework	2	-	2	3
5.	20CS2E05	Deep Learning	2	-	2	3
6.	20CS2E06	Robotic Process Automation	2	-	2	3
7.	20CS2E07	Deep Learning for Computer Vision	2	-	2	3
8.	20CS2E08	Intelligent Autonomous Vehicle	3	-	-	3

PROFESSIONAL ELECTIVE COURSES - DATA SCIENCE

S. No.	Course Code	Course Title	L	T	P	C
1.	20CS2E11	Big Data Technologies	2	-	2	3

2.	20CS2E12	Database Security	3	-	-	3
3.	20CS2E13	Optimization for Data Science	3	-	-	3
4.	20CS2E14	Data Science using R	2	-	2	3
5.	20CS2E15	Business Analytics	2	-	2	3
6.	20CS2E16	Text Mining and Sentiment Analysis	2	-	2	3
7.	20CS2E17	Data Analysis and Visualization	2	-	2	3

PROFESSIONAL ELECTIVE COURSES - CYBER SECURITY

S. No.	Course Code	Course Title	L	T	P	C
1.	20CS2E21	Information Security Audit & Monitoring	3	-	-	3
2.	20CS2E22	Digital Forensics	3	-	-	3
3.	20CS2E23	Cyber Physical Systems	3	-	-	3
4.	20CS2E24	Mobile Communication and Security	3	-	-	3
5.	20CS2E25	Network and Information Security	3	-	-	3
6.	20CS2E26	Applied Cryptography	3	-	-	3
7.	20CS2E27	Foundations of Ethical Hacking	2	-	2	3
8.	20CS2E28	Ethical Hacking - Advanced	2	-	2	3

PROFESSIONAL ELECTIVE COURSES - AR/VR STREAMS

S. No.	Course Code	Course Title	L	T	P	C
1.	20CS2E51	Virtual Reality/Augmented Reality	3	-	-	3

2.	20CS2E52	Foundations of Human Computer Interaction	3	-	-	3
3.	20CS2E53	Multimedia Techniques	3	-	-	3
4.	20CS2E54	Web Design and Development	3	-	-	3
5.	20CS2E55	3D Character Modeling and Animation	2	-	2	3
6.	20CS2E56	AR & VR Tools	2	-	2	3

PROFESSIONAL ELECTIVE COURSES - PROGRAMMING STREAMS

S. No.	Course Code	Course Title	L	T	P	C
1.	20CS2E31	Advanced Java Programming	2	-	2	3
2.	20CS2E32	Mean Stack Development	2	-	2	3
3.	20CS2E33	Functional Programming using Haskell	2	-	2	3
4.	20CS2E34	Linux Kernel and Shell Programming	2	-	2	3
5.	20CS2E35	Shell Scripting using Ruby on Rails	2	-	2	3
6.	20CS2E36	Progressive Web App	2	-	2	3

PROFESSIONAL ELECTIVE COURSES - SOFTWARE ENGINEERING STREAMS

S. No.	Course Code	Course Title	L	T	P	C
1.	20CS2E41	Software Project Management	3	-	-	3
2.	20CS2E42	Software Quality Assurance	3	-	-	3
3.	20CS2E43	Service Oriented Architecture	3	-	-	3
4.	20CS2E44	Software Agents	3	-	-	3

5.	20CS2E45	UI/UX	2	-	2	3
6.	20CS2E46	Dev Ops	2	-	2	3
7.	20CS2E47	Agile Software Process	2	-	2	3
8.	20CS2E48	Software Testing	2	-	2	3

OPEN ELECTIVE COURSES

S. No.	Course Code	Course Title	L	T	P	C	SEM
1.	20CSIXXX	Open Elective - I	3	-	-	3	III
2.	20CSXXX	Open Elective – II	3	-	-	3	IV
3.	20CSXXX	Open Elective – III	3	-	-	3	V
4.	20CSXXX	Open Elective - IV	3	-	-	3	VI
Total Credits						12	

ITEM No 3:

- The following decisions are taken as one time measure due to the COVID Pandemic.
 - Classes to be handled online with 5 sessions per day.
 - End semester examination to be conducted online.

Suggestion by Expert Members on Regulations, Curriculum, various courses and Electives.

Suggestions of Dr. R. Govindarajan, Professor, IISc, Bangalore - Expert member from Government Organization:

- Inquired about the less credit during seventh semester. Chair person conveyed that it is for the Student's convenience to take up their Projects as interns from Industry. The Professional Elective Courses are to be chosen from utmost two specialization groups. It is

suggested to make one specialization mandatory and allow the Students to choose from various disciplines for their knowledge across broad areas.

Suggestions of Dr.M.K.Kavitha Devi, Professor, Thiagarajar College of Engineering, Madurai - University Nominee

- Discussed about the regulations followed for M.Tech CSE. Suggested to clearly state the Regulations to be followed from UG regulation 2018 for first three years and PG Regulation 2020 for fourth and fifth year or to frame it as a separate regulation for M.Tech for Students clarity.

Suggestions of Mr.Keerthi Ram, Computational healthcare group of Healthcare Technology Innovation Centre, IIT Madras - Expert member

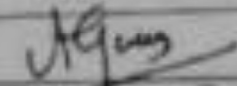
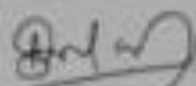
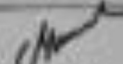
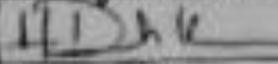
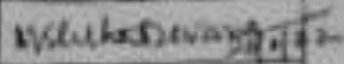
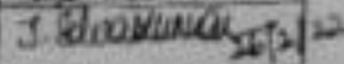
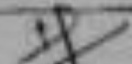
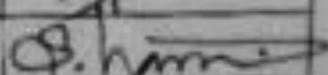
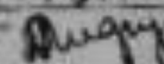
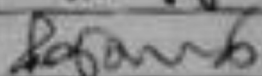
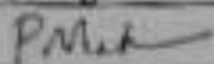
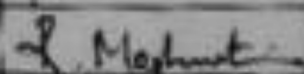
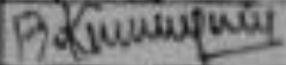
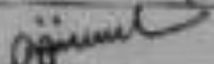
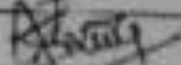
- Appreciated the Curriculum and Syllabi
- Appreciated for offering more Professional Elective Courses to Students
- Inquired whether basic Mathematics like Statistics are taken as pre-requisite for Intelligent agent as it is offered in 3rd semester. Chair person conveyed that its basic Mathematics, Discrete Structures is offered in parallel to Intelligent agent during 3rd semester

Suggestions of Mr.N.Sadhasivam, JP Morgan Chase, Bangalore - Expert from Industry

- Appreciated the Curriculum and Syllabi
- Suggested to offer more industry oriented courses to bridge the gap between the Academia and Industry

Suggestions of Mr. H. Rajesh Kumar, Buzz Tech Training Institute, Coimbatore- Alumni Representative

- Suggested to add applications of core courses like Data Structures as One Credit Course
- Appreciated about the Curriculum structure.
- Suggested to offer more Industry oriented Courses to bridge the gap between the Academia and Industry.

S.No	Name of the Member	Designation	Signature
1.	Dr.A.Grace Selvarani	Chairperson	
2.	Dr.M.K.Kavitha Devi	University Nominee	
3.	Dr. R. Govindarajan	Expert member from Government Organization	
4.	Mr.Keerthi Ram	Expert members - IIT	
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