ANNEXURE – I
K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637 215.
(Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF CIVIL ENGINEERING

MEMBERS OF BOARD OF STUDIES (BOS) MEETING – 29

(Period: December 2025)

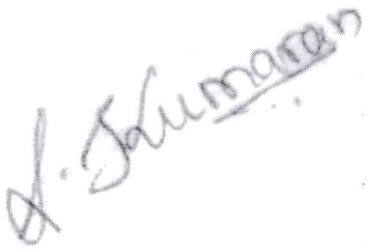
Date : 20.06.2025 **Time: 10.00 PM**

Venue : Civil HoD Office, Pratham Block (Hybrid mode)

Meeting link :

https://teams.live.com/dl/launcher/launcher.html?url=%2F_%23%2Fmeet%2F9319254565119%3Fp%3DLkNYQfXDewVKmFzTYG%26anon%3Dtrue&type=meet&deeplinkId=c84529be-d831-45b5-aa19-354817b3f7a1&directDl=true&msLaunch=true&enableMobilePage=true&suppressPrompt=true

Virtual Attendance

Department	Civil Engineering (UG & PG)		
Programme & Duration	B.E. (Civil Engineering), 4 years, M.E.(Structural Engineering), 2 years		
Sl.No.	Name, Designation & Address	Position	Signature
1.	Dr. Ibrahim Bathusha M Professor (CAS) Department of Civil Engineering, PSG College of Technology, Coimbatore, Tamilnadu, India.	University Nominee	
4.	Mr. S. Lokesh Kumar Territory Manager Technical, Customer Solutions, UltraTech Cement Limited, Chennai.	Industry Expert	
5.	Mr. S. Kumaran Senior Engineering Manager, Larsen & Toubro, Chennai.	Meritorious Alumni	

ANNEXURE – I

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637 215.

DEPARTMENT OF CIVIL ENGINEERING

BOARD OF STUDIES MEETING

Meeting No	29
Date and Time	20.12.2025, 10.00 a.m.
Venue	HoD Cabin, K.S. Rangasamy College of Technology, Tiruchengode – 637 215.

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Signature
1.	Dr.P.Mageshkumar	Chairman	Associate Professor & Head Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
2.	Dr. Ibrahim Bathusha M	University Nominee	Professor (CAS) Department of Civil Engineering, PSG College of Technology, Coimbatore, Tamilnadu, India.	Attended Through Online
3.	Dr.V.Satheeskumar	Subject Expert	Associate Professor, Department of Civil Engineering, Government College of Technology, Thadagam Road, Coimbatore,Tamil Nadu - 641 013	
4.	Dr.G.Arun Kumar	Subject Expert	Associate Professor, Department of Civil Engineering, Government College of Engineering, Salem Tamil Nadu-636 011	
5.	Mr. S. Lokesh Kumar	Industry Expert	Territory Manager Technical, Customer Solutions, UltraTech Cement Limited, Chennai.	Attended Through Online
6.	Mr. S. Kumaran	Meritorious Alumni	Senior Engineering Manager, Larsen & Toubro, Chennai.	Attended Through Online
7.	Dr.G.Vennila	Member	Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
8.	Dr.N.Ramesh	Member	Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	

S. No	Name	Designation as per UGC	Designation / Affiliation with full contact details	Signature
9.	Dr.S.Ramesh	Member	Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
10.	Dr.J.Abdul Bari	Member	Associate Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
11.	Dr.R.Jagadeesan	Member	Assistant Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
12.	Dr.M.Velumani	Member	Assistant Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
13.	Dr.S.Gunasekar	Member	Assistant Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
14.	Dr.K.Yuvaraj	Member	Assistant Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
15.	Dr.K.Vijaya Sundravel	Member	Assistant Professor Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
16.	Prof. K. Tamilarasu	Member	Assistant Professor Department of Chemistry K.S.Rangasamy College of Technology,Tiruchengode-637215	
17.	Dr. A. Palaniappan	Member	Professor Department of English K.S.Rangasamy College of Technology,Tiruchengode-637215	

18.	Ms. S.Suja	Student Member	IV Year Civil Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
19.	Mr.T.Daniel	Student Member	IV Year Civil Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
20.	Ms.M.Kaviya	Student Member	III Year Civil Department of Civil Engineering K.S.Rangasamy College of Technology,Tiruchengode-637215	
21.	Mrs. R.Soumya	Student Member	II Year M.E. Structural Engineering Department of Civil Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
22.	Mrs. V.Kiruthika	Parent of S.Shermi (2303737710322029)	Head master Bharathi Vidya Bhavan Matriculation Higher Secondary School-Erode	
23.	Mrs. G.Kalaiselvi	Parent of R.K.Aswin (73772216105)	Assistant Professor Anjalai Ammal Mahalingam Engineering college, Kovilvenni, Thiruvarur	

20/12/25

CHAIRMAN
(Board of Studies)

CHAIRMAN
Board of Studies
Faculty of Civil Engineering
K.S.Rangasamy College of Technology
TIRUCHENGODE - 637 215.

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Civil Engineering

BoS Meeting No: 29				Date: 20.12.2025	Venue:	Civil HOD Cabin	
S.No	**Agenda**	**Name & Nominee**	**Discussion/Suggestion**	**Action to be taken**	**Responsibility**	**Target**	**Remarks**
1	**Curriculum of UG Programme– R2026**	Dr. Ibrahim Bathusha M University Nominee	Suggested to move **BIM Laboratory** as a core practical course from 4th Semester to 6th Semester	Based on the recommendation, the **"BIM Laboratory"** course has been changed as a core practical course from 4th Semester to 6th Semester	Module Coordinator	Immediate	Submitted to Academic Council for Approval
			Suggested to change **Water Supply Engineering** from a **Theory-cum-Laboratory** course to a **Theory-only** course.	As per the suggestion, the **" Water Supply Engineering "** course has been changed from a **Theory-cum-Laboratory** course to a **Theory-only** course.	Module Coordinator	Immediate	
			Suggested to change the **"Wastewater Engineering"** course, as theory cum practical course.	Based on the suggestion, the **"Wastewater Engineering"** course has been changed to a **Theory-cum-Practical** course.	Module Coordinator	Immediate	
			Suggested to offer "**Modern Construction Materials**" in place of "**Tall Structures**" under **Professional Elective V**.	**Based on the recommendation "Modern Construction Materials"** has been introduced in place of **"Tall Structures"** under **Professional Elective V**.	Module Coordinator	Immediate	
		Dr.V.Satheeskumar Subject Expert	Suggested to include the Water Tank Pipe Flow Measurement topic in Module III in **60 CE 302 - Fluid Mechanics and Hydraulics Machinery.**	Based on the suggestion, the Water Tank Pipe Flow Measurement topic has been included in Module III of **61 CE 302 – Fluid Mechanics and Hydraulics Machinery.**	Module Coordinator	Immediate	
			Suggested to ensure that "**Advanced Environmental Engineering"** is offered only after "**Water Supply Engineering"** and "**Wastewater Engineering"** to maintain and conceptual continuity.	The recommendation to offer "**Advanced Environmental Engineering**" after "Water Supply Engineering" and "Wastewater	Module Coordinator	Immediate	

				Engineering" has been implemented.			
	Curriculum of UG Programme– R2026		Suggested to change "Water Supply Engineering" from a Theory-cum-Laboratory course to a Theory-only course.	Based on the suggestion, the "Water Supply Engineering" course has been changed from a Theory-cum-Laboratory course to a Theory-only course.	Module Coordinator	Immediate	
			Suggested to include the DGPS Surveying topic in Module V in 60 CE 303 - Surveying	The recommendation to include the DGPS Surveying topic in 61 CE 303 – Surveying under Module V has been incorporated.	Module Coordinator	Immediate	
		Dr.G.Arun Kumar Subject Expert	Suggested to Offer the **Digital Surveying** in Elective VI	As per the suggestion, the course **"Digital Surveying"** has been offered under **Elective VI**.	Module Coordinator	Immediate	
			Suggested to include the **Fundamentals of Working Stress Method** topic in Module I in **60 CE 503 - Basic Reinforced Concrete Design.**	Based on the suggestion, the **Fundamentals of Working Stress Method** topic in Module I of **61 CE 503 – Basic Reinforced Concrete Design.**	Module Coordinator	Immediate	
			Suggested to move the **"Irrigation and Water Recourse Engineering"** course from 5th semester to 4th semester.	**As per the recommendation**, the **"Irrigation and Water Resources Engineering"** course has been moved from the **V Semester** to the **IV Semester**.	Module Coordinator	Immediate	
		Mr. S. Lokesh Kumar Industry Expert	Suggested to change the **"Highway and Railway Engineering"** course, as theory cum practical course.	As per the suggestion, the **"Highway and Railway Engineering"** course has been revised as a **Theory-cum-Practical** course.	Module Coordinator	Immediate	
		Mr. S. Kumaran Meritorious Alumnus	Suggested to change the "**Construction Management**" course, as theory cum practical course.	The recommendation to revise the "**Construction Management**" course as a Theory-cum-Practical course has been implemented.	Module Coordinator	Immediate	
			Suggested that the "**Rebar and Structural Steel Laboratory**" course can be introduced in 7th semester.	**As per the Suggestion**, the **"Rebar and Structural Steel Laboratory"** course has been introduced in the **VII Semester**.	Module Coordinator	Immediate	
		The necessary corrections have been updated and submitted to the Academic Council Meeting for further approval					

<table>
<tr><td>2.</td><td>Curriculum of PG Programme– R2025</td><td>Dr.V.Satheeskumar
(Subject Expert)

Mr. S. Kumaran
(Meritorious Alumnus)</td><td colspan="4">The curriculum and syllabi of I – IV semester of R2025 PG is presented and the following suggestions were given

It was suggested to replace the course "Geotextiles and Geosynthetics" with "70 PSE E25 - Nonlinear Analysis of Structures" under Elective II for the M.E. Structural Engineering program, as this course directly contributes to the specialized knowledge required for advanced structural engineering.
Additionally, It was suggested to include Geotextile Experiments as part of the " 70 PSE 2P1 - Advanced Structural Engineering Laboratory, to enhance practical exposure and interdisciplinary understanding among students.</td></tr>
<tr><td>3.</td><td>Minor and Honor degree course curriculum and syllabi in R2022</td><td>All BOS Members</td><td>Based on the willingness of the 2023–27 batch students, the members suggested to include the following courses for the Honors degree (R-2022).
1. 60 CE E17- Architecture and Town Planning
2. 60 CE E14- Traffic Engineering and Management
3. 60 CE E25- Building Services
4. 60 CE E27- Climatic Changes and Adaptation Measures
5. 60 CE E47- Application of Remote sensing and GIS in Engineering
6. 60 CE E48- Disaster Management.</td><td>All the courses are included in the honors degree</td><td>BoS Chairman</td><td>Contin uous</td><td>Submitted to Academic Council for Approval</td></tr>
<tr><td>4.</td><td>List of open elective courses and value-added courses offered in 2025-26 (Odd Semester) and planned to offer in 2025-26 (Even Semester)</td><td>All BOS Members</td><td colspan="4">The following open elective courses were offered in 2025-26 (Odd Semester)
<table><tr><th>Sl.No</th><th>Course Code / Course Name</th><th>No. of Students</th></tr><tr><td>1</td><td>60 CE L02 – Climatic Changes and Adaptation Measures</td><td>48</td></tr></table>List of open elective courses to be offer in 2025-26 (Even semester)
1. 60 CE L01 - Waste Management Techniques
Dr. Arun Kumar, G, Subject Expert suggested to offer the Waste Management Techniques as the open elective course as the other department students can understand the global environmental concerns
The value-added course planned to offer in the Odd semester (2025-2026) for UG program
1. Rebar and Structural Steel Detailing (Value Added Course)
2. Revit Architecture (Value Added Course)
The value-added course planned to offer in the Even semester (2025-2026) for UG program
1. Building Valuation (Value Added Course)
2. Digital Surveying (As One Credit Course)
The Board of Studies members recommended the Open Elective, One Credit and Value-added Courses. The List of courses has been submitted to the academic council meeting for the further approval</td></tr>
<tr><td>5.</td><td>Discussion on Curriculum of VII to VIII Semester for R 2022 (UG)</td><td>All BOS Members</td><td colspan="4">I. Total No. of credits for the UG programme
The Curriculum and Syllabi of R2022 of UG and PG was Presented.
Curriculum of Civil Engineering (UG) R2026 is 166 credits. For M.E. Structural Engineering (PG) R2025 is 73 credits.

II. Curriculum and syllabi shall meet the requirements to pursue higher education, career guidance, Startups & Entrepreneurship & Crosscutting issues

Dr. Ibrahim Bathusha and Dr.V.Satheeskumar appreciated that the prescribed Syllabus content within the requirements of AICTE.
Dr.G.Arun Kumar appreciated that the curriculum and syllabi is complying with GATE 2026 Syllabus.

III. Curriculum & syllabi should improve innovative, design & critical thinking skills and problem solving abilities of students</td></tr>
</table>

Dr. Ibrahim Bathusha, Dr.G.Arun Kumar and Dr.V.Satheeskumar discussed that the proposed R 2026 curriculum & syllabi will enrich innovative, design & critical thinking skills and problem solving abilities of students.

Dr.V.Satheeskumar & Mr. S. Lokesh Kumar Suggested to include **Disaster Management** as the Mandatory Course in Sixth Semester.

The course Design Thinking and Innovation & Design Thinking and Product Development was introduced in the I and II Semester

IV. Virtual Laboratories & Industry sponsored courses \ Specific Laboratories
Dr. Ibrahim Bathusha, Dr.G.Arun Kumar and Dr.V.Satheeskumar suggested to have the virtual lab from the NITK Surathkal and other reputed institutions

The above discussion are submitted to the Academic Council for approval.

6. Discussion on Choice Based Credit System — All BOS Members

Self-study courses SWAYAM / NPTEL / MOOC courses offered in 2025-26 (Odd sem.) and planned to offer in Even semester of 2025-26

NPTEL Examination passed in 2025-26 (Odd Sem)

Sl.No.	Course	Weeks	Certified	Elite	Elite+Silver	Elite+gold	Total
1	Environmental Science	12 Weeks	5	0	0	0	**5**
2	Architectural Approaches to Decarbonization of Buildings	12 Weeks	2	5	18	3	**28**
3	Building Materials as a Cornerstone to Sustainability	12 Weeks	1	5	10	4	**20**

NPTEL planned to offer in 2025-26 (Odd Sem)

- Circular Economy for Sustainable Buildings (12 Weeks)
- Bioclimatic Architecture: Futureproofing with Simple and Advanced Passive Strategies (12 Weeks)
- Introduction to Civil Engineering Profession (8 Weeks)

Internship for Students (2nd, 3rd & 4th Year)
2 Weeks-1 Credits
4 Weeks-2 credits
6 Weeks and above-3 Credit

Number of Students undergone internship are

Batches	Total No. of Students	No. of Students undergone
2024-2028	32	20
2023-2027	31	10
2022-2026	22	07

All members suggested that the Internship is mandatory to all students and to be fulfilled by AICTE norms.
All members suggested to have the NPTEL course as mandatory to all students.

The above discussion are submitted to the Academic Council for approval.

7.	**Stake holders feedback and action taken**	The following suggestions are given by stakeholders 1. **Mr. G. Prabhakaran** suggested that the "**Concrete Technology**" course should emphasize modern concreting techniques, durability-based mix designs, and performance-based structural considerations to prepare students for advanced construction practices. 2. **Mr. Sathyamoorthy** recommended that the "**Water Quality and Management**" course integrate practical water treatment applications, real-time water quality monitoring, and sustainable resource management strategies to enhance students' applied knowledge. 3. **Mr. S. Pavithran** highlighted that the "**Dynamics and Earthquake Engineering**" course must focus on earthquake-resistant design principles, dynamic load analysis, and simulation-based learning to strengthen structural safety understanding. 4. **Er. Kumaraguruparan** suggested that the "**Building Services**" course include hands-on exposure to HVAC, plumbing, and electrical systems, along with field visits, to align with modern building engineering practices. 5. **Dr. Jay Ghose** recommended that the "**Estimation and Quantity Surveying Laboratory**" course incorporate digital tools, real-life project estimation, and cost-benefit analysis exercises to develop practical financial and planning skills. 6. **Mr. Gajendra** highlighted that the "**Foundation Engineering**" course should include soil-structure interaction case studies, foundation system comparisons, and field investigation techniques to enhance students' practical decision-making capabilities. 7. **Mr. Chandrakant** suggested that the "**Construction Materials and Technology**" course focus on innovative and sustainable materials, quality control, and cost-effective construction practices for industry-ready knowledge. 8. **Dr. Nagendra Rao Velaga** recommended that the "**Geology and Soil Mechanics**" course integrate advanced soil testing methods, digital data acquisition, and geotechnical analysis software exposure to improve practical learning outcomes. 9. **Mr. Subimal Ghose** highlighted that the "**Design of Steel Structures**" course should emphasize modern design codes, performance-based structural design, and practical modelling exercises to prepare students for professional engineering practice. 10. **Mr. Janardhanan Gangathulasi** suggested that the "**Rehabilitation of Structures**" course include case studies on retrofitting, non-destructive testing, and sustainability-focused repair strategies to align with current civil engineering standards. 11. **Mrs. Seethadevi** emphasized that the "**Project Management**" course must focus on modern tools such as Primavera and MS Project, risk assessment, quality control, and project evaluation techniques to develop effective managerial and decision-making skills. Based on the feedback received from the stakeholder the syllabi of R2026 for the particular courses are updated submitted to Academic Council meeting for the approval
8.	**Suggestion given by IQAC**	**Suggestions**: 1) Introduce courses related to Sustainability Development; 2) Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken**: Motivated the students to take self-study courses on Sustainability Development in 2025-26 Even Semester
9.	**Any other Matters**	**Question Paper Reforms - Internal and End Semester Examination** Reforms in examination question papers for both internal assessments and end-of-semester exams can be implemented in accordance with directives from the Head of the Institute, ensuring consistency across all branches. **NCC as additional Credit \Waiver in R2026, R2022 & R2025 (PG)** Members suggested adhering to the directions provided by the Head of the Institute since they are the same for all branches.

29/01/26 — BOS Chairman

31/1/26 — Dean/Academics

31/1/26 — Dean/Admin

Principal

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637 215

ANNEXURE – I	
Board of Studies (BoS) Meeting No.: 29	**17.12.2025 (Wednesday), 10.00 a.m.**

LIST OF MEMBERS ATTENDED

S.No.	Name	Designation & Address	Representation	Signature
1.	Dr.A.Murugesan	Professor & Head, Department of Mechanical Engineering, K.S.Rangasamy College of Technology.	Chairman	
2.	Dr. K. Balamurugan	Associate Professor, Department of Mechanical Engineering Government College of Engineering, Erode – 638 316.	University Nominee	
3.	Dr.D.Kesavan	Associate Professor, Mechanical Engineering Indian Institute of Technology Palakkad, Kanjikkode, Palakkad, Kerala. Pin: 678623	Subject Expert	—
4.	Dr.P.Jeyaraj	Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Surathkal	Subject Expert	
5.	Mr.Rammohan Krishnan	President Engineering, Chemplast Cuddalore Vinyls Ltd., (Sanmar Group), SIPCOT Industrial Complex Phase II, Semmankuppam, Cuddalore - 607 005	Industry Expert	—
6.	Dr. R Parameshwaran	Principal, Kongu Engineering College, Perundurai, Erode-638052	Alumni	
7.	Dr. A. Kumaravel	Principal & Professor K.S.Rangasamy College of Technology.	Member	
8.	Dr.P.S.Sampath	Professor, Department of Mechanical Engineering,K.S.Rangasamy College of Technology.	Member	
9.	Dr.S.Gopalakrishnan	Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology.	Member	
10.	Dr.K.Mohan	Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	—
11.	Dr.K.Santhanam	Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	—

S.No.	Name	Designation & Address	Representation	Signature
12.	Dr.M.Gnanasekaran	Associate Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	
13.	Mr. S. Venkatesan	Assistant Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	
14.	Dr.V.P. Arthanarieswaran	Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	
15.	Dr.S.Jeyaprakasam	Associate Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	
16.	Dr.D.Vasudevan	Assistant Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	
17.	Mr.C.Ramesh	Assistant Professor, Department of Mechanical Engineering, K.S.Rangasamy College of Technology	Member	
18.	Mr.Sathish Kumar R	Parent of Rajesh Kumar S (73772211130)	Member (Parent)	
19.	Mr. Avinesh G Reg. No. 73772211104	IV Year Mechanical Engineering, K.S.Rangasamy College of Technology	Student Member	
20.	Mr. Arunachalam K P Reg. No. 73772211103			
21.	Mr. Abdul Rahman R Reg. No. 73772211103			
22.	Mr. Thilageshwaran P Reg.No. 73772211144			

BoS-Chairman
Mechanical Engineering (UG&PG)
K.S.Rangasamy College of Technology
Tiruchengode - 637 215

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(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of Board of Studies Meeting

Department of Mechanical Engineering

30.12.2025

S. No.	BoS Meeting No.: **29**	Date:**17.12.2025**	Venue: **Mechanical Board room & MS Teams**(https://tinyurl.com/mpv59nwv)

1 The BoS Chairman welcomed the expert members of 29th Board of Studies meeting held at Mechanical Board room The Chairman conveyed heartfelt gratitude to the external members for sharing their time and expertise, acknowledging their vital contribution in enhancing the department's academic excellence through strong industry alignment. The following expert members were present along with the internal members.

S. No.	Name of the BoS Member	Representation
1	Dr. K. Balamurugan	University Nominee
2	Dr.P.Jeyaraj	Subject Expert
3	Dr. R Parameshwaran	Alumni
4	Mr. Avinesh G, Mr. Arunachalam K P Mr. Abdul Rahman R, Mr. Thilageshwaran P	Student members

BoS Chairman presented the Vision, Mission, PEO, PSO of Mechanical Engineering programme and discussed among BoS members.

Vision: To be a leader in providing skill sets for globally competent Engineers, Researchers, Entrepreneurs and Managers in Mechanical Engineering domain.

Mission:

- To offer quality education through experiential learning using ICT tools and socially –relevant projects.
- To engage Faculty and Students in fundamental, heavy engineering and applied research related to energy, environment and safety concerns.
- To groom students to venture into successful entrepreneurs and managers

Program Educational Objectives (PEOs)

PEO1: **Professional Competency**: Graduates of the programme will adapt to emerging technological challenges with core competence in mechanical engineering domain.

PEO2: **Employability and Entrepreneurship**: Graduate of the programme will exhibit their technical knowledge and skills to secure suitable positions in technological organizations and to become entrepreneurs

PEO3: **Higher Education and Research**: Graduates of the programme will pursue advanced studies in thrust areas of mechanical engineering to carryout scientific and industrial research to meet/satisfy current requirements in respective sectors ethically.

Programme Specific Outcomes (PSOs): Engineering Graduates will be able to:

PSO1: Use modern tools in the design, analysis and manufacturing of mechanical components and systems.

PSO2: Solve multidisciplinary problems in manufacturing and allied industries.

PSO3: Adopt creative and innovative approaches to address real- time industrial challenges

2.	Agenda	Name & Nominee	Discussion/Suggestion	Action to be taken	Responsibility	Target	Rem.
	Curriculum of UG programmes (R2026)	Dr.P.Jeyaraj, Academic Expert	**26MY0E12T Biology for Engineers:** Assessment methodology need to be revised.	Based on the suggestion, the mandatory course assessment methodology is revised.	Programme Coordinator	Immediate	Submitted to Academic Council for approval
		Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert	Suggested to include **26ME0403P-Mini Project** in the curriculum with content /activities to be carried out during the schedule.	As per the suggestion, the content /activities during the schedule is incorporated.	Programme Coordinator	Immediate	
		Dr.K.Balamurugan, University Nominee & Dr.R.Parameshwaran Alumni	Suggested to incorporate innovation type in '**26ME0102L-Design Thinking**' lab course	As per the suggestion from the members, innovation based design thinking course is introduced.	BoS Chairman/ Programme Coordinator	Immediate	
		Dr.P.Jeyaraj, Academic Expert	Suggested to verify the pre-requisite of courses like Machine learning, Mechatronics and IoT to have better clarity for R 2026 curriculum	As per the suggestion, the courses are rearranged based on the pre-requisite.	BoS Chairman	Immediate	
		Dr.K.Balamurugan, University Nominee	Suggested to include industrial management as one of the vertical. And suggested to include 'Quantum physics' in the content of **26PH0C01T Engineering Physics**.	Based on the suggestion, the course verticals have been revised as per the requirement. And Quantum physics content is introduced in the course.	BoS Chairman & Programme Coordinator	Immediate	
		Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert	Telephonic conversation may be replaced with mobile conversation in the '**26 EN 0C01I- Professional Communication** course'.	As per the suggestion, the content is revised	BoS Chairman	Immediate	

<table>
<tr><td rowspan="3">3.</td><td rowspan="3">Revision in the Curriculum and Syllabi of I to VIII semester (R2022) of UG Programme</td><td>Dr.K.Balamurugan,
University Nominee
&
Dr.R.Parameshwaran
Alumni</td><td>Suggested to revise the laboratory component in the course '60 ME E25 Internal Combustion Engines.'</td><td>Based on the suggestion, the laboratory component has been revised.</td><td rowspan="3">Programme Coordinator
&
Module Coordinator</td><td rowspan="3">Immediate</td><td rowspan="3">Submitted to Academic Council for approval.</td></tr>
<tr><td>All BoS members</td><td>Suggested to include '60 MY 004 - Disaster Management' as one of the mandatory course as per the directions from AICTE.</td><td>As per the insight, the '60 MY 004-Disaster Management' course is offered as mandatory course</td></tr>
<tr><td>Dr.K.Balamurugan,
University Nominee
&
Dr.P.Jeyaraj,
Academic Expert</td><td>60 ME E45-Thermal Turbomachines: Suggested to include sensor technology in the course content and real time examples may be given as case studies.</td><td>As per the suggestion the contents were revised.</td></tr>
<tr><td>4</td><td colspan="6">Curriculum and Syllabi for Minor and Honour Degree programmes (R2022)
Discussion/Suggestion:
Proposed curriculum and syllabi for the Honours courses were presented and the suggestions were sought by the BoS Chaiman. The list of courses in R 2022 are as follows:
<table>
<tr><th>S. No.</th><th>Course Code</th><th>Course Name</th><th>Credits</th></tr>
<tr><td>1</td><td>60 ME E16</td><td>Reverse Engineering</td><td>3</td></tr>
<tr><td>2</td><td>60 ME E27</td><td>Optimization Techniques in Design</td><td>3</td></tr>
<tr><td>3</td><td>60 ME E37</td><td>Integrated Product Development</td><td>3</td></tr>
<tr><td>4</td><td>60 ME E47</td><td>Micro and Precision Engineering</td><td>3</td></tr>
<tr><td>5</td><td>60 ME E57</td><td>Quality Engineering</td><td>3</td></tr>
<tr><td>6</td><td>60 ME E58</td><td>Surface Engineering</td><td>3</td></tr>
</table>
Action Taken:
All BoS Members approved the courses and submitted to Academic Council for further approval.</td></tr>
</table>

5 **List of open elective courses offered in 2025-26(ODD Semester)**

The following open elective courses were offered in 2025-26 (ODD Semester)

S. No.	Course Code	Course Name	Semester	Dept. Opted	No. of students	Total
1	60 ME L01	Direct Digital Manufacturing	V, VII	ECE	29	54
				EEE	03	
				MCT	12	
				BT	03	
				TXT	03	
				FT	04	
2	60 ME L02	Product Design and Development	V, VII	ECE	12	49
				MCT	04	
				BT	01	
				FT	32	
3	60 ME L03	Composite Materials and Processing	V, VII	CIVIL	08	33
				MCT	17	
				FT	04	
				TXT	04	

Discussion/Suggestion:

Dr.K.Balamurugan, University Nominee & Dr.R.Parameshwaran, Alumni, suggested to offer interdisciplinary courses focussing on skill development and placement.

List of open elective courses planned to offer in 2025-26 (EVEN semester)

Based on the discussion, the members approved to offer the following open elective courses in 2025-26 (EVEN semester)

S.No.	Course Code	Course Name	Credits
1	60 ME L04	Reliability Engineering	3
2	60 ME L05	Logistics Management	3
3	60 ME L06	Power Generation Engineering	3
4	60 ME L07	Green Energy Sources	3

List of value-added courses offered in 2025-26(ODD Semester) and planned to offer in 2025-26 (EVEN semester)

The following value added course was offered in 2025-26 (ODD Semester)

S. No.	Course Name	Semester	No. of students	Course Duration in Hours
1	CATIA V5 R20	V	58	50
2	Computer Aided Manufacturing (CAM)	V	58	50
3	HVAC	V	58	50

Discussion/Suggestion:

Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert suggested to offer industry related value added courses to suit the current requirements.

It is proposed to offer the following value added courses from 2025-26 EVEN Semester

S. No.	Course Name	Semester	Course Duration in Hours
1	MATLAB	VI	70
2	Solid Works 2022	VI	70

BoS members approved the list of value added courses and it is resolved to submit the proposal for the approval in Academic Council.

6.1 **Discussion on proposed Curriculum for UG (I to VIII Semesters, R2026)**

Discussion/Suggestion:

I. Total No. of credits for the UG programme

- Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert and other members have gone through the proposed curriculum of B.E Mechanical Engineering under Regulation R 2026 suggested to continue with **163** credits.

II. Curriculum for I to VIII semester Courses (R2026) and Recommendations

- Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert appreciated that the R2026 curriculum of the Mechanical Engineering programme will meet the requirements to pursue higher education & carrier guidance and startups & entrepreneurship as well.

III. Curriculum and syllabi to support progression to higher education, career guidance, Startups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).

- Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert appreciated that the proposed R 2026 curriculum will focus on current trends in Mechanical Engineering which will be useful for placement, higher studies and entrepreneurship.

IV. Curriculum meeting the requirements of NEP 2020.

- Dr.K.Balamurugan, University Nominee, Dr.P.Jeyaraj, Academic Expert and other members recommended to continue with existing system for elective courses/open elective course selection, project selection and internship.

V. Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills.

- Members suggested that the proposed curriculum R 2026 will enrich innovative, design & critical thinking skills and problem solving abilities of students.

VI. Incorporation of Virtual Laboratory &Industry sponsored/supported courses and laboratories

- Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert suggested to continue with virtual laboratory contents available in web platform of premier institute.

VII. Introduction of new courses

- Members suggested to focus on current trends in Mechanical Engineering which will be useful for placement, higher studies and entrepreneurship.

	Action Taken: - Based on the suggestion from the BoS members and the latest technology in Mechanical Engineering, following new courses are introduced in R2026 for betterment of placement, higher studies and entrepreneurship. 1. Foreign Language (Japanese/German/French) 2. Biology for Engineers^ (MC) 3. Disaster Management (MC) 4. Product Life Cycle Management 5. Life Skill for Engineers$ (MC) 6. Tribological Design 7. Mechanical Vibrations 8. Digital Twin 9. Electric Vehicle Design 10. Digital Manufacturing and IoT 11. Battery Technology 12. Vehicle Technology 13. Energy Conservation and Auditing 14. Bio-fuel Technology 15. Fabrication Laboratory – IDEA Lab – Maker Space (Micro Project) 16. Innovation for Engineering and Technology (Micro Project) 17. Mini Project 18. Drone Technologies The BoS Members approved the curriculum for R 2026 and it is suggested to submit it in the Academic Council for approval.
6.2	**Discussion on proposed Curriculum of New UG Programme - Robotics and Automation (I to VIII Semesters - R2026)** **I. Introduction of New UG Programme - Robotics and Automation in the upcoming academic year 2026-27** - The proposed B.E.- Robotics and Automation will support the manufacturing and process industry's skill gap by offering an industry relevant curriculum focussed on emerging technologies, employability, hands-on training, research and innovation while strengthening industry collaborations. **II. Review of curriculum for I to VIII semester Courses (R2026) and Recommendations** - The Robotics and Automation (UG) programme and curriculum offering advanced courses to bridge the skill gap in the field of Robotic process, Robot mechanics and Automation of workspace etc. - The BoS Chairman presented the proposed curriculum. The deliberations were made among the members about the demand for man power in the manufacturing sector and reviewed the curriculum. It is resolved to submit proposed curriculum to Academic Council for approval. **III. Total No. of credits for the B.E. Robotics and Automation (UG) – 164**

IV. Preparation of courses from I to VIII semester and Recommendations

- The BoS Chairman presented the proposed syllabi of B.E. Robotics and Automation (UG) programme. Members discussed and reviewed the course contents based on the industry requirements. It is resolved to submit the proposed Syllabi to Academic Council for approval.

V. Curriculum and syllabi to support progression to higher education, career guidance, Startups & Entrepreneurship & cross cutting issues

- The proposed curriculum meet the requirements to pursue higher education, career guidance, Startups & Entrepreneurship & cross cutting issues

VI. Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills.

- Members suggested that the proposed curriculum R 2026 will enrich innovative, design & critical thinking skills and problem solving abilities of students. The members of the BoS approved the curriculum and syllabi. It is resolved to submit the proposed curriculum and syllabi in Academic Council for further approval.

7 **Discussion on Choice Based Credit System**

I. Self-study courses SWAYAM/ NPTEL/MOOC courses offered in 2025-26 (ODD Sem) and planned to offer in 2025-26 (EVEN Sem)

- Dr.K.Balamurugan, University Nominee, Dr.P.Jeyaraj, Academic Expert suggested to offer self-study courses from 3rd semester onwards with one course per semester. The following courses were completed by both faculty and students under NPTEL during 2025-26 (ODD semester)

S. No.	Name of the course	Year /Semester	No. of weeks	No. of students got certification	Total
1	Introduction to Composite	III/V	12	13	98
2	Rapid Manufacturing	III/V	12	45	
3	Laser Based Manufacturing	II/III	8	14	
4	Product Design and Development	II/III	4	26	

NPTEL courses planned to offer during 2025-26 (EVEN semester)

S. No.	Name of the course	Year /Semester	No. of weeks
1	Education for Sustainable Development	I/II	12
2	Manufacturing Guidelines for Product Design	II/IV	8
3	Navigating the Latest Trends in Additive Manufacturing Landscape	II/IV	12
4	Environmental Geoscience	III/VI	12

II. One credit course offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester)

- The following one credit courses were offered in 2025-26 (ODD Semester)
  - Advanced Material Joining Technologies (AMJT)
  - Welding of ferrous and Non-ferrous Metal
- Dr.P.Jeyaraj, Academic Expert and Dr.K.Balamurugan, University Nominee suggested to offer one credit courses from 4th semester onwards that to one course per semester.The following one credit course is planned to offer in 2025-26 (EVEN semester)
  - Welding Design Codes and Testing
- The BoS members appreciated and approved to offer the proposed courses. It is resolved to submit to Academic Council for further approval.

	III. Skill based courses offered in2025-26(ODD semester) and planned to offer 2025-26 (EVEN Semester) **Discussion/Suggestion:** - Members suggested to offer the skill based courses that will improve the technical skill of the students. The following skill based courses were planned to offer in 2025-26 (EVEN semester) • Non -Destructive Testing / GD & T **IV. International Certification completed in 2024-25 (EVEN semester) and identification of certifications for the forthcoming semesters.** **Discussion/Suggestion:** - Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert insisted to motivate the students to participate in the certification courses. The international certified course titled 'Generative Design for Additive Manufacturing' is identified and planned to offer in the forthcoming semester. **V. Rollout of laboratories classes to encourage students to participate in Design Contests, Hackathon, Ideathon, and similar activities.** **Discussion/Suggestion:** - Dr.K.Balamurugan, University Nominee & Dr.P.Jeyaraj, Academic Expert insisted to motivate the students to participate the more number of hackathon, design contests and Ideathon etc. to improve the knowledge and skill development which could be useful for placement activities and higher studies. **VI. Evaluation pattern for Integrated courses, Project based & System based courses** **Discussion/Suggestion:** - As per the suggestion, it is decided to proceed with existing process for evaluation pattern for integrated courses. **VII. Internship details of students (2nd,3rd&4thYear)** - BoS members suggested to undergo internship from 3rd semester onwards offered by core companies during summer and winter vacations. 28 students were completed the internship during ODD Semester of 2025-26 academic year. The BoS members approved the contents and submit the proposal to Academic Council for approval.
8	**Stake holders feedback and action taken** **Discussion/Suggestion:** The following stake holders (Employer, Alumni, Faculty and Students) have given the feedback related to curriculum design and development. - Mr.M.Ranjith, (Employer), Executive – PED Design, Igharashi Motors India Ltd., Chennai, suggested to include CAD/CAM (Computer-Aided Design and Manufacturing) to emphasize hands-on skills in the workplace. - Mr. V. Dinesh Kumar, (Alumni), Maintenance, KONE Elevators Pvt. Ltd, Chennai, suggested to include the course 'Quality Inspection and Management' in order to emphasize in troubleshooting and solving practical problems - Mr. Mohamed Kamaludin S (Alumni), Executive - Quality Model Infra Corporation, Sriperambadur, Thiruvallur suggested to include Engineering Drawing and Machine Drawing for better understanding of GD&T and ability to read technical drawings.

	- Mr. Babu. P, (Employer), Layout & Piping, Principal Designer, SAIPEM India Projects Private Limited, Perungudi, Chennai suggested to learn the software CAESAR II (Stress Analysis), E3D and SP3D (Plant Modeling Software) which will help students to secure jobs in the Oil & Gas and Power sectors. - Parameswaran R- Technical Design Head, Mr. Vinoth, HR- and Mr. Anbarasu- Senior Design 7Engineer, PRD rigs Pvt. L8td., Sankari, suggested to concentrate on Knowledge of CAD tools, Good Logical Thinking, and problem-solving skills. - Mr. A. Fazialkhan, (Alumni), Product Management/Engineering Change management Engineer, Ford Global Technologies Business Centre India, Shollinganallur, Chennai suggested to focus on Programming languages - Python, SQL, Robotic Process Automation and additional languages like German, Japanese. - Mr. Chilambarasan K, (Alumni), Project Manager-Software Development, DEP India Pvt ltd., Chennai, suggested to include CAE basic meshing, Crash and NVH analysis for better opportunity in R & D areas. **Action Taken:** - Based on the suggestion from stake holder, the course contents were revised and submitted to Academic Council for further approval.
9	**Suggestions given by IQAC** • Introduce courses related to Sustainability Development • Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken:** - Sustainability Development courses like 26ME0404T-Thermal Engineering, 26ME0E02T- Refrigeration and HVAC System, 26ME0E04T-Renewable Energy Systems, 26ME0E05T - Energy Conservation and Auditing were introduced in the R2026 curriculum. - Senior members from academia, Industry experts/Alumni from reputed organizations are involved in developing curriculum and syllabi aligned with current industry requirements, thereby promoting employability. It is resolved to submit it in Academic Council for further approval.
10	**Any other matters** **Suggestion on Examination Reforms (Question Paper Reforms - Internal and End Semester Examination)** - Examination pattern can be followed as per the directions from the Head of the Institute since it is common for all the branches. **Suggestions and permission to start new programmes in thrust areas** - Suggested to offer the following new programmes based on the availability of resources. Robotics and Automation, Computational Mechanics, Digital Manufacturing, AIML based Engineering Design, Energy Technologies **Action Taken:** - Based on the suggestions from BoS members, we planned to submit a proposal to start new UG programme 'B.E. Robotics and Automation' to AICTE and Anna University, Chennai. It is resolved to submit it in Academic Council for further approval.

BoS Chairman **Dean/Academics** **Dean/Admin** **Principal**

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637215

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Board of Studies Members (as per UGC Recommendations)

Period: 2025-2026

Name of the Board : Mechatronics Engineering
Programme : UG - B.E Mechatronics Engineering
: PG - M.E Industrial Safety Engineering
Venue : Homi. J.Bhabha Hall, Aditya Block Date:17.12.2025

S. No.	Name	Designation as per UGC	Designation / Affiliation with full contact details	e-Sign
1.	Dr. K. Balamurugan	University Nominee	Associate Professor, Department of Mechanical Engineering, Government College of Engineering (IRTT), Erode - 638 316. Mail ID : drkbalamurugan@gmail.com Mobile No. : 91501 66322	12/17/25, 2:02:26 PM
2.	Dr.S.P.Sivaprakasam	Subject Expert	Professor & Head, Dept. of Mechanical Engineering, National Institute of Technology, Trichy – 620 015 Mail ID : spshivam@nitt.edu Mobile No. : 9944547215	12/17/25, 2:06:31 PM
3.	Dr M.Bharathiraja	Subject Expert	Professor, Department of Mechatronics Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode-638 401 Mail ID : bharathiraja@bitsathy.ac.in Mobile No. : 9965175377	12/17/25, 1:58:18 PM

BoS Chairman

CHAIRMAN
Board Of Studies/
Mechatronics Engineering

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637215

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Board of Studies Members (as per UGC Recommendations)

Period: 2025-2026

Name of the Board : Mechatronics Engineering
Programme : UG – B.E Mechatronics Engineering
: PG – M.E Industrial Safety Engineering
Venue : Homi. J.Bhabha Hall, Aditya Block Date: 17-12-2025

S. No.	Name	Designation as per UGC	Designation / Affiliation with full contact details	Signature
1.	Dr.S.S.Saravanakumar	Chairman	Professor & Head Department of Mechatronics Engineering K.S.Rangasamy College of Technology Tiruchengode-637215, Namakkal District Mail ID: hodmct@ksrct.ac.in Mobile No: 9943442987	
2.	Dr. K. Balamurugan	University Nominee	Associate Professor, Department of Mechanical Engineering, Government College of Engineering (IRTT), Erode - 638 316. Mail ID : drkbalamurugan@gmail.com Mobile No. : 91501 66322	ONLINE MODE
3.	Dr.P.Ravichandran	Subject Expert	Professor, Department of Mechatronics Engineering, Kongu Engineering College, Perundurai, Erode-638060 Mail ID : ravichandran@kongu.ac.in Mobile No. : 9965998989	17.12.25
4.	Dr M.Bharathiraja	Subject Expert	Professor, Department of Mechatronics Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode-638 401 Mail ID : bharathiraja@bitsathy.ac.in Mobile No. : 9965175377	ONLINE MODE
5.	Dr.S.P.Sivaprakasam	Subject Expert	Professor & Head, Dept. of Mechanical Engineering, National Institute of Technology, Trichy – 620 015 Mail ID : spshivam@nitt.edu Mobile No. : 9944547215	ONLINE MODE
6.	Mr.S.Karthikeyan	Industry Expert	Technical Head, Technical Manager (IoT and Semi-Conductor), eDigiM Research Private Limited, Poonamallle, Chennai – 600056 Mail ID : karthikeyan@edigim.com Mobile No. : 8608501021	—
7.	Mr. K. Akash	Alumni (UG – MCT)	Maintenance Engineer Forvia Clean Mobility India Pvt, Ltd 449A, Pondur Village, Kanchipuram District – 602105 Mail ID: aakash.kirupanantham.akm@forvia.com Mobile No. : 7530040449	—

S. No.	Name	Designation as per UGC	Designation / Affiliation with full contact details	Signature
8.	Dr. A. Ramesh Kumar BoS Coordinator (UG - MCT)	Member	Associate Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
9.	Mrs.V.Indumathi BoS Coordinator (PG - ISE)	Member	Assistant Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
10.	Dr.N.Tiruvenkadam	Member	Professor Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
11.	Dr.C.Vijayakumar	Member	Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
12.	Dr.R.Senthilmurugan	Member	Associate Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
13.	Dr.M.Sasikumar	Member	Associate Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
14.	Dr.M.Baskaran	Member	Associate Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
15.	Dr. P. Mohanram	Member	Professor Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
16.	Mr. S. Harirasadh	Member	Assistant Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
17.	Mr. R. Vivek	Member	Assistant Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
18.	Mr. M. Sanjay	Member	Assistant Professor, Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215.	
19.	Deva S (Reg.No. 73772215109)	Student Member (IV Year)	Department of Mechatronics Engineering, K.S.Rangasamy College of Technology, Tiruchengode – 637215	

BoS Chairman

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Mechatronics Engineering

(UG-MECHATRONICS ENGINEERING & PG-INDUSTRIAL SAFETY ENGINEERING)

BoS Meeting No. 29		**Date: 17.12.2025**		**Venue: Homi.J Bhabha Hall, Aditya Block & MS Teams**

The 29th Board of Studies Meeting of the Department of Mechatronics Engineering was held in hybrid mode on 17.12.2025. The Chairman, BoS of Mechatronics Engineering welcomed and introduced the members of 29th Board of Studies and presented the Regulation 2026 curriculum, I and II Semester Syllabi for the B.E. Mechatronics Engineering program and the Regulation 2025 curriculum and syllabi for the M.E. Industrial Safety Engineering program to the members of the Board of Studies.

Agenda:
Vision, Mission, PEO, PSOs of Mechatronics Engineering Programme

Discussions/Suggestions:
Vision, Mission, PEOs, PSOs of Mechatronics Engineering programme were presented and discussed among the members

Vision:
To become a pioneer in producing competent Mechatronics Engineers, researchers and entrepreneurs through quality education

Mission:
- To produce competent and ethically bound Mechatronics professionals by imparting the technical knowledge and skills through quality teaching learning process
- To build an environment that is favourable for employability skills through collaborations with academia and industry
- To groom the students to focus on higher studies, research, entrepreneurship and be committed to the societal welfare and quality of life by creating an effective ecosystem

Program Educational Objectives (PEOs)
PEO1: Core competencies: Our graduates apply engineering knowledge to solve problems in Mechatronics and relevant fields.
PEO2: Employability: Our graduates demonstrate technical and professional skills to ethically address the industrial and societal needs.
PEO3: Higher Studies, Research and Entrepreneurship: Our graduates pursue higher studies, research and entrepreneurship in diverse fields.

Programme Specific Outcomes (PSOs):
Engineering Graduates will be able to:
PSO1: Specify, design and develop automation systems for the given engineering applications.
PSO2: Design and evaluate mechatronic systems using the state-of-the-art equipment and software tools.

Action to be taken:
The BoS members resolved to continue with the existing Vision, Mission, PEOs, and PSOs of the Mechatronics Engineering Programme

S. No.	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	Curriculum of UG programme (R2026)	Dr. K. Balamurugan (University Nominee)	1. Project Work Phase - I may be included in R2026	1. Suggestions are recommended to the Standing Committee meeting	BoS Chairman / Programme Coordinator	Immediate	Submitted to Academic Council for further Approval
		Dr.M.Bharathiraja (Subject Expert) Dr.P.Ravichandran (Subject Expert)	2. The Professional Elective course **70 MC E24 Automobile Engineering** may be renamed as **70 MC E24 Automotive Electronics** as the course content covers both Automobile Engineering fundamentals and the application of electronics in automobiles	2. The Professional Elective course **70 MC E24 Automobile Engineering** renamed as **70 MC E24 Automotive Electronics** and the syllabus will cover both Automobile Engineering fundamentals and the application of electronics in automobiles	BoS Chairman / Programme Coordinator / Module Coordinator	December 2027	
2.	Curriculum and syllabi of R2025 (PG)	Dr.S.P. Sivapirakasam (Subject Expert)	1. The courses **70 PIS E21 Safety in Chemical Industries** and **70 PIS 103 Safety in Process Industries** have similar content, so it was proposed to remove the professional elective and replace it with **70 PIS E21 Safety in Petro-Chemical Industries**	1. The professional elective course **70 PIS E21 Safety in Chemical Industries** was removed and replaced with **70 PIS E21 Safety in Petro-Chemical Industries** course	BoS Chairman / Programme Coordinator / Module Coordinator	Immediate	Submitted to Academic Council for further Approval
		Dr. K. Balamurugan (University Nominee)	2. The professional elective course **70 PIS E31 Safety and Risk Analytics** may be removed from the electives and replace with the course **Safety in Material Handling Equipment**	2. The professional elective course **70 PIS E31 Safety and Risk Analytics** was removed and replaced with **70 PIS E31 Safety in Material Handling Equipment** course			

3.	Revision in the Curriculum and Syllabi of I to VIII semester (R2022) of UG Programmes.	All BoS Members	No revisions were suggested by the stakeholders, and it was resolved that no modifications are required to the existing structure. As per AICTE guidelines, the BoS members suggested to introduce a new course, **60 MY 004 Disaster Management**, in the UG curriculum	The curriculum and syllabi of the UG programme for Semesters I to VIII (R2022) are being followed without any changes, as no modifications have been proposed Based on the suggestion, new course **60 MY 004 Disaster Management** introduced in the UG R2022 curriculum	BoS Chairman / Programme Coordinator / Module Coordinator	-	Submitted to Academic Council for further Approval

4. **Curriculum and Syllabi for Minor and Honour Degree programmes (R2022 & R2026)**

Discussion/Suggestion:
The curriculum and syllabi of the **Honour Degree in Robotics and Automation** were reviewed, and the BoS members approved that no modifications are required to the existing R2022 syllabi

The **R2022 Honour Degree in Robotics and Automation** is currently offered with the following courses:

S.No	Course Code	Course Name	L	T	P	C
1	60 MC E17	Medical Robotics	3	-	-	3
2	60 MC E18	AI for Robotics	3	-	-	3
3	60 MC E27	Robot Kinematics and Dynamics	3	-	-	3
4	60 MC E37	Applied and Industrial Robotics	3	-	-	3
5	60 MC E47	Robotic Programming	3	-	-	3
6	60 MC E48	Sensors and Machine Vision Systems	3	-	-	3

The proposed courses for the **R2026 Honour Degree in Robotics and Automation** are as follows:

S.No	Course Name	L	T	P	C
1	Robot Kinematics and Dynamics	3	-	-	3
2	Automation in Renewable Energy Systems	3	-	-	3
3	AI for Robotics	3	-	-	3
4	Robot Ethics and Safety Systems	3	-	-	3
5	Applied and Industrial Robotics	3	-	-	3
6	Sustainable and Green Automation Technologies	3	-	-	3

Action Taken:
The curriculum and syllabi of R2022 Honour Degree courses presented by the BoS Chairman were approved by BoS members in the BoS meeting and submitted to Academic Council for further approval.

5. **List of Open Elective Courses offered in 2025-2026 (ODD Semester)**

The following open elective course was offered in 2025-26 (ODD Semester)

S.No	Course Code	Course Name	L	T	P	C	No of Students
1	60 MC L06	Safety and Risk Analytics	3	-	-	3	54

List of Open Elective Courses planned to offer in 2025-26 (EVEN semester)

Action Taken:

Based on the discussion, the BoS members approved to offer the following open elective courses in 2025-26 (EVEN Semester)

S.No	Course Code	Course Name	L	T	P	C
1	60 MC L03	Applied Ergonomics	3	-	-	3
2	60 MC L05	Digital Transformation in Manufacturing	3	-	-	3

List of value-added courses offered in 2025-26(ODD Semester) and planned to offer in 2025-26 (EVEN semester)

In AY:2025-2026 (ODD Semester) value-added courses offered : Nil

Discussion/Suggestion:

The BoS members recommended offering value-added courses in the forthcoming Even Semester of the 2025-26 academic year.

Dr. K. Balamurugan, University Nominee, and Dr. M. Bharathiraja, Subject Expert, suggested offer industry-oriented value-added courses to meet current requirements

Action Taken:

It is proposed to offer the following value added courses for 2025-26 EVEN Semester

S.No	Name of the Value Added Course	No. of hours	Name of the Industry
1	Signal Processing Applications using MATLAB	30	Armada Industrial Automation, Thanjavur
2	3D Part Modeling using SolidWorks	30	C Cube Technologies, Erode

BoS members approved the open elective courses and value added courses and submitted to Academic Council for further approval.

6. **I. Discussion on proposed Curriculum for UG (I to VIII Semesters, R 2026) and Curriculum and Syllabi of PG (I to IV semesters, R2025)**

UG Programme:

Discussion/Suggestion:

- The BoS members have gone through the proposed curriculum of Mechatronics Engineering (UG) under Regulation R 2026.

Action Taken:

- As per the discussions, it is resolved to continue with 162 credits for B.E Mechtronics Engineering in R2026 and submitted to Academic Council for approval.

PG Programme:

Discussion/Suggestion:

- The BoS members have gone through the Curriculum and Syllabi for I to IV semester Industrial Safety Engineering (PG) under Regulation R 2025

Action Taken:

- As per the discussions, it is approved to continue with 74 credits for M.E Industrial Safety Engineering in R2025 and submitted to Academic Council for further approval.

II. Curriculum for I to VIII semester Courses (R2026) and Recommendations

- The BoS members, appreciated that the R2026 curriculum of the Mechatronics Engineering programme addresses the requirements for pursuing higher education, career guidance, and startups and entrepreneurship

III. Curriculum and syllabi to support progression to higher education, career guidance, Start-ups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).

- The BoS members appreciated that the proposed R2026 curriculum focuses on current trends in Mechatronics Engineering, which will be useful for placements, higher studies, and entrepreneurship.

IV. Curriculum meeting the requirements of NEP 2020.

Discussion/Suggestion:

- The BoS members recommended continuing the existing system for elective and open elective course selection, project selection, and internships

V. Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills.

Discussion/Suggestion:

- The BoS members suggested that the proposed R2026 curriculum will enhance students' innovation, design and critical thinking skills, as well as their problem-solving abilities

VI. Incorporation of Virtual Laboratory & Industry sponsored/supported courses and laboratories

Discussion/Suggestion:

- The BoS members recommended that faculty may make use of the online virtual laboratory resources provided by reputed/premier institutes (such as IITs, IISc, NITs, etc.) that are available on their official web platforms for teaching and learning purposes

Action Taken:

Based on the BoS recommendations, suitable virtual laboratory resources from premier institutes have been identified for use in the respective courses in the forthcoming semesters.

S.No	Virtual Lab Name	Participating Institutes
1	Strength of Materials Lab	IIT Kanpur
2	Fluid Mechanics Lab	IIT Roorkee
3	Heat Transfer Lab	IIT Guwahati
4	Metrology and Measurements Lab	IIT Madras
5	Kinematics of Machines Lab	IIT Delhi
6	Electrical Machines Lab	IIT Kharagpur
7	Basic Electrical Circuits Lab	IIT Bombay
8	Analog Electronics Lab	IIT Roorkee
9	Digital Electronics Lab	IIT Kharagpur
10	Python Programming Lab	IIT Madras

It is approved by BoS members and submitted to Academic Council for further approval

VII. Introduction of new courses

Discussion/Suggestion:

- Members suggested to focus on current trends in Mechatronics Engineering which will be useful for placement, higher studies and entrepreneurship.

	VI. Internship details of students (2nd, 3rd & 4th Year) BoS members suggested that students shall undergo internship from 3rd semester onwards offered by core companies during summer and winter vacations. 12 students from 4th year and 4 students from 3rd year were undergone the internship during ODD Semester of 2025-26 academic year. Submitted for the approval in Academic Council for further approval
8.	**Stake holders feedback and action taken** For the 28th BoS Meeting, the suggestions given by the stakeholders are incorporated in the R2022 syllabi for the courses **61 MC 404-Hydraulic and Pneumatic Control** and **61 MC 302 Sensors and Instrumentation** were discussed in the meeting and approved by the BoS members the feedbacks are given by Mr. T. Kumar, Lead Mechanical Engineer, KK Wind Solutions (P) Limited, Bengaluru -, **61 MC 404-Hydraulic and Pneumatic Control** Course, IoT based pneumatic circuit experiment may be replaced with Electro-Pneumatic Circuit Experiment, Mr. P. Dinesh Babu, Associate Professor, School of Mechanical Engineering, SASTRA Deemed University - **61 MC 302 Sensors and Instrumentation** course, the 10 number of experiments in the integrated course may be reduced to 5 experiments **Action Taken:** - Based on the suggestion from stake holder, the contents of course were revised and approved by BoS members and submitted to Academic Council for further approval
9.	**Suggestions from IQAC** The following suggestions were given by IQAC: - Introduce courses related to Sustainability Development. **Action Taken:** 70 MC E62 Sustainable and Green Transportation Systems, 70 MC E22 Electric and Hybrid Vehicle Technologies, 70 MC E32 Battery Management Systems courses are introduced in R2026 curriculum related to Sustainability Development. - Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken:** In accordance with the BoS recommendation, senior academicians, industry experts, distinguished alumni, and representatives from MoU-signed organizations will be involved in the syllabus framing process to strengthen research quality, improve relevance, and enhance employability outcomes
10.	**Any other matters** **Suggestion on Examination Reforms (Question Paper Reforms - Internal and End Semester Examination)** - The examination pattern shall be followed as per the directions of the Head of the Institute, as it is common to all branches. - Course exemption for students holding NCC 'B' Certificate in the Air Wing or Army Wing was discussed with the BoS members.

S.No	Course Code	Course Name	L	T	P	C	Semester	No. of Students
1	60 MC E55	Rapid Prototyping	3	-	-	3	VIII	3

Action Taken:
The BoS members approved that students holding an NCC 'B' Certificate (Air Wing or Army Wing) shall be granted exemption for one Professional Elective or Open Elective course in the R2022 curriculum. The proposal has been submitted to the Academic Council for further approval.

27/1/26 29/1/26

BoS Chairman **Dean - Academics** **Dean - Admin** **Principal**

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637 215
(An Autonomous Institution, Affiliated to Anna University Chennai)

Department of Electrical and Electronics Engineering

29th BOS Meeting Attendance

Date: 15.12.2025

S. No	Name	Representation	Signature
1.	Dr.G.Vijaya Gowri	Chairman, Professor & Head, Department of EEE, K.S.Rangasamy College of Technology Tiruchengode-637215 Namakkal District Tamil Nadu Mail ID : hodeee@ksrct.ac.in Mobile No: 9080581485	
2.	Dr.V. Sankaranarayanan	University Nominee, Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli – 620 015 Mail ID: vsankar@nitt.edu Mobile No: 94876 27002	
3.	Dr.S.Thangavel	External Subject Expert, Dean (Academics), Professor, Department of EEE, NIT, Thiruvettakudi, Karaikal, Puducherry – 609 609 Mail ID: Thangavel.s@nitpy.ac.in Mobile No:9443676688	
4.	Dr.N.P.Subramaniam	External Subject Expert, Associate Professor, Department of EEE, Puducherry Technological University, Puducherry Mail ID: npsubbu@ptuniv.edu.in Mobile No:9486441444	N.P. 15/12/2025
5.	Dr.K.Udhayakumar	Alumni, Professor, Department of EEE, Anna University, Chennai E-Mail: k_udhayakumar@annauniv.edu Mobile: 9940356662	15/12/25
6.	Er. Kalaiyarasan K	Industry Expert, Lead Commissioning Engineer, H&MV Engineering Company, Bangalore, Mail ID: k.kalaiyarasan@gmail.com, Mobile No: 9791915762	15/12/2025
7.	Dr.M.K.Elango	BoS Coordinator, Professor, Department of EEE E-Mail: elango@ksrct.ac.in Mobile: 9952493666	15/12/25

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637 215
(An Autonomous Institution, Affiliated to Anna University Chennai)

Department of Electrical and Electronics Engineering

29th BOS Meeting Attendance

Date: 15.12.2025

S. No	Name	Representation	Signature
8.	Dr.T.Venkatesan	Module Coordinator, Professor, Department of EEE E-Mail: venkatesan@ksrct.ac.in Mobile: 9942012455	15/12/25
9.	Dr.P.Aravindan	Senior Facutly, Professor, Department of EEE E-Mail: aravindan@ksrct.ac.in Mobile: 9952425269	15/12/25
10.	Dr.R.Balamurugan	Module Coordinator, Associate Professor, Department of EEE E-Mail: balamurugan@ksrct.ac.in Mobile: 9790031900	15/12/25
11.	Mr.S.Srinivasan	Senior Facutly, Assistant Professor, Department of EEE E-Mail: srinivasan@ksrct.ac.in Mobile: 9994143687	15/12/25
12.	Ms.N.Kayalvizhi	Assistant Professor, Department of EEE E-Mail: kayalvizhi@ksrct.ac.in Mobile: 9994547837	15-12-25
13.	Mr.N.Rajasekaran	Assistant Professor, Department of EEE E-Mail: rajasekaran.n@ksrct.ac.in Mobile: 8056975723	15/12/25

15/12/2025

BoS Chairman

Chairman
Board of Studies
Department of Electrical and Electronics Engineering
K.S.Rangasamy College of Technology
Tiruchengode - 637 215, Namakkal-Dt

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE- 637 215
(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)
Minutes of the Board of Studies Meeting
Department of Electrical and Electronics Engineering (UG & PG)

	BoS Meeting No: 29		Date: 15.12.2025			Venue: HoD Chamber, Dept of EEE	
S. No.	**Agenda**	**Name & Nominee**	**Discussions / Suggestions**	**Action to be Taken**	**Responsibility**	**Target**	**Remarks**
1.	**Curriculum of UG programme (R2026)**	Dr. V. Sankaranarayanan University Nominee	Draft Curriculum of R2026 were presented and the following changes to be made based on the suggestion given by members **Suggestion given:** **Electrical Machines I** & **Electrical Machines II** courses may be offered as two separate courses	Curriculum updated with two separate courses.	Module Coordinator & BoS Chairman	Immediate	Submitted for the approval of Academic Council
			Electrical Machines I and **Electrical Machines II** courses may be renamed with the name of specific machines	Name of the courses specified in the curriculum are **DC Machines and Transformers** which is placed in III Semester and **Induction and Synchronous Machines** course is placed in IV Semester			
			Electrical Machine Design Course may be changed to Professional Elective	Electrical Machine Design course is offered as Professional Elective			
			Digital Logic Circuit Design and **Linear Integrated Circuits courses** may be in separate semester	**Digital Logic Circuit Design** course is placed in III Semester and **Linear Integrated Circuits and its applications** course is placed in IV Semester			
			Signals and Systems course may be introduced as Professional Core and **Digital Signal Process** may be shifted to Professional Electives	**Signals and Systems** course is introduced in IV Semester and **Digital Signal Process** course is placed in Professional Elective			

		Dr. S. Thangavel Subject Expert	**Electrical System Design Laboratory** may be taught as Integrated course and name be changed as Power System Simulation Lab	**Electrical System Design Laboratory** Experiments will be included to **Power System Operation and Control course** and its structure is modified as Integrated course.	Module Coordinator & BoS Chairman	31.03.2026	Submitted for the approval of Academic Council
			Artificial Intelligence Course may be offered as Professional Elective	**Artificial Intelligence** Course is included in Professional Electives group	BoS Chairman	31.03.2026	
		Er. K. Kalaiyarasan Industry Expert	**Embedded Systems** and **VLSI** course may be taught as single course	Important topics and techniques on **VLSI** course will be considered while preparing syllabus content of **Embedded Systems** course			
		Dr. K. Udhayakumar Alumni	Industry Supported courses may be improved for betterment of curriculum	Suitable Industry to be identified for Industry supported course	BoS Chairman	31.03.2026	
		Dr. N. P. Subramaniam Subject Expert	LabVIEW need not be mentioned in the open elective course title and may be titled as Graphical System Interface using Virtual Instrumentation	Course name is changed as **Graphical System Interface Using Virtual Instrumentation** for R2026 open elective course	BoS Chairman	Immediate	
2.	**Revision in the Curriculum and Syllabi of I to VIII semester (R2022) of UG Programmes**	Dr. S. Thangavel Subject Expert Er. K. Kalaiyarasan Industry Expert Dr. K. Udhayakumar Alumni Dr. V. Sankaranarayanan University Nominee Dr. N. P.	The below listed VIII semester Professional elective courses are lab component integrated courses. The experiments included in the syllabus of these courses are 10 and it will be difficult to roll out the course effectively. Approval is requested to make it as 5 and finalize the syllabus for these courses **i. 60EEE51 – Hybrid Energy Technology** **ii. 60EEE52 – IoT for Industrial Automation** **iii. 60EEE53 – Restructured**	10 Experiments modified to 5 Experiments in Professional Elective Courses	BoS Chairman and Module Coordinator	Immediate	Submitted for the approval of Academic Council

		Subramaniam Subject Expert	**Power Market** **iv. 60EEE54 – Control of Power Electronic Circuits** **v. 60EEE55 – Embedded Control for Electrical Drives** **vi. 60EEE56 - Virtual Instrumentation System** vii. **60EEE57 – Design of Electric Vehicle Charging System**				

3.

Curriculum and Syllabi for Minor and Honour Degree programmes (R2022 & R2026)

The proposed Curriculum and Syllabi for Honour / Minor Degree programmes (R2022 & R2026) were presented by BoS Chairman.

Suggestions:

Students can opt any 6 additional Courses (Elective courses and Self-learning courses) for a total credit of 18 in R2022 and R2026 for Honor and Minor Degree.

Action taken

The proposed curriculum and syllabi for the Honour Degree programmes (R2022 & R2026), presented by the BoS Chairman, were passed in the meeting and submitted for approval in the Academic Council meeting.

4.

List of open elective courses and value-added courses offered in 2025-2026 (Odd Semester) and planned to offer in 2025-2026 (Even Semester)

Open Electives offered:

S. No.	Course Code	Course name	# students
1	60EEL04	Sensor Technology	65

Open Elective planned to offer:

S. No.	Course Code	Course name
1	60EEL03	Electric Vehicle Technology
2	60EEL02	Graphical System Interface using LabVIEW

Value added courses planned to offer:

S. No.	Course name	# Hours
1	Introduction to MATLAB	30
2	Advanced Circuit Board Repair and Services	30
3	Python for Data Science	30
4	PCB Design and IoT	30

List of open electives and respective Syllabi were presented

	Dr. N. P. Subramaniam suggested to modify the value-added course name as Programming in MATLAB / Introduction to MATLAB instead of Fundamentals of MATLAB. Dr. V Sankaranarayanan (University Nominee), Dr. S. Thangavel (Subject Expert) & Dr.K. Kalaiyarasan (Industry Expert) appreciated the list of open elective Courses **Action taken** Value added course name is changed to Introduction to MATLAB and submitted for the approval in Academic Council Meeting.
5	**Discussion on proposed Curriculum for UG (I to VIII Semesters, R 2026)**
I	**Total No. of credits for the UG programme** Total No. of credits for the UG programme is 164 BoS Committee approved and submitted to academic council for further approval
II	**Curriculum for I to VIII semester Courses (R2026) and Recommendations Suggestions By Members:** • While merging laboratory component with theory, both practical and theory part may be given equal weightage for electronics based courses • Capstone Project must be a higher level/standard project. Policy to be framed for doing capstone project and extra care to be given while allocating capstone project to students • All credits earned by the students may be considered for CGPA without being offered as course with additional credit R2026 curriculum • Chance may be given for students to do VII sem courses in VI sem or V sem alone • Fractional credits may be rounded • Tutorial hours and the contact hours are not same and should be ensured. • In addition, members appreciated that the curriculum framed meets out the syllabus for GATE examination and the courses are so planned to include either practical component in the theory course or to have separate practical course with optimum credits **Action Taken** Based on the above suggestions from the BoS members, the modifications have been made, and it is submitted to the Academic Council for approval.
III	**Curriculum and syllabi to support progression to higher education, career guidance, startups & entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).** Dr. V Sankaranarayanan, (University Nominee), Dr. S. Thangavel (Subject Expert) , Dr.N.P. Subramaniam (Subject Expert) & Dr. K. Udhayakumar (Alumni) appreciated that, the Curriculum and Syllabus support the progression to higher education, career guidance, startups; entrepreneurship; cross cutting issues and Sustainable Development Goals (SDGs). BoS Committee approved the same and it is submitted to the Academic Council for approval.
IV	**Curriculum meeting the requirements of NEP 2020** External Members appreciated that, the Open Electives, Language Electives, Minor/Honor Degree, NSS/NCC & Additional Credits of the proposed curriculum and regulation satisfies the requirement of NEP 2020. BoS Committee approved the same and it is submitted to the Academic Council for approval.
V	**Curriculum & Syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills** Dr. K. Udhayakumar (Alumni), Dr.N.P. Subramaniam (Subject Expert), Dr. V Sankaranarayanan, (University Nominee) appreciated that the Department Curriculum and Syllabus supports the student involvement in innovative, design, critical thinking abilities and their problem-solving skills and insisted to give more practical exposure to the students. BoS Committee approved the same and it is submitted to the Academic Council for approval.
VI	**Incorporation of Virtual Laboratory & Industry sponsored/supported courses and laboratories.** The following courses are identified for virtual laboratory for teaching learning process.

S. No.	Course Code	Course Name	Offered by
1	61EE2P1	Electric Circuit Analysis	IIT Kharagpur
2	61EE4P1	Electrical Machines – II	IIT Guwahati

BoS Committee approved and submitted to academic council for further approval.

VII **Introduction of new courses**

- AI Courses may be included in Professional Elective
- Deep Learning Courses and Machine Learning Courses may be given as Professional Elective

Action Taken

BoS Committee approved and submitted to academic council for further approval

6. **Discussion on Choice Based Credit System**

I **Self-study courses SWAYAM / NPTEL / MOOC courses offered in 2025-26 (Odd Semester) and planned to offer in 2025-26 (Even Semester)**

NPTEL Courses Completed in 2025 -26 Odd Semester:

S.No.	Name of the Courses	# of Weeks	# students
1	Automation in Manufacturing	12	3
2	Introduction to Industry 4.0 and Industrial Internet of Things	12	64
3	Introduction to Internet of Things	12	1
4	Privacy and Security in Online Social Media	12	36
5	The Joy of Computing using Python	12	3

NPTEL Courses planned in 2025 -26 Even Semester:

S.No.	Name of the Courses	# of Weeks
1	Principles of Digital Communication	12
2	Fuzzy Sets, Logic and Systems & Applications	12
3	Industrial Automation and Control	12
4	Power System Dynamics, Control and Monitoring	12
5	Design and Analysis of VLSI Subsystems	12
6	Introduction to Industry 4.0 and Industrial Internet of Things	12
7	Introduction to Internet of Things	12
8	Cloud Computing	12
9	The Joy of Computing using Python	12

Dr. V Sankaranarayanan, (University Nominee) Dr. S. Thangavel (Subject Expert), Dr.K. Kalaiyarasan (Industry Expert) & Dr. K. Udhayakumar (Alumni)

approved the list of NPTEL courses to be offered in even Semester and it is submitted for the Academic Council for further approval.

II

One credit course offered in 2025-2026 (Odd Semester) and planned to offer in 2025-26 (Even Semester)

One credit course offered in 25-26 Odd semester:

S.No.	Course Code & Name of the Course	Name of the Company	# of Students completed
1.	60 EC SE01 - ASIC System Design and Verification	Tessolve Semiconductors, Bangalore	05
2.	60 EC SE08 -Programming Embedded Systems	Gen4 Manufacturing Private Limited Chennai	02
3.	60 EC SE07 - Machine Learning with MATLAB	ARK InfoSolution Pvt Ltd, Chennai.	28
4.	60 EE SE05 - Data Acquisition and Control using LabVIEW	Mindnics, Erode.	32

One credit course Planned to offer in 25-26 Odd semester

1. Revit MEP
2. Electrical CAD
3. LoRA WAN Network Architecture in IoT

Dr. V Sankaranarayanan, (University Nominee) Dr. N.P. Subramaniam (Subject Expert), Dr.K. Kalaiyarasan (Industry Expert) & Dr. K. Udhayakumar (Subject Expert) approved the one credit course to be offered in even semester and it is submitted for the Academic Council for further approval.

III

Skill based courses offered in 2025-26(Odd semester) and planned to offer 2025-26 (Even Semester)

Skill Based courses planned to be offered in 2025-26 Even Semester:

S. No.	Course name	# hours
1	Yoga	30

Dr. S. Thangavel (Subject Expert), Dr.K. Kalaiyarasan (Industry Expert) & Dr. K. Udhayakumar (Subject Expert) approved the list of Skill Based courses to be offered in even semester and it is submitted for the Academic Council for further approval.

IV

International Certification completed in 2025-26 (Odd semester) and identification of certifications for the forthcoming semesters

International Certification courses are not yet completed by any students. Students may take the international certifications in the forth coming semester.

Dr. V Sankaranarayanan, (University Nominee), Dr. N.P. Subramaniam (Subject Expert), Dr.K. Kalaiyarasan (Industry Expert) & Dr. K. Udhayakumar (Alumni) suggested to motivate the students to do CLAD Examination, Software related courses and to take-up any foreign languages for International certification. BoS Committee approved the same and it is submitted to the Academic Council for approval.

V

Roll out of laboratories classes to encourage students to participate in Design Contests, Hackathon, Ideathon, and similar activities.

Roll out of laboratories classes to make students to participate in Design contest is identified the following course:

1. 60 EE 4P2 - Linear and Digital Integrated Circuits Laboratory – Hackathon
2. 60 EE 6P2 - Electrical Appliances Analysis Laboratory
   Students can choose any circuits/logic/applications given in each experiment or bring circuits/logic/applications of their choice suitable to the given experiment.

Dr. S. Thangavel (Subject Expert), Dr.K. Kalaiyarasan (Industry Expert) & Dr. K. Udhayakumar (Alumni) approved and it is submitted for the Academic Council for further approval.

VI	**Evaluation pattern for Integrated courses, Project based & System based courses** Dr. S. Thangavel (Subject Expert), Dr.K. Kalaiyarasan (Industry Expert) & Dr. K. Udhayakumar (Subject Expert) suggested to follow the same assessment pattern for the integrated courses.
VII	**Internship details of students (2nd, 3rd & 4th Year)** Internship for Students in 25 – 26 Odd semester (2nd, 3rd & 4th Year): 18, 8 & 3 The number of internships undergone internship till date: 2nd Year – 18, 3rd Year – 25 & 4th Year - 63 All members appreciated and suggested to follow the mandatory internship policy and satisfy the requirements as per AU norms.
7.	**Stake holders feedback and action taken** • Er. L S Srinivasan Asst. Mgr. Service Executive, EMR Tap Changers PVT Ltd 612, CTH Rd, Thiruninravur, Chennai, – The Proposed R2026 Curriculum structure emphasises: Industry-relevant, future-ready topics such as sustainable energy, IoT, power systems, embedded systems, and electric vehicle technology. • Er. Boopathi Sivakumar, Managing Director & CEO, CURRENT ELECTRO MECH PRIVATE LIMITED, - Suggested that, In R2026 EEE Curriculum: Vertical 1: Electrical Engineering: Electrical Machine design: Include a dedicated module or elective vertical focused on Electric Motor and Generator Manufacturing, Service, and Refurbishment Technologies, with practical emphasis on coil winding and assembly. In the Electrical Vehicle Verticals **Action Taken** Based on the above suggestions from stakeholders, the syllabi will be framed and submitted to academic council for approval.
8.	**Suggestions from IQAC** • Introduce courses related to Sustainability Development **Action Taken** The Course on Environmental Science and Sustainability is offered in the Curriculum R2026 • Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken** It is already being in practice in R2022. Steps are taken to increase the partial delivery of courses through Guest Lectures by Alumni and one credit courses by Industry persons and MoU – signed organizations to make the students industry ready
9.	**Any other matters** Nil

Chairman BoS / EEE

Chairman
Board of Studies
Department of Electrical and Electronics Engineering
K.S.Rangasamy College of Technology
Tiruchengode - 637 215. Namakkal

Dean Academic

Dean Administration

Principal

Annexure - I

K.S. RANGASAMYCOLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637215

(Autonomous Institution Affiliated to Anna University, Chennai)

DEPARTMENT OF ECE

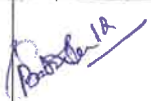
MEMBERS OF BOARD OF STUDIES (BOS) MEETING - 29

(Period: DECEMBER 2025)

Date: 20.12.2025 **Time: 10.00 AM**

Venue: ECE Board Room (Hybrid mode)

Meeting link:
29th BoS Meeting | Meeting-Join | Microsoft Teams

Department	Electronics and Communication Engineering (UG & PG)		
Programme & Duration	B.E (Electronics & Communication), 4 years, M.E (VLSI Design), 2 years		
Sl. No.	**Name, Designation & Address**	**Position**	**Signature**
1.	Dr.C.Rajasekaran Professor / ECE K.S.Rangasamy College of Technology.	Chairman	
2.	Dr.P.Palanisamy Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli - 620 015.	Member- Subject Expert (Nominated by Anna University	
3.	Dr.Ashok Rao Former Head, Network Project, CEDT, IISc, Bengaluru.	Member- Subject Expert (Nominated by Academic Council)	
4.	Dr. P.T. Vanathi Retired Professor, Department of ECE, PSG College of Technology, Coimbatore- 641004.	Member- Subject Expert (Nominated by Academic Council)	-ABSENT-
5.	Mr.Balakumar Chinnusamy Sr. Vice President - HR VVDN Technologies Pollachi - 642 001.	Member-Industry Expert (Nominated by the Principal)	-ABSENT-
6.	Mr.S.Babu Ramki ASIC Engineer, Design Verification Facebook India Online Services Pvt. Ltd. Bengaluru - 560 071.	Member-Alumni (Nominated by the Principal)	

7.	Dr.K.B.Jayanthi Professor and Dean Academics / ECE K.S.Rangasamy College of Technology	Member	
8.	Dr.P.Babu Professor/ECE	Member	
9.	Dr.T.Baranidharan Professor/ECE	Member	
10.	Dr.D.Mugilan Assistant Professor/ECE	Member	
11.	Mrs.S.S.Thamilselvi Assistant Professor/ECE	Member	
12.	Ms.C.Saraswathy Assistant Professor/ECE	Member	
13.	Mrs.K.Vanitha Assistant Professor/ECE	Member	
14.	Mrs.M.Devaki Assistant Professor/ECE	Member	
15.	Mr.S.Saravanan Assistant Professor/ECE	Member	
16.	Mrs.V.P.Kalaiyarasi Assistant Professor/ECE	Member	
17.	Kiruthika.V Student/IV year ECE	Member	
18.	Sakthivel.S Student/III year ECE	Member	

BoS Chairman

K. S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637 215

(Autonomous)

AGENDA for BoS Meeting

2025 – 2026 (ODD SEMESTER)

Name of the Body	Board of Studies (BoS) Electronics and Communication Engineering - UG and PG
Meeting No	29
Date & Time	20.12.2025 & 10.00AM
Venue	ECE meeting Hall (Hybrid mode)
Meeting link	29th BoS Meeting | Meeting-Join | Microsoft Teams

The list of members attended the meeting is given in **Annexure - I.** The Agenda discussed is given below:

S.No.	ITEMS
1.	Curriculum of R2026 B.E. ECE and Curriculum and syllabi of R2025 M.E. VLSI Design
2.	Revision in the Curriculum and Syllabi of I to VIII semester R2022
3.	Curriculum and Syllabi for Minor and Honour Degree programmes R2022, R2026
4.	List of open elective courses and value-added courses offered in 2025-26 (ODD Semester) and planned to offer in 2025-26 (Even semester)
5.	Discussion on Proposed Curriculum of I to VIII semesters for R 2026 (UG) and I to IV Semester for R 2025 (PG) I. Total no. of credits for the UG programme II. Review of curriculum for I to VIII Semester courses (R2026) and Recommendations III. Review of curriculum for I to IV Semester courses (R2025) and Recommendations IV. Curriculum and syllabi to support progression to higher education, career guidance and Start-ups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs) V. Curriculum meeting the requirements of NEP 2020 VI. Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and problem-solving skills VII. Incorporation of Virtual Laboratory & Industry sponsored/supported courses and Laboratories VIII. Introduction of New courses
6.	Discussion on Choice Based Credit System I. Self-study courses SWAYAM/NPTEL/MOOC courses offered in 2025-26 (ODD semester) and planned to offer in 2025-26 (Even semester) II. One credit course offered in 2025-26 (ODD semester) and planned to offer in 2025-26 (Even semester) III. Skill based courses offered in 2025-26 (ODD semester) and planned to offer in 2025-26 (Even semester) IV. International Certification completed in 2025-26 (ODD semester) and identification of certifications for the forthcoming semesters 2025-26 (Even Semester) V. Roll out of laboratories classes to encourage students to participate in Design Contests, Hackathon and Ideathon, and similar events. VI. Evaluation plan for integrated courses, Project based & System Based Courses VII. Internship details of Students (2^{nd}, 3^{rd} & 4^{th} Year)
7.	Stake holders feedback and action taken report
8.	Suggestion from IQAC
9.	Any other matters • Suggestions on Examination Reforms (Question Paper Pattern – Internal and End Semester Examination, etc.,) • Suggestions and permission to start new programmes in thrust area

Minutes of the Board of Studies Meeting
Department of ECE

	BoS Meeting No:29			Date: 20.12.2025		Venue:	ECE meeting Hall (Hybrid mode)
S.No.	**Agenda**	**Name & Nominee**	**Discussions / Suggestions**	**Action to be Taken**	**Responsibility**	**Target**	**Remarks**
The BoS Chairman welcomed all the members for the meeting. The items listed in the agenda are taken for discussion one by one. Rough draft of I to VIII semester curriculum of R2026 and Curriculum and Syllabi of PG programme R2025 are prepared with the inputs received from different stakeholders and referring the other Universities. The same is presented for discussion in the meeting. The minutes of the meeting are as follows:							
1a.	**Curriculum of I and VIII Semester R2026 of UG**	Dr.Ashok Rao (Subject Expert)	**Semester I** ➢ Suggested to identify the gaps and **address only the gaps** in **'Induction programme'**.	The suggestion is submitted for further processing.	BoS Chairman	Aug 2026	Submitted to the academic council for further approval
		Dr. P. Palanisamy (University Nominee)	➢ Mandatory courses should be brought inside the CGPA calculation.	The suggestion is submitted to the Head of the Institution for further processing.	BoS Chairman	-	-
		Dr.Ashok Rao (Subject Expert)	**Semester III** ➢ Suggested to include the concept **large scale devices** along with the **tool (Verilog/HDL)** in the course **'Digital System Design'**.	➢ The topic **large scale devices** is included.	BoS Chairman and Module Coordinator	Immediate	Submitted to the academic council for further approval
		Dr. P. Palanisamy (University Nominee)	➢ All **laboratories** may be given **uniform credits**.	➢ Curriculum is revised accordingly.	BoS Chairman	May 2026	Submitted to the academic council for further approval
		Dr.Ashok Rao (Subject Expert)	**Semester IV** ➢ Suggested to include the higher level contents like **ARM Embedded and ARM AI** in the course **Microcontrollers** and rename the course as **ARM Microcontrollers**.	➢ The course is renamed as **'ARM Microcontrollers'** and contents such as **ARM Embedded and ARM AI** are added.	BoS Chairman and Module Coordinator	Immediate	Submitted to the academic council for further approval

		Dr.Ashok Rao (Subject Expert)	➢ Suggested to have **analog control systems** in the first three modules. ➢ Recommended to include **digital and implementation** in the next two modules and the concepts on **PI, PID and PE controllers in the 5th module** in the course **Control Systems**.	➢ Suggestion is considered and the course is updated accordingly with the contents of **analog and digital control systems** in the course **Control Systems.**	Module Coordinator	Immediate	Submitted to the academic council for further approval
		Dr.Ashok Rao (Subject Expert)	**Semester V** ➢ Suggested to include the concept on **Adaptive Filters and Active Filters** in module V in the course **Digital Signal Processing**.	➢ Suggestion is accepted and the concept on **Adaptive Filters and Active Filters** are included in the syllabus of the course **Digital Signal Processing**.	Module Coordinator	Immediate	Submitted to the academic council for further approval
		Dr.Ashok Rao (Subject Expert)	**Semester VI** ➢ Recommended to include three modules of **Deep Learning along with Laboratory contents** in the course **Machine Learning Techniques.**	➢ **Deep Learning along with Laboratory contents** are included in the course **Machine Learning Techniques.**	Module Coordinator	Immediate	Submitted to the academic council for further approval
		Mr.S. Babu Ramki (Alumni Representative)	➢ Insisted to offer the course **Professional Ethics**. ➢ The concepts such as **Machine Learning/Deep Learning/LLMs** may be included in the course **Artificial Intelligence**.	➢ The course **Universal Human Values** is offered in Regulation 2026 curriculum as Professional Ethics course. ➢ The course is offered with the concepts such as **Machine Learning/Deep Learning/LLMs**.	BoS Chairman Module Coordinator	Immediate	Submitted to the academic council for further approval

			➢ **German language** may be included in the language elective.	➢ **The suggestion on German language** course is submitted to Head of the Institution for further processing.	BoS Chairman	-	-
		Dr. P. Palanisamy (University Nominee)	➢ **Study of device characteristics in each Laboratory** may be included.	➢ It is decided to include the same in suitable laboratory courses.	Module Coordinator	Immediate	Submitted to the academic council for further approval
			➢ **Internship** should be brought within CGPA Calculation.	➢ The suggestion is submitted to the Head of the Institution for further processing.	BoS Chairman	-	-
1b	**Syllabus of I and II Semester R2026 of UG**	Dr. Ashok Rao (Subject Expert)	**Course Code & Name: 26 EC0101T - Electronic Devices** ➢ Suggested to introduce **Power electronic devices** in module 4. ➢ **Combine module I and II** in to one and offer as module I. ➢ Introduce **E-motors, advanced physical engineering, batteries, Power controllers** ➢ Expand the module V into two modules by introducing the above concepts. ➢ Include **inverter, converters and PWM converters** in module V and also **battery management.**	➢ Suggestions are considered and the course **26 EC0101T - Electronic Devices.** is reframed accordingly.	Module Coordinator	Immediate	Submitted to the academic council for further approval
1b.	**Curriculum of Syllabus of R2025(PG)**		➢ There are no changes in the PG curriculum and syllabus of R2025.	-	-	-	-
2.	**Revision in the Curriculum and Syllabi of I to VIII semester R2022**	ALL BoS members	➢ The following **new courses** are introduced in the curriculum and syllabus of R2022 for the placement	All BoS members approved the three courses.	BoS Chairman and Module Coordinator	Immediate	Submitted to the academic council for further approval

			purpose. 1. **60 EC E28 - ASIC Synthesis and Static Timing Analysis with** L-T-P-C → 1-0-4-3. The BoS members suggested that the **full Physical Design may be considered** while handling the course. 2. **60 EC L07 - Introduction to FPGA-Based Digital System Design** with L-T-P-C → 1-0-4-3. 3. **60 EC L08 - Introduction to RISC-V Architecture and FPGA Design** with L-T-P-C → 1-0-4-3. **The following mandatory course is offered.** ➢ 60 MY 004 - Disaster Management with L-T-P-C →2-0-0-0 in the 6th semester of 2023-24, 2024-25 and 2025-26 admitted batches.	➢ As it is the industry supported course and the BoS members suggestion is forwarded to industry, VLSI Mentors. The industry person assured that the suggestion is taken and course will be delivered to the students considering the **full Physical Design.**			
3.	**Curriculum and syllabi for Minor and Honours degree programme in R2026).**	Dr. Ashok Rao (Subject Expert)	**Honors Degree** ➢ Suggested to include the concept on adaptive filters in the course **Advanced Digital Signal Processing.** ➢ The course **Digital Speech Processing** may be removed from elective group.	➢ The concept on adaptive filters is included in the course **Advanced Digital Signal Processing.** ➢ The course **Digital Speech Processing** is removed.	BoS Chairman and Module Coordinator	Immediate	Submitted to the academic council for further approval

4. List of open elective courses and value-added courses offered in 2025-26 (ODD Semester) and planned to offer in 2025-26 (Even semester)

Open Elective Courses				
Offered			Planned	
S.No.	Name of the course	No.of Students	S.No.	Name of the course
1.	60 EC L01 – Internet of Things	28	1.	60 EC L01 – Internet of Things
			2.	60 EC L02 - Wearable Devices

Value added Courses					
Offered				Planned	
S.No.	Name of the course	No. of Hours	No. of Students	S.No.	Name of the course
1.	PCB Design and Fabrication	30	42	1.	MATLAB for Communication Systems: Simulation and Analysis
2.	Graphical Programming with LabVIEW	30	33	2.	LabVIEW Fundamentals and Application Development
3.	Cloud Computing with Microsoft Azure Fundamentals (AZ-900)	30	34	3.	Complete ASIC Design Flow: A Hands-On Approach
4.	MATLAB and Simulink: A Unified Approach to Simulation and Programming	30	23	4.	IoT Applications Development using STM32 and MOTT Protocols
				5.	Physical Design in VLSI Concepts and Applications

List of open elective courses in R2026

S.No.	Course Title	Contact Periods	L	T	P	C
1.	Internet of Things	5	1	0	4	3
2.	Wearable Devices	3	3	0	0	3
3.	Principles of Modern Communication Systems	3	3	0	0	3
4.	Microcontroller Programming	3	3	0	0	3
5.	5G Communications and MIMO	3	3	0	0	3
6.	Mobile Robotics	3	3	0	0	3
7.	Industrial Electronics	3	3	0	0	3

The members suggested the following points for the open elective courses of R2026

- **5G communication and MIMO** may be removed.
- Courses on **Sensor and Microcontroller applications** may be offered.
- All open elective courses may be offered as **Lab based courses.**
- **Embedded AI (Tiny ML, Raspberry Pi)** may be included.

The suggestions are considered and the course on Sensor and Microcontroller applications with L-T-P-C → 3-0-0-3 is offered instead of 5G communication and MIMO where the concepts on Embedded AI is emphasized with Tiny ML, Raspberry Pi. The suggestion on Lab based courses is considered, the discussion is being done and will be done while finalizing the curriculum of R2026.

5a. Discussion on Proposed Curriculum for UG (I to VIII semesters, R2026) programme

I. **Total No. of credits for the UG programme** -164

II. **Review of curriculum for I to VIII semester Courses (R2026) and Recommendations**

The proposed curriculum of I to VIII Semesters for R2026 (UG) is reviewed and finalized according to the suggestions given by BoS Members.

III. **Curriculum and syllabi to support progression to higher education, career guidance, Startups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs)**

Higher Education (%)	Career Guidance (%)	Entrepreneurship (%)
31.7 (GATE courses)	93.29 (Core and open electives) + CSD	15.8

IV. **Curriculum meeting the requirements of NEP 2020**

The following courses are offered for students in order to meet the requirements of NEP 2020

- Components of Curriculum includes the various courses under Humanities and Social Sciences including Management Courses, Basic Science Courses, Engineering Science Courses, Professional Core Courses, Professional Elective Courses, General Elective Courses, Open Elective Courses, Career Guidance Courses and Mandatory Courses according the requirement of UGC.
- Multidisciplinary courses are offered under Open elective courses
- Skill Enhancement Courses (SEC) are offered under CSD (Carrier Skill Development from semester II to VI)
- Value Added Courses and One credit courses are offered
- Curriculum includes Summer Internship for mandatory 6 weeks with additional credits
- Curriculum includes Research Project / Dissertation such as Project phase I & II and Research Skill Development (Audit course)
- The department integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values and Environment and Sustainability into the Curriculum through the courses such as Universal Human Values and Environmental Science and Sustainability.

V. **Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills**

Design Thinking (%)	Critical Thinking Skills (%)	Problem Solving Ability (%)
20 (ALL CORE LABS)	54 (question paper based)	26 (Tutorial courses)

VI. **Incorporation of Virtual Laboratory & Industry sponsored/supported courses and laboratories**

a) **Virtual Laboratory**

Name of Course with Code	Semester	L	T	P	C	Name of Institution / Open Source Tools
60 EC 402 - Linear Integrated Circuits	IV	3	0	0	3	IIT Roorkee - Analog Electronics lab
60 EC 401 - Signals and Systems	IV	2	1	0	3	Indian Institute of Technology Guwahati - Signals and Systems Laboratory
60 EC 403 - Electromagnetic Waves	IV	3	1	0	4	IIT Bombay - Virtual Electromagnetics Laboratory
60 EC 604 - Machine Learning Techniques	VI	3	0	2	4	IIIT Hyderabad - Artificial Neural Networks lab
60 EC E25 - Digital Image Processing	VI	2	0	2	3	IIIT Hyderabad - Image processing lab

b) Industry sponsored/supported courses and laboratories

Name of Course with Code	Semester	L	T	P	C	Name of Industry supporting the courses
60 EC 3P1 - Analog and Digital Electronics Laboratory	III	0	0	4	2	Tessolve Semiconductors Pvt. Ltd, Bengaluru
60 EC 5P1 - Microcontrollers Laboratory	V	0	0	3	1.5	Chatting Birds Pvt. Ltd, Hosur
60 EC 5P2 - VLSI Design Laboratory	V	0	0	2	1	VLSI Mentors, Bengaluru
60 EC 6P2 - Embedded Systems Laboratory	VI	0	0	3	1.5	Enthu Technology Solutions India Pvt. Ltd
60 EC E22 - IoT Product Development	VI	1	0	4	3	Enthu technology Solutions India Pvt Ltd, Coimbatore

VII. New courses offered in R2026

S.No.	Course Title	L	T	P	C
1.	Design Thinking (Micro Project)	0	0	2	1
2.	Electrical Engineering (Reintroduced)	2	1	0	3
3.	Foreign Language*	3	0	0	3*
4.	Electrical Engineering Laboratory (Reintroduced)	0	0	3	1.5
5.	Engineering Physics Laboratory (Separate Course)	0	0	2	1
6.	Engineering Chemistry Laboratory (Separate Course)	0	0	2	1
7.	Fabrication Laboratory – IDEA Lab – Maker Space (Micro Project)	0	0	2	1
8.	Innovation for Engineering and Technology (Micro Project)	0	0	2	1
9.	Network Theory Laboratory	0	0	3	1.5
10.	Life Skill for Engineers$ / Biology for Engineers^	1	0	0	1*
11.	Language Laboratory	0	0	2	1
12.	Linear Integrated Circuits Laboratory (Reintroduced)	0	0	2	1
13.	Mini Project	0	0	4	2
14.	Communication Laboratory (Combined - Analog and Digital Communication)	0	0	4	2
15.	Self Learning Course (MOOC / SWAYAM)*	3	0	0	3*
16.	Reverse Engineering Laboratory	0	0	4	2
1.	VLSI Testing and Design for Testability	3	0	0	3
2.	Sensors Actuators and Interface Electronics	3	0	0	3
3.	Signal Integrity	3	0	0	3
4.	Parallel and Distributed Processing	3	0	0	3

5.	PIC Microcontrollers	3	0	0	3
6.	Soft Computing	3	0	0	3

The BoS members approved the curriculum of R2026 and changes in the curriculum and syllabi of R2022. It is resolved to submit it to academic council for further approval.

5b. Discussion on Curriculum and Syllabus of PG (I to IV semesters, R2025) Programme

I. **Total no.of credits for the PG programme** – 72

II. **Review of curriculum and syllabus for I to IV Semester courses of R2025 and Recommendations**

Curriculum and syllabus of I to IV Semester for R2025 (PG) are finalized according to the suggestions given by BoS Members.

III. **New courses offered**

S.No.	Course Code	Course Name	L	T	P	C
1.	70 PVL 103	Digital IC Design	3	0	0	3
2.	70 PVL 301	Electronic Packaging	3	0	0	3
3.	70 PVL E11	System Design with FPGA	3	0	0	3
4.	70 PVL E12	Advanced Computer Architecture	3	0	0	3
5.	70 PVL E14	Machine Learning in VLSI Design	3	0	0	3
6.	70 PVL E44	Data Converters IC Design	3	0	0	3
7.	70 PVL E54	Adaptive Signal Processing	3	0	2	4

The BoS members approved the curriculum of R2025(PG) and it is submitted it to academic council for further approval.

6. Discussion on Choice Based Credit System

I. **Self-study courses SWAYAM/NPTEL/MOOC courses offered in 2025-26 (ODD semester) and planned to offer in 2025-26 (Even semester)**

Offered			
S.No.	**Name of the course**	**No. of Weeks**	**No. of Students**
1.	Cloud Computing (NPTEL)	12	120
2.	Privacy and Security in Online Social Media (NPTEL)	12	118
3.	Automation in Manufacturing (NPTEL)	12	46

Planned		
S.No.	**Name of the course**	**No. of Weeks**
1.	Human Computer Interaction (NPTEL)	12
2.	Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL)	12
3.	Infosys Springboard certification courses	12

- It is decided to offer some of the core/elective courses as self-study courses for students with CGPA>= 9.

- The list of courses is given below,

S.No.	Course Code	Course Name	L	T	P	C
1.	61 EC 601	Embedded Systems	3	0	0	3
2.	60 EC 702	Computer Networks	3	0	0	3
3.	60 EC E16	Consumer Electronics	2	0	2	3

II. **One credit courses and Skill based courses offered in 2025-26 (ODD semester) and planned to offer in 2025-26 (Even semester)**

Details of the courses				
Offered			Planned	
S.No.	Name of the course	No. of Students	S.No.	Name of the course
1.	60 EC SE01 - ASIC System Design and Verification	31	1.	60 EC SE02 & Signal Processing with MATLAB
2.	60 EC SE03 - Advanced Data Acquisition and Control	33	2.	60 EC SE04 & Smarter critical systems using STM32
3.	60 EC SE07 - Machine learning with MATLAB	31	3.	60 EC SE05 & ASIC verification using UVM Methodology
4.	60 EC SE08 - Programming Embedded Systems	24	4.	60 EC SE06 - LaRaWAN Network Architecture in IoT
			5.	60 EC SE09- PCB Design: From Schematic to Manufacturing

III. **International Certification completed in 2025-26 (ODD semester) and identification of certifications for 2025-26 (Even Semester)**

- Students are encouraged to do the International Certifications such as LabVIEW, CISCO, Mathworks, Guvi and Infosys Springboard in the forthcoming semesters. All BoS members appreciated the proposal of giving credits to the students for obtaining International Certifications and approved the same to proceed. They also felt that it would raise the standards of the students to meet the industry needs.
- Students have completed the following certification in 2025-26 ODD semester

Sl. No.	Name of International Certification	No.of students completed
1.	MATLAB onramp courses	56

IV. **Roll out of laboratories classes to encourage students to participate in Design Contests, Hackathon and Ideathon, and similar activities**

Course Code	Name of Laboratory offered in R2022	Semester	Contest
60 EC 3P1	Analog and Digital Electronics Laboratory	III	Open ended experiments are given which will enable the students to develop projects on their own. Students can choose any circuits/logic/ applications given in each experiment or bring circuits/logic/ applications of their choice suitable to the given experiment.
60 EC 4P1	Linear Integrated Circuits and Electromagnetics Laboratory	IV	
60 EC 5P1	Microcontrollers Laboratory	V	
60 EC 5P2	VLSI Laboratory	V	
60 EC 5P3	Signal Processing Laboratory	V	
60 EC 6P2	Embedded Systems Laboratory	VI	

60 EC 6P3	Digital Communication Laboratory	VI	
60 EC 7P1	RF Laboratory	VII	
60 EC 7P2	Networks Laboratory	VII	
60 EC 4P2	Electronic Design Project Laboratory	IV	Students have to design application circuits/systems using analog and digital electronic components. Circuits can be chosen from the given list of experiments but need not be confined to it.
60 EC 6P1	Innovation Engineering Laboratory	VI	Students will • Diagnose; trouble shoot and extract the circuit drawing from the given PCB. • Teardown a product from the given list or on their own to find the design information, drawing of the circuit, and power requirements. • Prepare report based on the inferences.

V. **Evaluation & course outcome plan for integrated courses, Project based Courses**

The assessment pattern for integrated courses, project-based courses are presented by BoS chairman and all the members approved the same.

VI. **Internship details of Students (2nd, 3rd & 4th Year)**

Credits will be given for students undergoing internship/doing projects in relevant industry and it is given below:

Duration of Training /Internship	Credits
2 Weeks	1
4 Weeks	2
6 Weeks and above	3

No. of Students undergone internship during 2025-26 (ODD Semester)

2022 Admitted batch – 50	2023 Admitted batch – 30	2024 Admitted batch - 06

The BoS members appreciated the incorporation of choice based credit system in the curriculum and approved the same. It is resolved to submit it to academic council for further approval.

7. **Stakeholder's feedback and action taken**

R2026 CURRICULUM

Name of the Stakeholder	Type of the stakeholder	Feedback / Suggestions	Action Taken	Target	Remarks
Dhanasekaran D	Faculty	Based on inputs from Industry experts, Alumni, Faculty, Students, Employers. Curriculum may emphasize **emerging technologies, industry-relevant tools,** and hands-on learning through updated courses, integrated labs, and **mini-projects.**	Emerging technology courses such as **AI, Industry relevant course namely IoT Product Development** is offered as a project-based course and also **two sets of Professional Elective groups** are offered as integrated courses in R2026. A separate course on **mini-project** is also offered in R2026 UG.	Immediate	Submitted to the academic council for further approval
Saraswathy C		Suggested to introduce **digital control system stability in the time domain** to align the syllabus with modern digital control applications for the course **Control Systems.**	Inputs are considered and included in the syllabus of the course **Control Systems.**	Immediate	Submitted to the academic council for further approval

Vanitha K		Syllabus is framed by referring other universities such as Anna university, AICTE Model Curriculum and Industry feedback. I would like to suggest that **offering of industry-oriented courses may be increased** to meet the industry needs.	**Two industry-oriented core courses** such as **Embedded Systems and Machine Learning Techniques** are offered in the curriculum apart from the industry supported open elective course **Internet of Things** in every semester.	Immediate	Submitted to the academic council for further approval
Bharathipandian P CISCO	Industry/Employer	**Course Name: Computer Networks** • Suggested to include industry-relevant topics such as cloud networking, AI-driven network management, and zero trust security. • Introduce Network Virtualization and NFV (Network Function Virtualization). • Add 5G Architecture and Edge Computing. • Incorporate Wi-Fi 6 and 6E standards for modern wireless LANs.	The concept **NFV** is discussed under the topic **Software Defined networking** in R2022 and also the concept **SASE** is discussed in the course Computer Networks as a content beyond the syllabus. The same will be followed in R2026 for the course **Computer Networks.**	Immediate	Submitted to the academic council for further approval
Sureshkumar R, Inovance		**Course Name: Electronic Circuits** Suggested to include • **Advanced Semiconductor Materials** • **Next-Gen Transistors** • **Industry-Standard Tools** • **IoT-Ready Circuits**	The concepts such as Advanced Semiconductor Materials and Next-Gen Transistors are included in the syllabus of the course **Electronic Circuits.**	Immediate	Submitted to the academic council for further approval
Prabhakaran Arunachalam, Delta Air Lines Inc		**Course Name: Computer Networks** Incorporating more hands-on labs, case studies, and industry-oriented tools (e.g., **packet analyzers, network simulators, and security testing tools**) would further strengthen practical skills and job readiness	We already use the tool **CISCO Packet Tracer** in the course **Networks Laboratory** in R2022. It is decided to increase the number of experiments using CISCO Packet Tracer in R2026 in the same laboratory.	Immediate	Submitted to the academic council for further approval
Prasanna Ramamurthy, Collins Aerospace (2001 passed out)	Alumni	Suggested the following. • Introduction to quantum computing • Introduction to quantum communication • Cybersecurity • Cryptography • Data analytics methods • Systems thinking and Systems Engineering	The concept on **cybersecurity and cryptography** is included in the course Computer Networks. The **data analytic methods** are included in the course Data Science and Machine Learning Techniques.	Immediate	Submitted to the academic council for further approval

Kavin M, DRDO (2021 passed out)		Suggested the following. • FPGA Design and Verification • Machine Learning for Engineers (with ECE applications) • Quantum Computing: Principles and Hardware • Technical Writing, Patent Drafting, and IP Management	➢ The concept on **FPGA Design and Verification** is included in the course **VLSI Testing and Design for Testability**. ➢ The course **Machine Learning Techniques** is offered in the curriculum in Professional core courses. ➢ The course **Research skill development** is offered in the curriculum for discussing the concepts related to **Technical Writing, Patent Drafting, and IP Management**.	Immediate	Submitted to the academic council for further approval
M. Malathi, VVDN (2022 passed out)		Product Development courses may be added	IoT Product Development is offered.	Immediate	Submitted to the academic council for further approval
Sabareesh..S, III Year ECE	Students	Suggested to increase the credits of the core elective courses to 4 from 3 for the suitable courses.	It is under discussion and will be considered while finalizing the curriculum.	Immediate	Submitted to the academic council for further approval

All the suggestions are incorporated in the R2026 curriculum and submitted for further approval. All these suggestions were presented in BoS meeting and all members welcomed the suggestions, appreciated and approved the changes incorporated.

8. Suggestions from IQAC

Sl.No.	Feedback / Suggestions	Action Taken	Target	Remarks
1.	Introduce courses related to **Sustainability Development**	The course on **Environmental Science and Sustainability** is offered in the curriculum.	Immediate	Submitted to the academic council for further approval
2.	Insisted the involvement of **senior academicians and industry experts, particularly distinguished alumni** and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes.	It is already being in practice. Steps are taken to increase the Partial delivery of courses through **guest lectures by Alumni** and **one credit courses by industry persons** and also professionals from MoU-signed organizations **to make the students industry ready.**	Immediate	Submitted to the academic council for further approval

9. **Any other matters**

Discussion on the following matters is done in the meeting and approval received from BoS members.

Sl.No.	Feedback / Suggestions	Action Taken	Target	Remarks
1.	Members suggested that **the quality of the Internal assessment tests and End semester examination** question papers has to be maintained **considering university norms.**	The quality of the question papers is **ensured by asking GATE and analytical questions** in the Internal assessments and the End semester question paper **quality is ensured through scrutinizing by domain expert** module coordinators **considering university norms.**	Immediate	Submitted to the academic council for further approval
DAB members suggestions:				
2.	Suggested to add more foreign language courses like German, Korean, French as elective in the curriculum.	Discussion is being done and it will be done while finalizing the curriculum.	Immediate	Submitted to the academic council for further approval
3.	The course **"Microcontroller"** course which may also **include the content related to microprocessor** and suggested to change of course name.	The suggestion is presented in the BoS meeting and BoS members suggested that the course may be **'ARM Microcontrollers'** as needed by the industry and **an introduction of microprocessors may be included** in the syllabus as DAB members suggested. **The syllabus of the course ARM Microcontrollers is framed with an introduction of microprocessors.**	Immediate	Submitted to the academic council for further approval
4.	**Project work has been given in the 8th semester** with credit, but being in that semester, **students will not be able to work progressively for their publications,** since they may get placed.	It was replied by the **BoS chairman that the students will be instructed to complete their project work before the commencement of 8th semester** and only the reviews/assessments/publication process will be done in the 8th semester **considering their placement.**	Immediate	Submitted to the academic council for further approval

Chairman
BoS/ECE

Dean-Academics

21/12/25
Dean-Administration

Principal

Annexure - I

K.S. RANGASAMYCOLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637215

(Autonomous Institution Affiliated to AnnaUniversity, Chennai)

DEPARTMENT OF EE(VLSIDT)

MEMBERS OF BOARD OF STUDIES (BOS) MEETING

(Period: DEC 2025)

Date :20.12.2025 **Time: 11.30 AM**

Venue: ECE Board Room (Hybrid mode)

Meeting link:

https://teams.microsoft.com/l/meetup-join/19%3a275f69696e1f4fc488d809fad6764d31%40thread.tacv2/1765877528971?context=%7b%22Tid%22%3a%22ca51afa4-43e6-4d01-9a9a-633374b0618e%22%2c%22Oid%22%3a%22f6bfd4ef-9984-42bf-99e1-6b1ee3446aeb%22%7d

Dept.	Electronics Engineering (VLSI Design and Technology) (UG)		
Programme & Duration	B.E- Electronics Engineering (VLSI Design and Technology), 4 years		
Sl.No	Name, Designation & Address	Position	Signature
1.	Dr.P.KUMAR Professor / EE(VLSIDT) K.S.Rangasamy College of Technology.	Chairman	
2.	Dr.P.Palanisamy Professor, Department of Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli - 620 015.	Member- Subject Expert (Nominated by Anna University	20.12.2025
3.	Dr.Ashok Rao Former Head, Network Project, CEDT, IISc, 165,11th Main, Saraswathipuram, Mysore -570 009, Karnataka.	Member- Subject Expert (Nominated by Academic Council)	ONLINE
4.	Dr. P.T. Vanathi Professor, Department of ECE, PSG College of Technology, Coimbatore- 641004.	Member- Subject Expert (Nominated by Academic Council)	-ABSENT-
5.	Mr.Balakumar Chinnusamy Sr. Vice President - HR VVDN Technologies Pollachi - 642 001.	Member-Industry Expert (Nominated by the Principal)	-ABSENT-
6.	Mr.S.Babu Ramki ASIC Engineer, Design Verification Facebook India Online Services Pvt. Ltd. Bengaluru - 560 071.	Member-Alumni (Nominated by the Principal)	

7.	Dr.G.GOMATHI Professor / EE(VLSIDT)	Member	
8.	Mrs.C.SARANYA Assistant Professor / EE(VLSIDT)	Member	
9.	Mr.T.RAJAVENKATESAN Assistant Professor / EE(VLSIDT)	Member	
10.	Mr.D.POORNAKUMAR Assistant Professor / EE(VLSIDT)	Member	
11.	Dr.S.PRADEEP Assistant Professor / EE(VLSIDT)	Member	
12.	Mr.A.SURESH KUMAR Assistant Professor / EE(VLSIDT)	Member	
13.	Mr.V.MOULISHWARAN Student/III year EE(VLSIDT)	Member	
14.	Mr.S.INIYAVAN Student/III year EE(VLSIDT)	Member	

BoS Chairman

K.S.Rangasamy College of Technology, Tiruchengode- 637 215

(Autonomous)

Agenda for BoS Meeting

2025 – 2026 (ODD Semester)

Name of the Body	Board of Studies (BoS) Electronics Engineering (VLSI Design and Technology) - UG
Date & Time	20.12.2025 & 11.30AM
Venue	ECE meeting Hall and Microsoft Teams
Meeting link	https://teams.microsoft.com/l/meetup-join/19%3a275f69696e1f4fc488d809fad6764d31%40thread.tacv2/1765877528971?context=%7b%22Tid%22%3a%22ca51afa4-43e6-4d01-9a9a-633374b0618e%22%2c%22Oid%22%3a%22f6bfd4ef-9984-42bf-99e1-6b1ee3446aeb%22%7d

The list of members attended the meeting is given in **Annexure - I.** The agenda discussed is given below:

S.No	ITEMS
1.	**Curriculum of I to VIII Semester of UG - R2026**
2.	**Discussion on Choice Based Credit System** I. Self-study courses SWAYAM / NPTEL / MOOC courses II. One credit course offered in 2025-26 (Odd Semester) and planned to offer by industry in 2025-26 (Even Semester) III. Skill based courses offered in 2025-26 (Odd Semester) and planned to offer 2025-26 (Even Semester) IV. International Certification planned in 2025-26 with credits V. Roll out of laboratories classes to make students to participate in Design Contests, Hackathon and Ideathon, etc. VI. Internship for Students (2nd, 3rd& 4th Year)
3.	**List of open elective courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (Even Semester)**
4.	**Stake holders feedback and action taken**
5.	**Suggestion from IQAC**
6.	**Any other matters** • Question Paper Pattern – Internal and End Semester Examination

Minutes of the Board of Studies Meeting
Department of EE(VLSIDT)

				Date: 20.12.2025		**Venue:**	**ECE meeting Hall + Microsoft Teams platform**
S.No.	**Agenda**	**Name & Nominee**	**Discussions / Suggestions**	**Action to be Taken**	**Responsibility**	**Target**	**Remarks**
The BoS Chairman welcomed all the members for the meeting. The items listed in the agenda are taken for discussion one by one. As per the feedback received from stake holders, R2026 Curriculum was framed. The minutes of the meeting are as follows:							
1	**Curriculum of I to VIII Semester for R2026 of EE(VLSIDT)**	**Dr.P.Palanisamy** (Nominated by University)	➢ Satisfied with the total number of credits 163 for R2026 ➢ Suggested to combine **Signals and Systems & Digital Signal Processing as VLSI Signal Processing** ➢ Suggested to have Electromagnetic waves as compulsory course	Course Name changed to **VLSI Signal Processing** in R2026. Included in the third semester	BoS Chairman	Curriculum of R2026(UG)	Submitted to the academic council for further approval
		Dr. Ashok Rao (Subject Expert Nominated by Academic Council)	➢ Suggested to have separate course for **Computer Architecture** in R2026 ➢ Suggested to have **Microcontroller** as separate course in R2026	Computer Architecture and Organization included as separate course in the III semester. **Microcontrollers & Microprocessors** proposed as separate course in the IV semester.	BoS Chairman	Curriculum of R2026(UG)	Submitted to the academic council for further approval
		Dr. Ashok Rao (Subject Expert Nominated by Academic Council)	➢ Suggested to move **Seminar and Technical Writing** from VII semester to V semester ➢ Suggested to have the Graph Theory and Optimization course in the fourth semester	Course moved to V semester in the curriculum R2026. **Graph Theory and Optimization** is included in the fourth semester.	BoS Chairman	Curriculum of R2026(UG)	Submitted to the academic council for further approval

		Mr.S.Babu Ramki Member-Alumni (Nominated by the Principal)	➢ List of professional elective courses has been listed and Suggested that Emphasis on AI in VLSI required ➢ **Hardware Accelerator for AI** can be included as a course in the Elective list	Vertical on **AI and Hardware Accelerator VLSI Design** is included in the Professional Elective vertical Proposed **Hardware Accelerator Design for AI Applications** is included in the professional Elective.	BoS Chairman	Curriculum of R2026(UG)	Submitted to the academic council for further approval
		All BoS Members	➢ The list of open elective courses was presented and discussed in detail during the BoS meeting ➢ Discussed about the curriculum which is designed to support students' progression to higher education, provide career guidance, encourage entrepreneurship and startup culture, and address cross-cutting issues such as ethics, environment, and sustainability, aligning with the United Nations Sustainable Development Goals (SDGs) ➢ Discussed about the curriculum is framed in accordance with the guidelines and spirit of the National Education Policy (NEP) 2020	The members reviewed the courses relevance to interdisciplinary learning, and applicability to industry needs, and expressed their satisfaction with the variety and scope of the electives offered. Curriculum included with design thinking laboratory to address critical thinking. Offered Startup and Entrepreneurship to emphasize **Entrepreneurship Development and Innovation**. Offered **Environmental Studies and Climate Change, Universal Human Values, Life Skill for Engineers, Biology for Engineers, Disaster Management to address environmental sustainability, ethics, gender equity.** Multidisciplinary electives and flexible credit options for internships, research projects, and community-based learning is offered in the curriculum.	BoS Chairman	Curriculum of R2026(UG)	Submitted to the academic council for further approval

2. Discussion on Choice Based Credit System

I. Self-study courses planned to be offer in the even semester of 2025-26.

NPTEL courses are given as self-study courses and it is made mandatory for all students. Faculty mentors are available with students supporting them.

S.No.	Name the Course	Number of Credits
1	VLSI Physical Design with Timing Analysis	3
2	Soft Skill Development	2

II. One credit course planned to offer by industry in 2025-26 (Even Semester)

S.No.	Name the Course	Number of Credits
1	60EVSE01 - Digital Design Using Multi-Vt Libraries	1
2	60EVSE02 - ASIC Functional Verification Using System Verilog	1
3	60EVSE03 - Fundamentals of Design for Testability (DFT)	1

III. Skill based courses offered in 2025-26 (Odd Semester) and planned to offer 2025-26 (Even Semester)

Skill based courses offered in 2025-26 (Odd Semester)

S.No.	Name the Course -2025-26 (ODD Semester)	Number of hours
1	Design and Synthesis of VLSI Circuits using EDA Tools	30

Skill based courses planned to offer 2025-26 (Even Semester)

S.No.	Name the Course -2025-26 (Even Semester)	Number of hours
1	Design and Synthesis of VLSI Circuits using EDA Tools	30
2	IoT System Design	30
3	PCB Design and Development	30
4	LabVIEW for Instrumentation and System Automation	30

IV. International Certification Completed 2025-26(Odd Semester) and planned in 2025-26(Even Semester) with credits

International Certification Completed in 2025-26(Odd Semester)

S.No.	Name of the courses in	Organization	Certification completed by students
1.	Data structures and Algorithms	Infosys Springboard	27
2.	VLSI Digital Design - Chip Design and Verilog Programing		01
3.	Basics of Python		01
4.	Matlab onramp	Mathworks	15

International Certification Planned in 2025-26(Even semster)

Students are encouraged to do the International Certificates such as Coursera, Udemy, Edx, Mathworks, Guvi and so on.

V. Roll out of laboratory classes to make students to participate in Design Contests, Hackathon and Ideathon, etc.

Name of Laboratory R2026	Semester	Contest
Electronic Devices Laboratory	II	• Planned Open ended experiments which will enable the students to develop projects on their own. • Students can choose any circuits/logic/ applications given in each experiment or bring circuits/logic/ applications of their choice suitable to the given experiment. • Planned to provide hands-on exposure to core and advanced topics, and their rollout aims to actively promote student participation in design contests, hackathons, ideathons, and other innovation-centric activities.
Analog and Digital Electronics Laboratory	III	
Linear IC Laboratory	III	
Mini Project	III	
VLSI Design laboratory	IV	
Microcontrollers Laboratory	IV	
Embedded Systems Laboratory	V	
FPGA Based System Design Laboratory	V	
Embedded Systems Laboratory	V	
ASIC Design Laboratory	VI	
VLSI Verification and Testing Laboratory	VI	
Microfabrication Laboratory	VII	
Design Thinking and Innovation Laboratory & Design Thinking and Product Development Laboratory	I & II	• Students have to design application circuits/systems using Electronics Engineering Domain. Applications can be chosen (any four) from the given list but need not be confined to it.

VI. Internship for Students (2nd, 3rd& 4th Year)

Credits shall be given for students undergoing internship/doing projects in relevant industry and it is given below:

Duration of Training /Internship	Credits
2 Weeks (IV semester)	1
4 Weeks (VI Semester)	2

3. List of open elective courses offered in 2025-2026 (ODD Semester)

S.No.	Name the Course	L	T	P	C
1	60 EV L01 - VLSI Technology	3	0	0	3

4. Stakeholder's feedback and action taken

Name of the Stakeholder	Type of the stakeholder	Regulation	Course Name/General	Feedback / Suggestions	Action Taken
Mr.Manivannan S Mathworks	Alumni	R2026	General	Linux fundamentals can be included Instead of Unix, Bash, TCL/Pearl. Conventional Microcontrollers can be replaced by ARMv7/RISC	Submitted to the BoS Members for the further approval
Mr.Ramesh G, Training Head, MSPAND Technologies Pvt Ltd, Theni	Employer	R2026	Low Power VLSI	Low power VLSI course should be introduced in the Curriculum.	It is incorporated in the Professional Elective.
Mr. Abubakkar Sidhiq, Senior Software Engineer, Glopal Logic, Poland			-	STA and Physical verification need to be included	It is incorporated in the professional Elective.
			Embedded Systems	Suggested to move Embedded systems to V semester	It is incorporated in the Professional Elective.
			General	Suggested to include programming course on second semester	Planned to give self-study courses in the 2nd semester
Mr.Nepolean, Tessolve Semiconductors Ltd. Bengaluru.			General	Suggested to include UVM and Scripting Concepts	Included in the Professional Electives
				Suggested to include IP/SOC concepts	Included in the Professional Electives
Mr.Kumar, VLSI mentros, Bengaluru.	Employer	R2026	General	Suggested to provide Hands on FPGA boards, Vivado, Verilog and System Verilog	Included in the Curriculum
Mr.V.Prabhakar Tessolve Semiconductors Ltd. Bengaluru.				Suggested to include SoC Architecture, analog/RF/Memory Concepts.	SoC is included in the Professional Elective.
Mr.Mouli Shanmugam FPGA Design Engineer Data Pattern, Chennai.				Suggested to Include Digital design concepts and Practical.	Included in the curriculum.
Mr.Maheswaran Trainee Engineer Keenheads Technologies Pvt Ltd Noida.				Suggested to include TCL Scripting, STA and Physical verification	Included in the Professional Electives
Mr.K.Ganesan CEO & Founder InternEzy Mettur.				Suggested to include IoT related Concepts in the curriculum	Included in the curriculum
Mr.K.Gowtham Senior Verification Engineer Samsung Semiconductor India research, Bengaluru.				Suggested to include OOPs concept, GLS concepts in the Curriculum	Included in the curriculum

Mr.M.Divagar Senior Testing Engineer Qualcom, Bengaluru.				Suggested to give more emphasize on Digital Concepts and all modelling using Verilog.	Courses Digital modelling and digital system design added in the curriculum

All the Stakeholders suggestions are presented in BoS meeting and members welcomed the suggestions and appreciated the changes incorporated.

5. Suggestions from IQAC

Suggestions

- Introduce courses related to Sustainability Development

- Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes

Action Taken

Below Courses on Sustainability Developments are introduced in R2026

Course Code	Course Name	L	T	P	C
26MY0C02T	Universal Human Values	1	0	0	1
26ME0E11T	Life Skill for Engineers	1	0	0	1
26ME0E12T	Biology for Engineers	1	0	0	1
26ME0E03T	Disaster Management	2	0	0	0

Below Courses on Sustainability Developments are introduced in R2022

Course Code	Course Name	L	T	P	C
60MY004	Disaster Management	2	0	0	0

The below list of stakeholders are involved in curriculum framing to enhance research quality, relevance, and employability outcomes

Name of the Stakeholder	Type of the stakeholder
Mr.Manivannan S, Mathworks	Alumni
Mr.Kumar, VLSI mentros	Industry
Mr.J.Jayakumar, Phycial Design Consultant	Industry

6. Any other matters

Discussion on the following matters is done in the meeting and approval received from BoS members.

Members suggested that

- Quality of the internal assessment tests and End Semester Examination Question Papers has to be maintained considering university norms.
- All members suggested to have two open electives in the curriculum of R2026.
- Members suggested that three mathematics courses are enough if wanted go for the discrete mathematics in any semester.

Chairman
BoS / Electronics Engineering
(VLSI Design and technology

Dean-Academics

3/2/2026
Dean Administration

Principal

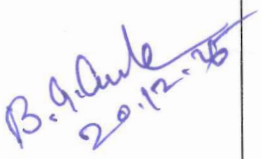
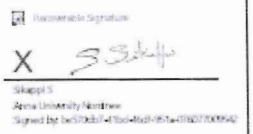
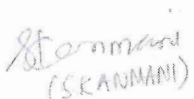
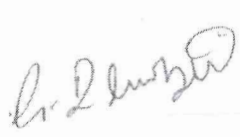
Chairman - Board of Studies
Department of Electronics Engineering
(VLSI Design and Technology)
K.S.Rangasamy College of Technology
Tiruchengode - 637 215.

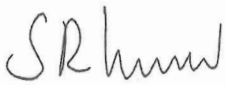
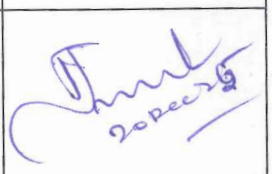
	K.S.RANGASAMY COLLEGE OF TECHNOLOGY TIRUCHENGODE - 637 215 (An Autonomous Institution, Affiliated to Anna University Chennai)	CSE

Department of Computer Science and Engineering
29th Board of Studies Meeting

(Period June – 2025 to Nov- 2025)

Date: 20.12.2025 **Time: 9.30 AM**

Department	**Computer Science and Engineering**		
Programme and Duration	**B.E. (Computer Science and Engineering), 4 years** **M.E.(Computer Science and Engineering), 2 years**		
S. No.	**Name , Designation & Address**	**Position**	**Signature**
1.	Dr.B.G.Geetha Professor & Head Department of CSE K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID : hodcse@ksrct.ac.in Mobile No: 9894688866	Chairman	
2.	Dr. S. Madhavi Professor Department of CSE K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID : madhavis@ksrct.ac.in Mobile No: 9095060950	Member (Subject Experts from the department)	–
3.	Dr. A. Gnanabaskaran Prof/CSE/KSRCT Mail ID : gnanabaskarana@ksrct.ac.in Mobile No: 9626335995		
4.	Dr. S. Sikappi Assistant Professor (Sr. Gr.) Department of Computer Applications Coimbatore Institute of Technology, Coimbatore. Mail ID: sikappi@cit.edu.in Mobile No: +91 93632 28509	Member (Outside Nominated by University)	
5.	Dr.S.Kanmani Professor in Department of IT, Puducherry Technological University Puducherry-605014. Mail ID: kanmani@ptuniv.edu.in Mobile No: +91 94432 06299		
6.	Mr. Illanchezhian Ganesamurthy Director, Tietoevry, Bengaluru. Mail ID : Ilan.ganesamurthy@gmail.com Mobile: 9790987715	Member (Meritorious Alumnus)	

7.	Mr. M. Devendran Blockchain Technical Project Manager, Casper Association, Chennai. Mail ID : devconnects@gmail.com Mobile: +91 91766 61208	Member (Industry Expert)	
8.	Dr. V. Jayakumar Assistant Professor (Senior Grade) Presidency University Bangalore. Mail ID: jayakumarksrit@gmail.com Mobile No: +91 98941 49036	Member (Subject Expert)	
9.	Dr.Prabha Selvaraj Professor Senior Grade 1, School of Computer Science and Engineering, Vellore Institute of Technology, Andhra Pradesh.. Mail ID: prabha.s@vitap.ac.in Mobile No: +91 98414 50282	Member (Subject Expert)	
10.	Dr. R. Gopinath ASP/CSE/KSRCT Mail ID: gopinath@ksrct.ac.in Mobile:9865978725	Members (Co-opted by the HoD)	—
11.	Dr.K.Poongodi Assistant Professor/CSE/KSRCT Mail ID: poongodik@ksrct.ac.in Mobile No: 9788680616		
12.	Dr. R. Chithra Professor/CSE/KSRCT Mail ID: chithra@ksrct.ac.in Mobile No: 9994312842	Subject Expert	
13.	Ms. J. Mythili Assistant Professor/CSE/KSRCT Mail ID: mythili@ksrct.ac.in Mobile No: 8838318567	Subject Expert	
14.	Mr. S. Rajkumar Assistant Professor/CSE/KSRCT Mail ID: rajkumars@ksrct.ac.in Mobile No: 9003718103	Subject Expert	
15.	Mr. S. Vadivel Assistant Professor/CSE/KSRCT Mail ID: vadivels@ksrct.ac.in Mobile No: 9790632171	Subject Expert	
16.	Mr. K. Dineshkumar Assistant Professor/CSE/KSRCT Mail ID: dineshkumark@ksrct.ac.in Mobile No: 7708735602	Subject Expert	

17.	M.S.Gokul Reg. No: 73772214134 Department of CSE K.S.Rangasamy College of Technology Tiruchengode-637215	Student	20/12/25
18.	S.Gokul Reg. No: 73772214135 Department of CSE K.S.Rangasamy College of Technology Tiruchengode-637215	Student	20/12/25
19.	V.D.Dinesh Reg. No: 73772214130 Department of CSE K.S.Rangasamy College of Technology Tiruchengode-637215	Student	20/12/25
20.	D.Dhanushaya Reg. No: 73772214122 Department of CSE K.S.Rangasamy College of Technology Tiruchengode-637215	Student	20-12-25

Date: 20-12-2025

BoS Chairman / CSE

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Computer Science and Engineering

BoS Meeting No: 29 **Date: 20.12.25**

Venue: Online **Microsoft Teams Meeting Link:** https://msteams.link/YQAS

S. No	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	**Curriculum of UG programmes (R2026)**	Dr.Prabha Selvaraj (Subject Expert)	• Suggested to combine **Computational Problem Solving** and **C Programming**. • Suggested to combine Logical thinking with any one programming language	As per the suggestions, the courses were combined and offered as **26CS0C01T- C Programming** in semester 1.	Module Coordinator	Immediate	It is resolved to submit to Academic Council for further approval
		Dr.S.Kanmani (University Nominee)	Suggested to add HTML,CSS and Java Script exercises in **Web Development** course.	As per the suggestion given, HTML,CSS and Java Script exercises are added in **26CS0101L – Web Development**.	Module Coordinator	Immediate	
			For the lab exercises, case study based questions may be asked.	As per the suggestions, case study based questions are added in laboratory courses.	Module Coordinator	Immediate	
		Mr. M. Devendran (Industry Expert)	Suggested to add tools like Mathematica to understand the concepts of Mathematical Courses	As per the suggestions, Mathematica tool is added	Module Coordinator	Immediate	
		All members	Suggested to reduce the number of courses in III semester	As per the suggestions, number of courses reduced in III semester.	Module Coordinator	Immediate	
2.	**Revision in the Curriculum and Syllabi of I to VIII semester R2022**		The following courses are introduced in R2022	BoS members accepted and approved the same	Module Coordinator	Immediate	It is resolved to submit to Academic Council for

			60 CS L14 - Mobile App Development **60 CS L15 - Prompt Engineering** **60 MY 004 – Disaster Managemen**				further approval
3.	**Curriculum and Syllabi for Minor and Honour Degree programmes R2022, R2026**	All BoS members approved the existing curriculum and syllabi of R2022, R2026 Minor and Honour Degree programmes					
4.	List of open elective courses and value-added courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (Even Semester)	BoS chairman presented the list of open elective and value added courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (Even Semester) **List of open elective courses offered in 2025-2026 (ODD Semester)** S.No. | Name of the Open Elective | No. of Students 1. | 60 CS L10 Scripting Languages | 63 2. | 60 CS L12 Generative AI | 61 3. | 60 CS L07 Java Programming | 28 **List of open elective courses planned to offer in 2025-2026 (Even Semester)** S.No. | Name of the Open Elective 1. | 61 CS L07 Java Programming 2. | 61 CS L09 Salesforce 3. | 60 CS L14 Mobile App Development 4. | 60 CS L15 Prompt Engineering **List of value-added courses planned to offer in 2025-2026 (EVEN Semester)** **- Advanced Java Programming** All BoS members accepted the same and it is resolved to submit to Academic Council for further approval					
5.	Discussion on proposed Curriculum for UG (I to VIII Semesters, R 2026) and PG (I to IV semesters, R2025) Programmes	**I. Total No. of credits for the UG programme** : 164 **II. Review of Curriculum for I to VIII semester Courses (R2026) and Recommendations** The draft curriculum of I to VIII Semester for R2026 (UG) is updated according to the suggestions given by BoS Members and it is resolved to submit to Academic Council for further approval. **III. Curriculum and syllabi to support progression to higher education, career guidance, Startups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).** The proposed R2026 curriculum meet the requirements to pursue higher education, career guidance and startups & entrepreneurship by offering the following courses • 70 CG 0P1 - Career Skill Development I • 70 CG 0P2 - Career Skill Development II • 70 CG 0P3 - Career Skill Development III • 70 CG 0P4 - Career Skill Development IV • 70 CG 0P5 Comprehension Test • 70 MY 003 - Start-ups and Entrepreneurship • 70 AC 001 - Research Skill Development					

- Courses related to Sustainable Development Goals (SDGs) are introduced in R2026

V. Curriculum meeting the requirements of NEP 2020

The curriculum is designed to meet the requirements of NEP 2020 with value added courses and self-learning courses

VI. Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills

Yes, Curriculum and syllabi support student involvement in innovative, design & critical thinking abilities and their problem-solving skills by conducting the following

- Codeathon
- Smart India Hackathon
- Project Contest
- Project work
- Innovative Courses

Courses related to Sustainable Development Goals (SDGs) are introduced in all courses.

VII. Incorporation of Virtual Laboratory & Industry sponsored/supported courses and laboratories

- Industry supported courses and laboratories offered:
  Infosys Springboard is a platform offered by Infosys by which students are insisted to complete the certification courses related to curriculum and latest technologies

VIII. Introduction of new courses

The following courses are proposed to offer as new courses :

- 70 CS E31 Explainable AI
- 70 CS E34 Cloud Migration Strategies
- 70 CS E37 Business Intelligence

The BoS members approved the curriculum and it is resolved to submit to Academic Council for further approval

6. Discussion on Choice Based Credit System

I. Self-study courses SWAYAM / NPTEL / MOOC courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (Even Semester)

BoS chairman presented the list of NPTEL courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester).

NPTEL courses completed in ODD semester of 2025-26

S.No.	Name of the NPTEL Course	No. of Weeks	No. of Students
1.	Design and Implementations of Human computer Interface	12	52
2.	Introduction To Industry 4.0 And Industrial Internet of Things	12	60
3.	Practical Cyber Security for Cyber Security Practitioners	12	8
4.	Privacy and Security in Online social media	12	12
5.	Responsible and Safe AI Systems	12	1

NPTEL courses recommended in EVEN semester of 2025-26

S.No.	Name of the NPTEL Course	No. of Weeks
1.	Effective Learning for Professional Development	8

		2. Education for Sustainable Development — 8 3. Affective Computing — 12 5. Introduction To Industry 4.0 And Industrial Internet of Things — 12 6. Human Computer Interaction (In English) — 12 7. Blockchain and its applications — 12 The BoS members approved the courses and it is resolved to submit to Academic Council for further approval
	II. One credit course offered in 2025-2026 (ODD Semester) and planned to offer by industry in 2025-2026 (Even Semester)	BoS chairman presented the one credit course planned to offer in 2025-2026 (Even Semester) • **Offensive and Defensive Cyber Security Using Kali Linux** The BoS members approved the course and it is resolved to submit to Academic Council for further approval
	III. Skill based courses offered in 2025-2026(ODD Semester) and planned to offer 2025-2026 (Even Semester)	BoS chairman presented the list of Skill based courses offered in 2025-2026(ODD Semester) and planned to offer 2025-2026 (Even Semester). Skill based courses offered in 2025-26(ODD semester) • 60 CG 0P2 - Career Skill Development – II • 60 CG 0P4 - Career Skill Development – IV Skill based courses planned to offer in 2025-26(EVEN semester) • 60 CG 0P1 - Career Skill Development – I • 60 CG 0P3 - Career Skill Development – III • 60 CG 0P5 - Comprehension Test The BoS members approved the courses and it is resolved to submit to Academic Council for further approval
	IV. International Certification completed in 2025-2026(ODD Semester) and planned to offer 2025-2026 (Even Semester).	**BoS Members suggested the following certification courses for the forthcoming semesters 2025-2026 (Even Semester).** To enhance technical knowledge and professional readiness, students are encouraged to explore the following certification courses • UiPath Certifications • GCP - Associate Cloud Engineer Certificate • AWS - AWS Certified Cloud Practitioner • Oracle Cloud Infrastructure 2025 Certified Generative AI Professional • Oracle AI Cloud Database Services 2025 Certified Professional Students are also encouraged to do the International Certificates such as coursera, udemy. The credits may be given to the students for obtaining International Certificates. All BoS members appreciated the credits given to the students for obtaining International Certificates

	V. Roll out of laboratories classes to encourage students to participate in Design Contests, Hackathon, Ideathon, and similar activities.	In R2022, Mini projects are given for 61 CS 2P1 Web Development, 61 CS 4P1 Advanced Web Development Laboratory, 61 CS 4P2 Database Management Systems Laboratory, 60 CS 603 - Data Science laboratory courses to make students to participate in Design Contests, Hackathon and Ideathon, etc. The BoS members accepted and approved the same.
	VI. Evaluation pattern for Integrated courses, Project based & System based courses	In integrated courses, the practical component is evaluated as a lab component and for project based courses, the following evaluation pattern is followed

Assessment 1 (Presentation)		Assessment 2 (CA Test)	Assessment 3 (Model – Presentation)	
Assessment Parameters	**Marks**	**Marks**	**Assessment Parameters**	**Marks**
Problem Identification	10	Questions from CO1 to CO4 As per CA Test Pattern	Innovation	30
Innovation	30		Clarity in Presentation	10
Solution for problem	10		Demo	30
Clarity in Presentation	05		Completion of Report	20
Viva	05		Viva	10
Total	**60**	**60**	**Total**	**100**

The BoS members approved the same

	VII. Internship details of students (2 nd , 3 rd & 4 th Year)	The BoS chairman presented the details of internships completed during the AY 2024-25. Students undergoing minimum 6-8 weeks of Internships in reputed industries for sharpening their skill sets

Internship completed during the AY 2024-25

Batch	No. of students completed internship	No. of Weeks
2021-25	86	8 weeks
2022-26	12	6 weeks
	56	2 weeks
2023-27	18	4 weeks
	37	2 weeks
2024-28	Students started to applying Internship.	
2025-29	Nil	

7. Stakeholders feedback and action taken

S.No.	Name of the Course	Name of stakeholder	Type of stakeholder	Feedback	Action Taken
1.	Cryptography and Network Security	Kabiyashwanth V	Industry Expert	Suggested to add the following topics under introduction to cyber crime • Cybersecurity goals: CIA triad(Confidentiality, Integrity, Availability) • Types of cyber attackers (hackers, insiders, cyber terrorists)	As per the suggestions the introduction to cyber crime is added.

						• Impact of cybercrime on individuals, organizations, and governments • Cybercrime lifecycle • Emerging cyber threats • SOC basics (Security Operation centre)	
		2.	Computer Networks	Swetha S	Alumni	Suggested to add a proactive approach to building relevant technical skills such as, 1. Cisco Networking 2. Cyber Security Fundamentals 3. CompTIA Network+	As per the suggestions Cisco Networking, Cyber Security Fundamentals CompTIA Network+ is added
		3.	React JS	Mr.Singaravel	Employer	Suggested to add more topics on React JS • Modules (import/export) • List and Keys • Different types of rendering • Control and un control form design. • Calling express.js inraect for mongodb operations.	As per the suggestion the following topics are added in React JS • Modules (import/export) • List and Keys • Different types of rendering • Control and un control form design. • Calling express.js inraect for mongodb operations
		4.	Software Engineering	Dr. P. Kaladevi Mr. R. Vijaysai	Faculty	Suggested to move software engineering to third semester and also suggested to add three credits to computer network theory.	As per the suggestions it is incorporated in R2026
		5.	Curriculum of R2026	Dr.G.Karthikeyan, Head/Gen. AI, GGS Info Services Pvt Ltd, Perungudi, Chennai - 97	Employer	**Course** / **Suggestion** Computational Problem Solving and C Programming: Suggested to integrate Computational Problem Solving as Part of C Programming Course Mathematical Courses: Suggested to add the following mathematical courses in curriculum: • Linear Algebra • Calculus • Probability and Statistics • Discrete Mathematics • R Programming	As per the suggestions it is incorporated in R2026

Physics for Computer Technology	Suggested to include Quantum Physics in the syllabus
Python Programming	Python Programming may be offered as core course during first or second year
Web Development and Advanced Web Development	Web Development may cover HTML, CSS and JavaScript. Advanced web development may be offered as Full Stack Development with the following topics: • React • Node JS • Django • Python • MongoDB
Data Structures	Data Structures may be offered as Data Structures with Java. The lab may be integrated into theory
Computer Networks	Computer Networks may be offered as integrated course and lab exercises may be implemented with NS2 / QualNet
Artificial Intelligence	Artificial Intelligence may be offered as Artificial Intelligence and Machine Learning (AIML)
Computer Architecture	IBM architecture may be referred
Design Thinking	Case Studies may be given from • Uber • Netflix • Swiggy • Zomato • Zepto
Cloud Computing	Cloud Computing may be offered as Integrated course with AWS/GCP

						Professional Elective	• Any two Professional Elective may be offered as Online courses. • Courses and Evaluation pattern has to be finalized		

8.	**Suggestions from IQAC**	The following suggestions were given by IQAC:	Action Taken
		• Introduce courses related to Sustainability Development	The following courses are introduced related to Sustainability Development • 60 MY 001 Environmental Studies and Climate Change • 60 MY 002 Universal Human Values • 60 MY 004 Disaster Management • 60 CS E16 Industrial Cloud Practices • 60 CS E48 Cyber Security
		• Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes.	Senior academicians, industry experts, and distinguished alumni and professionals are actively involved in enhancing research quality, relevance, and employability outcomes
9.	**Any other matters**		
	Suggestion on Examination Reforms (Question Paper Pattern – Internal and End Semester Examination, etc.,)	The internal and external examiners list are presented by BoS Chairman and all the members approved the same.	
	Suggestion to evaluate project-based courses	The BoS members accepted and approved the evaluation pattern for project based courses.	

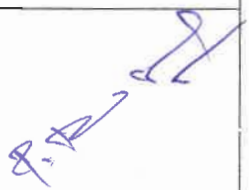
BoS Chairman **Dean Academics** **Dean Admin** **Principal**

	K.S.RANGASAMY COLLEGE OF TECHNOLOGY TIRUCHENGODE - 637 215 (An Autonomous Institution, Affiliated to Anna University Chennai)	IT

29th Board of Studies Meeting

Date: 20 Dec 2025 Time: 09:30 am

Department	**Information Technology**		
Programme and Duration	**B.Tech. (Information Technology), 4 years** **M.Tech.(Data Science), 2 years**		
S. No.	**Name , Designation & Address**	**Designation**	**Signature**
1	Dr.R.Poonkuzhali, Professor & Head Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID: hodit@ksrct.ac.in Mobile No: 9597612312	Chairman	
2	Dr.J.Nithya, Professor, Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID: nithyaj@ksrct.ac.in Mobile No: 9443846125	Member (Subject Experts from the department)	
3	Sqn Ldr V R Sadasivam, Associate Professor, Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID: sadasivam@ksrct.ac.in Mobile No: 9688688555		
4	Dr.Sikappi Assistant Professor (Sr.Gr) Department of computer Applications, Coimbatore Institute of Technology Coimbatore Mobile No: +91 93632 28509	University Nominee	Dr. S. SIKAPPI Nominee (Anna University)
5	Dr.S.Kanmani Professor in Department of IT Pondicherry Technological University, Puducherry Kanmani @ptuniv.edu.in Mobile No: +91 94432 06299	University Nominee	
6	Mr. Devendran Muthukumaramani Blockchain Technical Project Manager Casper Association, Chennai devconnects@gmail.com Mobile: +91 91766 61208	Meritorious Alumnus	
7	Mr. Illanchezhian Ganesamurthy Director, Tietoevry, Bengaluru. Ilan.ganesamurthy@gmail.com Mobile: +91 97909 87715	Industry Experts	

8	Dr.Prabha Selvaraj Professor Senior Grade 1 School of Computer Science and Engineering VIT -AP prabha.s@vitap.ac.in Mobile: +91 98414 50282	External Subject Experts	
9	Dr. Jayakumar Vaithyashankar Asst.Professor (Senior Grade) Presidency University Bangalore E-mail: jayakumarksrit@gmail.com Mobile: +91 98941 49036	External Subject Experts	
10	Dr.M.Sangeetha, Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: sangeetham@ksrct.ac.in Mobile No: 9994670017	Members (Co-opted by the HoD)	
11	Dr.C.Nallusamy, Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: nallusamyc@ksrct.ac.in Mobile No: 8754254805		
12	Mr.M.Thilakraj, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: mthilakraj@ksrct.ac.in Mobile No: 9842815665	Subject Expert	
13	Ms.K.Mahalakshmi, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: mahalakshmik@ksrct.ac.in Mobile No: 9944286457	BoS Coordinator	
14	Mr.R.T.Dineshkumar, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: dhineshkumarrt@ksrct.ac.in Mobile No: 9952762214	Subject Expert	
15	Mr. P.Dineshkumar, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: p.dineshkumar@ksrct.ac.in Mobile No: 9688837873	Subject Expert	
16	Mr.K.C.Mohanraj,Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: mohanrajkc@ksrct.ac.in Mobile No:9842793086	Subject Expert	

17	Mr.S.Arulmurugan, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: arulmurugans@ksrct.ac.in Mobile No:7502392760	Subject Expert	
18	Mr.K.Saravanan, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID:saravanank@ksrct.ac.in Mobile No:9677551893	Subject Expert	
19	Mrs. N.Sathiyapriya, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: sathiyapriyan @ksrct.ac.in Mobile No:9942761818	Subject Expert	
20	Mrs.S.Keerthana, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: keerthanas @ksrct.ac.in Mobile No:8870617746	Subject Expert	
21	Mrs.S.Pavithra, Assistant Professor Department of Information Technology K.S.Rangasamy College of Technology Tiruchengode-637215. Mail ID: spavithra@ksrct.ac.in Mobile No:6382480391	Subject Expert	
22	Ms.Akchayaa.V.P Department of Information Technolgy K.S.Rangasamy College of Technology	Student (IV Year)	
23	Mr.Vignesh.K Department of Information Technolgy K.S.Rangasamy College of Technology	Student (IV Year)	
24	Mr.Deepan.S Department of Information Technolgy K.S.Rangasamy College of Technology	Student (III Year)	
25	Ms.Mownika.K Department of Information Technolgy K.S.Rangasamy College of Technology	Student (III Year)	

Date: 20-12-2025

BoS Chairman / IT

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE- 637 215
(Autonomous)
Department of Information Technology (UG &PG)
Minutes of the Board of Studies Meeting

ACADEMIC YEAR 2025-2026 (ODD SEMESTER)

	BoS Meeting No:29			Date:20.12.2025	Venue: IT Department Library

The BoS Chairman welcomed all the members of the Board of Studies and highlighted the importance of their role in curriculum development and academic quality enhancement. The minutes of the previous BoS meeting held on **18.06.2025** were presented and confirmed by the members. The following members were present.

1.	Dr.R.Poonkuzhali	- BoS Chairman
2.	Dr.Sikappi	- University Nominee
3.	Dr.S.Kanmani	- University Nominee
4.	Mr. Devendran	- Meritorious Alumnus
5.	Mr. Illanchezhian	- Industry Expert
6.	Dr.Prabha Selvaraj	- External Subject Expert
7.	Dr. Jayakumar	- External Subject Expert
8.	Dr.J.Nithya	- Member
9.	Dr.V.R.Sadasivam	- Member
10.	Dr.M.Sangeetha	- Member
11.	Dr.C.Nallusamy	- Member
12.	Mr.M.Thilakraj	- Member
13.	Dr.K.Mahalakshmi	- Member
14.	Mr.R.T.Dineshkumar	- Member
15.	Mr. P.Dineshkumar	- Member
16.	Mr.K.C.Mohanraj	- Member
17.	Mr.Arulmurugan	- Member
18.	Mr.K.Saravanan	- Member
19.	Mrs. N.Sathiyapriya	- Member
20.	Mrs.S.Keerthana	- Member
21.	Mrs.S.Pavithra	- Member
22.	Ms.Akchayaa.V.P	- Student
23.	Mr.Vignesh.K	- Student
24.	Mr.Deepan.S	- Student
25.	Ms.Mownika.K	- Student

S.No.	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	Vision, Mission, PEO, PSO – Review	**Dr.R.Poonkuzhali (BOS Chairman)**	Discussed the existing Vision, Mission, PEOs and PSOs	Existing Vision, Mission, PEOs and PSOs shall be continued.	PC	Continuous	
2.	Curriculum **of UG programmes (R2026)**	**Dr. S. Sikappi** . (University Nominee)	**26IT0202L Python Programming Lab:** Suggested to integrate visualizations, such as graphs or charts, into Python programming Lab.	The syllabus updated to include the use of libraries like Matplotlib, Seaborn, and Plotly for data visualization.	BoS Chairman	Immediate	Submitted to Academic Council for further approval.
			Suggested to incorporate tools for performance monitoring within the Operating System in **26IT0101L IT Workshop Laboratory**	The practical exercises on using OS performance monitoring tools like Task Manager (Windows), Activity Monitor (macOS), and top/htop (Linux) included in **26IT0101L IT Workshop Laboratory.**			
		Mr.M.Devendran (Industry Member)	Suggested to introduce **Agentic AI** as a core elective in R2026.	As per the suggestion Agentic AI included in Core Elective under **Artificial Intelligence & Data Science vertical.**	BoS Chairman	Immediate	Submitted to Academic Council for further approval.
		Mr.Illanchezhian Ganesamurthy (Industry Member)	Suggested to include "**GPU Programming and Hardware Acceleration (CUDA, PyTorch)**" as a Core Elective Course in **Artificial Intelligence & Data Science vertical**	Listed Course added as elective in R2026	Module coordinator	Immediate	Submitted to Academic Council for further approval.

<table>
<tr><td></td><td></td><td>Dr.Prabha Selvaraj
(Subject Expert)</td><td>Suggested to equip students with foundational understanding of Automata Theory or Compiler Design as Core Subject.
Suggested Courses are
• 26IT0502T Theory of Computation (III or IV Semester)
• Compiler Design (Elective Course)</td><td>Suggested Course are included in R-2026.</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td rowspan="2">3.</td><td rowspan="2">Curriculum and syllabi of R2025(PG)</td><td>Mr. G. Ilanchezhian
(Industry Member)</td><td>Suggested to offer a course on Artificial Intelligence and Internet of Things in R2025.</td><td>Suggested course offered as “70 PDS E11 Artificial Intelligence and Internet of Things” in R2025 Curriculum.</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>Dr. V. Jayakumar
(Industry Member)</td><td>Recommended to offer a course related to High Performance Computing.</td><td>The course offered as “70 PDS E55 GPU Computing” in R2025 curriculum.</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>4.</td><td>Curriculum and Syllabi of PG programmes R2025</td><td colspan="5">I Total No. of credits for the PG programme(M.Tech-Data Science) - 72
II Preparation for I to IV semester subjects R2025, Curriculum for R 2025 and Recommendations
• Presented the proposed Curriculum and Syllabus (R2025) for M.Tech(Data Science) and it is approved
III Curriculum should improve innovative, design & critical thinking skills and problem-solving abilities of students
• The BoS members approved that the proposed Curriculum improves innovative, design & critical thinking skills and problem-solving abilities of students
The members of BoS Committee approved the Curriculum. It is resolved to submit it to Academic Council for further approval.</td></tr>
<tr><td>5.</td><td>Revision in the Curriculum and Syllabi of I to VIII semester R2022.</td><td colspan="5">
<table>
<tr><th>S.No.</th><th>Course Code</th><th>Name of the Course</th><th>Semester</th><th>Changes made</th></tr>
<tr><td>1.</td><td>60 MY 004</td><td>Disaster Management</td><td>VI</td><td>New Mandatory Course added.</td></tr>
<tr><td>2.</td><td>61 IT 6P1</td><td>Data Mining and Analytics Laboratory</td><td>VI</td><td>One experiment added(Implementation of Supervised and Unsupervised Learning algorithm using MATLAB)</td></tr>
<tr><td>3.</td><td>60 IT L07</td><td>Medical Robotics</td><td>VI</td><td>New open elective course added.</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><td>6.</td><td>Curriculum and Syllabi for Minor and Honour Degree programmes in R2026.</td><td>Dr. S. Sikappi, AU Nominee</td><td>Suggested to include honor degree in the domain of Data Science.</td><td>Honor degree can be offered in the domain of Data Science in R2026.</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval</td></tr>
<tr><td>7.</td><td>List of open elective courses and value-added courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (Even Semester)</td><td colspan="6">
I. List of open elective courses offered in 2025-26 (ODD Semester)
<table>
<tr><th>S.No</th><th>Year/Sem</th><th>Course Code</th><th>Course Title</th><th>No.of Students</th></tr>
<tr><td>1.</td><td>II / III</td><td>60 IT L01</td><td>Python Programming</td><td>65</td></tr>
<tr><td>2.</td><td>II / III</td><td>60 IT L03</td><td>Power BI</td><td>63</td></tr>
</table>
II. List of open elective courses planned to offer in 2025-2026 (EVEN Semester)
<table>
<tr><th>S.No</th><th>Year/Sem</th><th>Course Code</th><th>Course Title</th></tr>
<tr><td>1.</td><td>II / IV</td><td>60 IT L01</td><td>Python Programming</td></tr>
<tr><td>2.</td><td>II / IV</td><td>60 IT L03</td><td>Power BI</td></tr>
<tr><td>3.</td><td>III / VI</td><td>60 IT L07</td><td>Medical Robotics</td></tr>
</table>
III. List of value-added courses offered in 2025-26 (Odd Semester)
<table>
<tr><th>S.No</th><th>Year / Sem</th><th>Name of the Course</th><th>Name of the Industry</th><th>No.of hours</th><th>No.of Students</th></tr>
<tr><td>1.</td><td>III / V</td><td>IoT Product Design with RaspberryPi and Python</td><td>Paruvaththe Payir Sei(PPS),Madurai</td><td>32</td><td>53</td></tr>
</table>
IV. List of value-added courses planned to offer in 2025-26 (Even Semester)
<table>
<tr><th>S.No</th><th>Year / Sem</th><th>Name of the Course</th><th>Name of the Industry</th><th>No.of hours</th></tr>
<tr><td>1.</td><td>III /VI</td><td>Mobile Application Development</td><td>Coreverse Technologies, Tiruchengode</td><td>30</td></tr>
</table>
</td></tr>
</table>

8. Discussion on proposed Curriculum for UG (I to VIII Semesters, R 2026) and PG (I to IV semesters, R2025) Programmes

I Total No. of credits for the UG Programme : 164

II Review of curriculum for I to VIII semester UG Courses (R2026) and Recommendations

Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
Suggested to include either Theory of Computation or Compiler Design, as core Course in R2026.	Suggested Course are included in R-2026.	BoS Chairman	Immediate	Submitted to Academic Council for further approval.
Suggested to include Pytorch, hardware acceleration, TPU, GPU in the syllabus	Suggested Course added as elective in R2026	Module coordinator	Immediate	Submitted to Academic Council for further approval.
Suggested to Introduce Agentic AI as a core elective in R2026.	As per the suggestion Agentic AI included in Core Elective under **Artificial Intelligence & Data Science vertical.**	BoS Chairman	Immediate	Submitted to Academic Council for further approval.

III Review of curriculum and Syllabi for I to IV semester PG Courses (R2025) and Recommendations

Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
Suggested to offer a course **on Artificial Intelligence and Internet of Things** in R2025.	Suggested course offered as **"70 PDS E11 Artificial Intelligence and Internet of Things"** in R2025	BoS Chairman	Immediate	Submitted to Academic Council for further approval.

IV Curriculum and syllabi to support progression to higher education, career guidance, Startups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).

Focus Area	Curriculum Support
Higher Education & Research	Strong foundation through Mathematics, Algorithms, AI & ML, Deep Learning, Data Mining, **Research Skill Development** and **Final Year Project**
Career Guidance & Employability	**Career Skill Development I–IV, Comprehension Test, Internships (III–VIII Sem)**, Communication and Professional Skills
Startups & Entrepreneurship	**Startups & Entrepreneurship, Design Thinking, Mini Project** and **Major Project** to promote innovation and business ideas
Cross-cutting Issues	**Universal Human Values, Disaster Management, NCC/NSS/NSO, Total Quality Management, Professional Communication**
Sustainable Development Goals	**Environmental Studies & Sustainable Practices, UHV, Disaster Management,** and **Entrepreneurship** supporting sustainability, ethics and social responsibility

V Curriculum meeting the requirements of NEP 2020.

Flexible structure with multidisciplinary learning, value-added & Non- CGPA courses (Heritage of Tamils, Tamils & Technology).

VI Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills.

Focus Area	Curriculum & Syllabus Support
Innovation & Creativity	**Design Thinking, Mini Project, Startups & Entrepreneurship,** and **Project Work (Phase I & II)** encourage idea generation, innovation and product development.
Design Skills	**Engineering Graphics, Web Essentials, Full Stack Development, Mobile App Development,** and **Embedded Systems & IoT** develop system and application design skills.
Critical Thinking	**Design and Analysis of Algorithms, Theory of Computation, AI & ML, Deep Learning,** and **Data Mining** build analytical and logical reasoning.
Problem-Solving Ability	**Data Structures, Algorithms, Database Management Systems, Operating Systems, Computer Networks,** and **Laboratories** provide hands-on problem-solving.
Practical & Experiential Learning	**IDEA Lab – Maker Space, Micro Projects, Mini Project, Major Project,** and **Internships** promote real-world problem identification and solution development.

VII. Incorporation of Virtual Laboratory & Industry sponsored/supported courses and Laboratories

S. No.	Name of Course with code	Semester	Name of Institution / Open-Source
1	60 IT 0P1/ Python Programming Laboratory	II	https://python-iitk.vlabs.ac.in/
2	61 CS 0P3/ Data Structures Laboratory	III	https://ds1-iiith.vlabs.ac.in/data-structures-1/
3	60 CS 0P4/ Java Programming Laboratory	III	**R Sequence**
4	61 EC 001 Digital Logic and Microprocessor	III	Multisim live
5	60 IT403 / Web Technology	IV	(https://html-iitd.vlabs.ac.in/)
6	60 IT 601/ Data Mining and Analytics Laboratory	VI	http://vlabs.iitb.ac.in/vlabsdev/labs/machine_learning/labs/exp7/simulation.php
7	60 IT 7P1/ Cloud Computing Laboratory	VII	https://console.cloud.google.com/sdk/

VIII. Introduction of New courses

Artificial Intelligence and Machine Learning	Cyber Laws, Privacy & Digital Ethics
Generative AI & Large Language Models	Cloud & Virtualization Security
Agentic Artificial Intelligence	Cyber Security & Blockchain Technologies
Data Wrangling and Visualization with Python	Cyber Threat Intelligence and SOC Operations
GPU Programming and Hardware Acceleration	Progressive Web Apps (PWA)
Quantum Computing for Data Science	API Design and Documentation (Swagger, Postman)
MERN Stack Development	Advanced Mobile Development (Flutter, SwiftUI)

9.	**Discussion on Choice Based Credit System**	**I. Self-study courses SWAYAM / NPTEL / MOOC courses offered in 2025-26 (ODD Semester)**

S.No	Name of the Course	No.of Weeks	No. of students
1.	Design and Implementation of Human Computer Interfaces	12	55
2.	Foundations of Virtual Reality	12	13
3.	Privacy and Security in Online social media	12	31
4.	Practical Cyber Security for Cybersecurity Practitioners	12	40

Self-study courses SWAYAM / NPTEL / MOOC courses planned in 2025-26 (Even Semester)

S.No	Name of the Course	No.of Weeks
1.	Human Computer Interaction(In English)	12
2.	Object Oriented System Development Using UML, Java And Patterns	12
3.	Affective Computing	12
4.	Computer Networks and Internet Protocol	12

II. One credit course offered in 2025-2026 (ODD Semester)

S.No	Name of the Course	Semester	Name of the Industry	No.of Students
1.	Flutter Launchpad Camp	V	Coreverse Technologies, Tiruchengode	65

Two credit course planned to offer by industry in 2025-2026 (Even Semester)

S.No	Name of the Course	Semester	Name of the Industry	No.of Students
1.	Foundation of SAP Business Technology Platform	VI	Kaar Technologies, Kingdom of Saudi Arabia	50

III. Skill based courses offered in 2025-2026(ODD Semester)

S.No	Name of the Course	Semester	No.of Students
1.	Embedded Systems and IoT	V	121
2.	Cloud Computing	VII	123
3.	Software Testing	VII	123
4.	Cryptography and Network Security	VII	123
5.	Computer Graphics and Virtual Reality	VII	123

Skill based courses planned to offer 2025-2026 (Even Semester)

S.No	Name of the Course	Semester	No.of Students
1.	Web Technology	IV	132
2.	Full Stack Development	VI	121
3.	Data Mining and Analytics	VI	121
4.	Machine Learning	VI	121
5.	Power BI	IV	132
6.	Python Programming	II	126

IV. International Certification completed in 2025-2026 (ODD Semester) and identification of certifications for the forth coming Semesters 2025-2026 (Even Semester)

S.No	Name of the Course	No.of Students
1.	Google Cloud - Associate Cloud Engineer	18
2.	AWS Certified Cloud Practitioner	2
3.	Microsoft Azure Data Fundamentals	3
4.	Oracle Cloud Infrastructure-Professional, Associate	10

- Google Cloud - Associate Cloud Engineer
- AWS Certified Cloud Practitioner
- Microsoft Azure Data Fundamentals
- Oracle Cloud Infrastructure-Professional, Associate

✓ The above certifications may be considered as equivalent course with 3 credits.
✓ Suggested that upon successful completion of above certifications, course exemption of any of the core elective / open elective course with 3 credits may be permitted
✓ Grades obtained in the certification may be considered for evaluation
✓ Certification, where direct grades are not available and internal assessment may be conducted and grades can be awarded

V. **Roll out of laboratories classes to encourage students to participate in Design Contests, Hackathon, Ideathon, and similar events.**

Name of Laboratory with Code	Semester	Contest (Design Contest, Hackathon, Ideathon, etc)
60 CS 0P1/ C Programming Laboratory	I	Codeathon
60 IT 2P1 / Python Programming Laboratory	II	Codeathon
60 IT 3P1 / Java Programming Laboratory	III	Codeathon
60IT3P2/ Data Structure Laboratory	III	Codeathon

VI. **Evaluation plan for Integrated courses, Project based & System based courses**

Integrated Course

Items	Theory Component					Laboratory Component		Total	Internal	End Sem. (Theory and Lab)
Mode of Assessment	CA Test (1&2)	Activity	Quiz 1	Quiz 2	Quiz 3	Lab Exam	Model	100** Marks	50 Marks	50 Marks
Number of Assessment	2	1	1	1	1	2	1			
Marks	60 Marks	5 Marks	20 Marks	20 Marks	30 Marks	100 Marks	100 Marks			
Weightage in Marks	40	5	1	1	3	30	20			
Theory with Lab	Total	2 CA Test Marks = 2 x 20 = 40 Activity = 1 x 5 = 05 Quiz (1 & 2) = 2 x 1 = 02 Quiz 3 = 1 x 3 = 03				Lab Exam 1 (After 50% Syllabus Coverage) = 15 Lab Exam 2 (After 100% Syllabus Coverage) = 15 Model Exam / Mini Project= 20				
	Total Internal Marks for Theory = 50					Total Internal Marks for Lab =50				

Project based Course

Assessment 1 (Presentation)		Assessment 2 (CA Test)	Assessment 3 (Model – Presentation)	
Assessment Parameters	**Marks**	**Marks**	**Assessment Parameters**	**Marks**
Problem Identification	10	Questions from CO1 to CO4 As per CA Test Pattern	Innovation	30
Innovation	30		Clarity in Presentation	10
Solution for problem	10		Demo	30
Clarity in Presentation	05		Completion of Report	20
Viva	05		Viva	10
Total	**60**	**60**	**Total**	**100**

VII. Internship details of students for the forthcoming Semesters 2025-2026 (Even Semester)

Final year : **103** students, Third Year : **22** students and Second Year:**10 students**

10.	**Stake holders feedback and action taken report**	**Stake holder's Name**	**Discussions / Suggestions**	**Action to be Taken**	**Responsibility**	**Target**
		Mr. Nithyanandam Dell Technologies (Employer)	Suggested to increase focus on Industry used tools and frameworks (Spring boot, Docker, Kubernetes.)	Can be included	Module coordinator	Submitted to Academic Council for further approval
		Mr. Sathish Accenture Solutions Pvt Ltd (Employer)	Suggested to include Ethical AI and Data Privacy into syllabus	Can be included	BoS Chairman	Submitted to Academic Council for further approval
		Ms.Haritha Harikumar Primus Global Technologies (Alumni)	Suggested to focus more on Flutter, vue.js, Apache, Airflow	Can be Considered.	BoS Chairman	Submitted to Academic Council for further approval

		Mr.M.Sivakumar CTS (Alumni)	Generative AI and Quantum Machine Learning can be added as new elective courses in R2026 curriculum	Can be introduced	BoS Chairman	Submitted to Academic Council for further approval
		Ms. A. Abi Hitachi Energy (Alumni)	Suggested to include AI Tools like cursor, windsurf, copilot.	Can be introduced	BoS Chairman	Submitted to Academic Council for further approval
		Mr.Harish Nirmal B Scrum Master, Project Manager Bank Muscat, Oman (Alumni)	Suggested to include Scrum, Kanban, Agile Methodology.	May be Considered.	Module coordinator	Submitted to Academic Council for further approval
		Mr.Periyasamy Rajendran Accenture,Chennai (Employer)	Suggested to include Data Engineering as Professional Elective Subject.Interdisciplinary Subjects can be introduced to do the Projects	May be Considered.	Module coordinator	Submitted to Academic Council for further approval
		Mr.Nithyanandham Dell Technologies (Employer)	Suggested to Introduce some Technical Certification and Language certification courses	Can be considered.	Module coordinator	Submitted to Academic Council for further approval
11.	**Suggestions from IQAC**	**Discussions / Suggestions**	**Action to be Taken**		**Responsibility**	**Target**
		Suggested to introduce courses related to Sustainability Development	Sustainability is embedded across courses through interdisciplinary modules, industry-oriented case studies and projects, continuous faculty development programs (FDPs), and enhanced industry collaborations that support internships, live projects, and expert lectures.		Bos Chairman	Submitted to Academic Council for further approval
		Suggested that involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU signed organizations, to enhance research quality, relevance, and employability outcomes.	Distinguished alumni and experts from MoU-linked industries will be involved in co-supervising projects, evaluating research outcomes, and delivering skill-focused sessions to enhance academic rigor and job readiness.		Bos Chairman	Submitted to Academic Council for further approval

12.	Any other matters	Suggestion on Examination Reforms (Question Paper Pattern – Internal and End Semester Examination)			
		Discussions / Suggestions	**Action to be Taken**	**Responsibility**	**Target**
		Question papers shall be framed based on Bloom's Taxonomy, focusing on higher-order thinking.	Question papers for both Internal and End Semester Examinations were redesigned in alignment with Bloom's Taxonomy, incorporating higher-order thinking questions.	Bos Chairman	Submitted to Academic Council for further approval
		Greater weightage shall be given to application, analysis, and problem-solving questions.	The revised question paper pattern ensures greater weightage to application, analytical, and problem-solving-based questions to enhance conceptual understanding.	Bos Chairman	Submitted to Academic Council for further approval
		Open-book examinations may be introduced for selected course	Open-book examinations were introduced on a pilot basis for selected courses to encourage critical thinking and real-time problem-solving skills.	Bos Chairman	Submitted to Academic Council for further approval
		Rubric-based evaluation will be followed for laboratories and project work.	Rubric-based evaluation methods were developed and implemented for laboratory courses and project work to ensure transparency, consistency, and outcome-based assessment.	Bos Chairman	Submitted to Academic Council for further approval
		Professional and employability skills will be assessed through group work, viva, and internships.	Professional and employability skills were assessed through structured group discussions, viva voce examinations, internships, and live/industry-based projects.	Bos Chairman	Submitted to Academic Council for further approval
		Faculty will be trained in OBE-based assessment and evaluation methods	Faculty members were trained through Faculty Development Programs (FDPs) on Outcome-Based Education (OBE) assessment practices and effective evaluation methodologies.	Bos Chairman	Submitted to Academic Council for further approval
		Mr.M Devendran Blockchain Technical Project Manager suggested that Free Code Camp can be introduced as One credit course or Value-added course	Based on the suggestion of **FreeCodeCamp** introduced as a One-Credit/Value-Added Course to enhance students' practical coding skills and industry readiness.	Bos Chairman	Submitted to Academic Council for further approval

BoS Chairman **Dean-Academics** **Dean-Administration** **Principal**

	K.S. RANGASAMY COLLEGE OF TECHNOLOGY TIRUCHENGODE - 637 215 (An Autonomous Institution, Affiliated to Anna University Chennai)	AI&DS

12th Board of Studies Meeting

Date: 20.12.2025 Time: 10.30 AM

Department	Artificial Intelligence and Data Science		
Programme and Duration	B. Tech (Artificial Intelligence and Data Science), 4 Years		
S. No.	Name , Designation & Address	Designation	Signature
1	Dr.S.Sarumathi Professor & Head Department of Artificial Intelligence and Data Science K. S. Rangasamy College of Technology, Tiruchengode – 637215. Email: hodaids@ksrct.ac.in Mobile No:9443321692	Chairman	
2	Dr.Sikappi Assistant Professor (Sr.Gr) Department of computer Applications, Coimbatore Institute of Technology Coimbatore Mobile No: +91 93632 28509	University Nominee	Dr. S. SIKAPPI Nominee (Anna University)
3	Dr.S. Kanmani Professor in Department of IT Pondicherry Technological University, Puducherry Kanmani @ptuniv.edu.in Mobile No: +91 94432 06299	University Nominee	
4	Mr. Illanchezhian Ganesamurthy Director, Tietoevry, Bengaluru. Ilan.ganesamurthy@gmail.com Mobile: +91 97909 87715	Industry Member	
5	Mr. Devendran Muthukumaramani Blockchain Technical Project Manager Casper Association, Chennai devconnects@gmail.com Mobile: +91 91766 61208	Alumni	
6	Dr. Jayakumar Vaithyashankar Asst.Professor (Senior Grade) Presidency University Bangalore E-mail: jayakumarksrit@gmail.com Mobile: +91 98941 49036	Subject Expert	
7	Dr. Prabha Selvaraj Professor Senior Grade 1 School of Computer Science and Engineering VIT -AP prabha.s@vitap.ac.in Mobile: +91 98414 50282	Subject Expert	

8	Mr.N. Giridharan Assistant Professor/AI&DS/KSRCT Mail ID: giridharan@ksrct.ac.in Mobile No:8925325252	Member	
9	Mr.S. Raja Assistant Professor/AI&DS/KSRCT Mail ID: rajas@ksrct.ac.in Mobile No:7502821440	Member	
10	Mr.J.Karthick Assistant Professor/AI&DS/KSRCT Mail ID: karthickj@ksrct.ac.in Mobile No:8056408054	Member	
11	Ms.Subithra S S Department of Artificial Intelligence and Data Science	Student	
12	Mr.Bhargav Reddy M Department of Artificial Intelligence and Data Science	Student	

BOS Chairman / AI&DS

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Artificial Intelligence and Data Science

	BoS Meeting No.	12	Date:	20.12.2025	Venue:	AI&DS HoD Cabin (MS Teams - https://msteams.link/YQAS)

The BoS Chairman warmly welcomed all the esteemed members of the Board of Studies and thanked them for their valuable presence. He expressed hope for fruitful discussions and constructive suggestions during the meeting.

S. No	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	**Curriculum and syllabi of I & II R2026**	Dr. S. Sikappi (University Nominee)	Suggested to include hands-on AI tools to improve practical understanding in **26AD0101L – AI Tools Laboratory** Course.	As per the suggestion, **Hands-on AI tools** updated in **26AD0101L – AI Tools Laboratory**	Module Coordinators	Immediate	Submitted to Academic Council for further approval.
		Dr. S. Sikappi (University Nominee)	Add **Metrices(Accuracy) topic (evaluation metrics for ML/AI)** in **26AD0206T – Pyhton Programming for AI** Course.	As per the suggestion it is included **"Evaluation metrics"** in **26AD0206T - Python Programming for AI.**			
2.	**Revision in the Curriculum and syllabi of – R2022**	All Bos Members	Suggested to add the additional Open Elective course in the R2022 Curriculum.	As Suggested, the new Open Elective Course **60 AD L04 – Responsible AI** has been added.	Module Coordinator	Before the Commencement of AY: 2025-2026 (Even semester)	Submitted to Academic Council for further approval.
			Suggested to include the Mandatory Course **60 MY 004 - Disaster Management** in the R2022 curriculum.	As suggested, the Mandatory Course **60 MY 004 - Disaster Management** has been included.	Module Coordinator	Before the Commencement of AY: 2025-2026 (Even semester)	Submitted to Academic Council for further approval.

3. List of open elective courses and value-added courses

- It is planned to offer **"60 AD L03/ 60 AD L01 – Robotic Process Automation"** and **60 AD L04 – Responsible AI** as an Open Elective Course for 2025-2026 Even semester and also it is planned to offer **"AI Agents & Autonomous Workflows"** as a Value-Added Course for 2025-2026 Even semester.

The BoS Members approved the same and submitted it to Academic Council for further approval.

4. Discussion on Curriculum of I to VIII Semester for R 2026 (UG)

- Curriculum of I to VIII Semester for R2026 (UG) are finalized according to the suggestions given by BoS Members and it is resolved to submit the Syllabus with above changes to Academic council for approval.
- Curriculum and syllabi meet the requirements to pursue higher education & career guidance and startups & entrepreneurship by offering the following courses
  - Core Courses for GATE Preparation
  - Career Skill Development I, II & III
  - Start-ups and Entrepreneurship
  - Research Skill Development

The BoS Members approved the same and submitted it to Academic Council for further approval.

5. Discussion on Choice Based Credit System

The following NPTEL courses were completed for the students in 2025-2026 (ODD Semester).

S. No.	Course Name	Semester	No. of Weeks	Students
1.	Introduction to Industry 4.0 and Industrial Internet of Things	07	12	28
2.	Big Data Computing	07	08	5
3.	Advanced R Programming for Data Analytics in Business	05	12	14
4.	Introduction to Internet of Things	03	12	47

The following NPTEL courses are recommended for 2025-2026 EVEN semester is

S. No.	Course Name	Semester	No. of Weeks
1	Introduction to Internet of Things	06	12
2	The Joy of Computing using Python	04	12
3	English Language for Competitive Exams	02	12

The following One credit courses for 2025-2026 Even semester is planned to offer.

S. No.	Course Code & Name	Industry Supports	No. of Hours	No. of Credits
1	60 AD SE01 & AI Agents & Autonomous Workflows	Green Technologies	30	1
2	60 AD SE02 & Cloud & Web Hosting with AWS	Green Technologies	30	1

The following international certification courses are planned to offer in 2025-2026 Even semester.

1.Google Cloud - Associate Cloud Engineer Certificate
2.AWS Certified Cloud Practitioner
3. Azure Data Fundamentals

4. Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
5. Oracle AI Cloud Database Services 2025 Certified Professional
6. Oracle Analytics Cloud 2025 Certified Professional
7. Oracle Cloud Infrastructure 2025 Certified DevOps Professional

- All the above certifications may be considered as equivalent course with 3 credits.
- Above certifications, exempt of any of the core / open elective course with 3 credits may be permitted.
- Grades obtained in the certifications may be considered for evaluation.
- Certification, where direct grades are not available, an internal assessment may be conducted and grades can be awarded.

The following Life Skill Based course is planned to offer for 2025-2026 Even semester.

1. Career Skill Development

The BoS Members approved the same and submitted it to Academic Council for further approval.

8. Internship Details – (2025-2026) ODD Semester

The details of the internship completed during the academic year 2025–2026 (ODD Semester) are given below.

S. No.	Admitted Batch	Total No. of Students
1	2022-2026	39
2	2023-2027	40
3	2024-2028	10

9. Stake holders feedback and action taken report

S. No	Name of the Stakeholder	Curriculum / Name of the Course	Feedback	Action Taken
1	**Mr.Jason Kendrick** SDE – II Botify India - Salem	**26AD0101L** – AI Tools Laboratory	Suggested to include industry-relevant tools and platforms such as Google Colab, Kaggle, and modern AI tools for generative and creative applications.	Google Colab, Kaggle, and modern AI tools are included.
2	**Jessica Collins J P** Cloud support analyst, Oracle Cerner Healthcare Solutions, Bangalore.	R2026 Curriculum	It is recommended to include Python programming for AI, with coverage of NumPy, Pandas, Matplotlib, and widely used frameworks like TensorFlow, PyTorch, and OpenCV.	Integrated Python programming for AI into the curriculum, covering essential libraries such as NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, and OpenCV through structured lab sessions.

			3	**Bose A S** Product Engineer - Juspay Technologies, Bangalore.	R2026 Curriculum	It is recommended to balance the Semester 5 workload to improve student engagement and comprehension. Introducing electives on Generative AI and emerging technologies would strengthen industry relevance and career preparedness.	Reviewed and rebalanced the Semester 5 workload to improve student engagement and comprehension, while offering electives that allow flexibility and focused learning.	
			4	**Gobala Krishnan B** Software Engineer Glenwood Systems Private Ltd., Chennai	R2026 Curriculum	It would be good to include ethics in AI as a mandatory topic early on. Adding more hands-on experience with popular AI tools and frameworks would be useful.	Introduced new electives on Generative AI, Responsible AI and emerging technologies to enhance industry alignment and improve students' career readiness.	
10.	**Suggestions from IQAC**	**The following suggestions were given by IQAC:** • Introduce courses related to Sustainability Development • Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken:** • The course Environmental Studies and Climate Change has been introduced into the curriculum to promote awareness of sustainable development, environmental responsibility, and ecological conservation among students. • Senior academicians and industry experts, including distinguished alumni and professionals from MoU-signed organizations, have been actively involved through Value added Course, curriculum inputs, research mentoring, and collaborative activities to enhance research quality, industry relevance, and employability outcomes.						
11.	**Any other matters**	The internal and external examiners lists are presented by BoS Chairman and all the members approved the same. (Annexure I)						

BoS - Chairman **Dean – Academics** **Dean – Administration** **Principal**

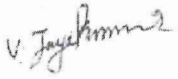
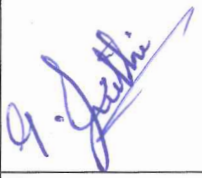
	K.S. RANGASAMY COLLEGE OF TECHNOLOGY TIRUCHENGODE - 637 215 (An Autonomous Institution, Affiliated to Anna University Chennai)	CSE(AIML)

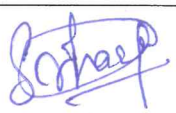
Department of CSE (Artificial Intelligence and Machine Learning)
29th Board of Studies Meeting

(Period June – 2025 to Dec- 2025)

Date: 20.12.2025 **Time: 9.30 AM**

Department	**CSE (Artificial Intelligence and Machine Learning)**		
Programme and Duration	**B.E. CSE (Artificial Intelligence and Machine Learning), 4 years**		
S. No.	**Name, Designation & Address**	**Position**	**Signature**
1.	Dr. C.Rajan Professor & Head Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID: hodaiml@ksrct.ac.in Mobile No: +91 9865090665	Chairman	
2.	Mrs. C.Janani, Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: jananic@ksrct.ac.in Mobile: +91 9445895734	Member (Subject Experts from the department)	
3.	Mr. S.Insol Rajasekar Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: insolrajasekar@ksrct.ac.in Mobile:+91 8220512436		
4.	Dr. S. Sikappi Assistant Professor (Sr. Gr.) Department of Computer Applications Coimbatore Institute of Technology, Coimbatore. Mail ID:sikappi@cit.edu.in Mobile No: +91 93632 28509	Member (Outside Nominated by University)	Dr. S. SIKAPPI Nominee (Anna University)
5.	Dr.S.Kanmani Professor in Department of IT, Puducherry Technological University Puducherry-605014. Mail ID:kanmani@ptuniv.edu.in Mobile No: +91 94432 06299		
6.	Mr. Illanchezhian Ganesamurthy Director, Tietoevry, Bengaluru. Mail ID: Ilan.ganesamurthy@gmail.com Mobile: +91 9790987715	Member (Meritorious Alumnus)	

7.	Mr. M. Devendran Blockchain Technical Project Manager, Casper Association, Chennai. Mail ID : devconnects@gmail.com Mobile: +91 91766 61208	Member (Industry Expert)	
8.	Dr. V. Jayakumar Assistant Professor (Senior Grade) Presidency University Bangalore. Mail ID: jayakumarksrit@gmail.com Mobile No: +91 98941 49036	Member (Subject Expert)	
9.	Dr.Prabha Selvaraj Professor Senior Grade 1, School of Computer Science and Engineering, Vellore Institute of Technology, Andhra Pradesh. Mail ID:prabha.s@vitap.ac.in Mobile No: +91 98414 50282	Member (Subject Expert)	
10.	Mr. K.Praveen Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: praveen@ksrct.ac.in Mobile:+91 95009181012	Subject Expert	
11.	Mr. D. Balakrishnan Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: balakrishnan@ksrct.ac.in Mobile: +91 6374340770	Subject Expert	
12.	Mr. V.Thamizharasu Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: thamizharasu@ksrct.ac.in Mobile: +91 9655454000	Subject Expert	
13.	Ms.G.Suthi Assistant Professor, Department of CSE (AIM) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: suthig@ksrct.ac.in Mobile :+ 91 9489796499	Subject Expert	
14.	Ms. R.P. Harshini Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: harshinirp@ksrct.ac.in Mobile: +91 9361446506	Subject Expert	
15.	Mrs.M.S. Indumathi Assistant Professor, Department of CSE (AIML) K.S.Rangasamy College of Technology Tiruchengode-637215 Email: indumathims@ksrct.ac.in Mobile: +91 9715247992	Subject Expert	

16.	Sriharan. S Department of CSE (AIML) K.S.Rangasamy College of Technology	Student (IV Year)	
17.	Sowmiya P Department of CSE (AIML) K.S.Rangasamy College of Technology	Student (IV Year)	
18.	Praveen S Department of CSE (AIML) K.S.Rangasamy College of Technology	Student (III Year)	
19.	Monika R Department of CSE (AIML) K.S.Rangasamy College of Technology	Student (II Year)	
20.	Adith D Department of CSE (AIML) K.S.Rangasamy College of Technology	Student (I Year)	

Date: 20-12-2025

BoS Chairman / CSE(AIML)

CHAIRMAN
Board of Studies
Department of Computer Science and Engineering (AIML)
K. S. Rangasamy College of Technology
Tiruchengode - 637 215, Namakkal-Dt

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of CSE (Artificial Intelligence and Machine Learning)

	BoS Meeting No.	8		Date:	20.12.2025	Venue:	IT Park (MS Teams - https://msteams.link/YQAS)
The BoS Chairman warmly welcomed all the esteemed members of the Board of Studies and thanked them for their valuable presence. He expressed hope for fruitful discussions and constructive suggestions during the meeting.							
S. No	**Agenda**	**Name & Nominee**	**Discussions / Suggestions**	**Action to be Taken**	**Responsibility**	**Target**	**Remarks**
1.	**Curriculum and syllabi of I & II R2026**	Dr.S. Kanmani (University Nominee)	Suggested to add **Logic programming** topics in **26AM0102T - Principles of Programming Languages** Course.	As per the suggestion, **logic programming** updated in **26AM0102T - Principles of Programming Languages.**	Module Coordinators	Immediate	Submitted to Academic Council for further approval.
		Dr. S. Sikappi (University Nominee)	Add **Cloud concepts** in **26AM0101T -Principles of Computing** Course.	As per the suggestion it is planned to add **"Cloud Concepts"** in one of the unit of **26AM0101T - Principles of Computing.**			
2.	**Revision in the Curriculum and syllabi of – R2022**	All Bos Members	Suggested to modify the course structure of **Open Elective III** from the **theory-based to a project-based learning model.**	As Suggested, the course structure of **Open Elective III** has been updated from the theory-based to a project-based learning model in **R2022 Curriculum**	Module Coordinator	Before the Commencement of AY: 2025-2026 (Even semester)	Submitted to Academic Council for further approval.
			Suggested to add the additional Open Elective course in the R2022 Curriculum.	As Suggested, the new Open Elective Course **60 AM L04 – Large Language Models (LLM)** has been added.	Module Coordinator		

		All Bos Members	Suggested to include the Mandatory Course **60 MY 004 - Disaster Management** in the R2022 curriculum.	As suggested, the Mandatory Course **60 MY 004 - Disaster Management** has been included.	Module Coordinator	Before the Commencement of AY: 2025-2026 (Even semester)	Submitted to Academic Council for further approval.
3.	**Curriculum of R2026**	Mr. Illanchezhian (Industry Expert)	Suggested to replace the following courses 1. Software Engineering (Vertical 1: AI Driven Software Engineering) 2. Expert Systems (Vertical 3: Robotics and Automation) 3. Industrial Automation Systems (Vertical 3: Robotics and Automation) 4. Video Creation & Editing (Vertical 4: Creative Media) 5. IoT Concepts (Vertical 5: IoT) 6. GPU Programming (Vertical 6: Emerging Trends and Specialization) 7. Ethics & AI (Vertical 6: Emerging Trends and Specialization)	As per the suggestion, the following subjects will be replaced, 1. Software Metrics (Vertical 1: AI Driven Software Engineering) 2. AI for Automation (Vertical 3: Robotics and Automation) 3. Multimodal Programming Interfaces (Vertical 3: Robotics and Automation) 4. Mixed Reality (Vertical 4: Creative Media) 5. Internet of Things and Cloud (Vertical 5: IoT) 6. Computer Vision (Vertical 6: Emerging Trends and Specialization) 7. Responsible AI (Vertical 6: Emerging Trends and Specialization)	Module Coordinators	Immediate	Submitted to Academic Council for further approval.
4.	**Minor and Honour degree course curriculum in R2026**	The Honor degree for R2026 will be offered under the verticals "AI Driven Software Engineering", "Cyber Threat Management", "Robotics and Automation", "Creative Media", "IoT" and "Emerging Trends and Specialization". The BoS Members approved the same and submitted it to Academic Council for further approval.					
5.	**List of open elective courses and value-added courses**	• It is planned to offer **"60 AM L03 - Intelligent AR/VR Systems"** as an Open Elective Course for 2025-2026 Even semester and also it is planned to offer "**Building GenAI Applications using LLMs and APIs**" as a Value-Added Course for 2025-2026 Even semester. The BoS Members approved the same and submitted it to Academic Council for further approval.					

<table>
<tr>
<td>6.</td>
<td>Discussion on Curriculum of I to VIII Semester for R 2026 (UG)</td>
<td>

Curriculum of I to VIII Semester for R2026 (UG) are finalized according to the suggestions given by BoS Members and it is resolved to submit the Syllabus with above changes to Academic council for approval.
Curriculum and syllabi meet the requirements to pursue higher education & career guidance and startups & entrepreneurship by offering the following courses

Core Courses for GATE Preparation
Career Skill Development I, II & III
Start-ups and Entrepreneurship
Research Skill Development

The BoS Members approved the same and submitted it to Academic Council for further approval.
</td>
</tr>
<tr>
<td>7.</td>
<td>Discussion on Choice Based Credit System</td>
<td>
The following NPTEL courses were recommended for the students in 2025-2026 (ODD Semester).
<table>
<tr><th>S. No.</th><th>Course Name</th><th>Semester</th><th>No. of Weeks</th><th>Students</th></tr>
<tr><td>1</td><td>Introduction to Industry 4.0 and Industrial Internet of Things</td><td>03</td><td>12</td><td>51</td></tr>
<tr><td>2</td><td>Social Network Analysis</td><td>05</td><td>12</td><td>04</td></tr>
<tr><td>3</td><td>Practical Cyber Security for Cyber Security Practitioners</td><td>05</td><td>12</td><td>33</td></tr>
</table>
The following NPTEL courses are recommended for 2025-2026 EVEN semester is
<table>
<tr><th>S. No.</th><th>Course Name</th><th>Semester</th><th>No. of Weeks</th></tr>
<tr><td>1</td><td>Effective Learning for Professional Development</td><td>02</td><td>08</td></tr>
<tr><td>2</td><td>Human Computer Interaction</td><td>04</td><td>12</td></tr>
<tr><td>3</td><td>Affective Computing</td><td>06</td><td>12</td></tr>
</table>
The following One credit course for 2025-2026 Even semester is planned to offer.
<table>
<tr><th>S. No.</th><th>Course Code & Name</th><th>Industry Supports</th><th>No. of Hours</th><th>No. of Credits</th></tr>
<tr><td>1</td><td>60 AM SE01 & Modern Software Development Practices</td><td>Thoughtworks, Coimbatore</td><td>15</td><td>1</td></tr>
</table>
The following international certification courses are planned to offer in 2025-2026 Even semester.

Oracle OCI Generative AI Professional
Oracle Cloud Infrastructure 2025 DevOps Professional

All the above certifications may be considered as equivalent course with 3 credits.
Above certifications, exempt of any of the core / open elective course with 3 credits may be permitted.
Grades obtained in the certifications may be considered for evaluation.
Certification, where direct grades are not available, an internal assessment may be conducted and grades can be awarded.

The following Life Skill Based course is planned to offer for 2025-2026 Even semester.

Career Skill Development

The BoS Members approved the same and submitted it to Academic Council for further approval.
</td>
</tr>
</table>

8. Internship Details – (2025-2026) ODD Semester

The details of the internship completed during the academic year 2025–2026 (ODD Semester) are given below.

S. No.	Admitted Batch	No. of Weeks		Total No. of Students
		2	6	
1	2022-2026	4	9	13
2	2023-2027	7	14	21
3	2024-2028	39	4	43

9. Stake holders feedback and action taken report

S. No	Name of the Stakeholder	Curriculum / Name of the Course	Feedback	Action Taken
1	**Santhosh R** Full Stack Web Developer JP Morgan Chase Bangalore	R2026 Curriculum	LLM Models and its training, fine tuning the models, tokenization can be included as ChatGPT is the trend right now and students should be able to understand the foundations and work along with it. Prompt Engineering can be included as it is crucial to interact with LLM models.	Introduced foundational concepts of Large Language Models (LLMs), including model training, fine-tuning techniques, and tokenization, to help students understand and work with modern AI systems such as ChatGPT.
2	**Jessica Collins J P** Cloud support analyst, Oracle Cerner Healthcare Solutions, Bangalore.	R2026 Curriculum	It is recommended to include Python programming for AI, with coverage of NumPy, Pandas, Matplotlib, and widely used frameworks like TensorFlow, PyTorch, and OpenCV.	Integrated Python programming for AI into the curriculum, covering essential libraries such as NumPy, Pandas, Matplotlib, TensorFlow, PyTorch, and OpenCV through structured lab sessions.
3	**Bose A S** Product Engineer - Juspay Technologies, Bangalore.	R2026 Curriculum	It is recommended to balance the Semester 5 workload to improve student engagement and comprehension. Introducing electives on Generative AI and emerging technologies would strengthen industry relevance and career preparedness.	Reviewed and rebalanced the Semester 5 workload to improve student engagement and comprehension, while offering electives that allow flexibility and focused learning.

			4	**Gobala Krishnan B** Software Engineer Glenwood Systems Private Ltd., Chennai	R2026 Curriculum	It would be good to include ethics in AI as a mandatory topic early on. Adding more hands-on experience with popular AI tools and frameworks would be useful.	Introduced new electives on Generative AI and emerging technologies to enhance industry alignment and improve students' career readiness.
			5	**Dr.L.Selvam** HoD/CSE(CS)&CSE(AIML) SRM Madurai College for Engineering and Technology, Madurai.	**26AM0102T** - Principles of Programming Languages	Creating a mini-language grammar in BNF. Evaluating two languages for a specific task and explaining the better option. Writing a Python custom error handler. Incorporate Industry-Applicable Tools	Incorporated industry-applicable tools and workflows into coursework and projects to ensure real-world relevance.
10.	**Suggestions from IQAC**	**The following suggestions were given by IQAC:** • Introduce courses related to Sustainability Development • Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken:** • The course Environmental Science and Sustainability has been introduced into the curriculum to promote awareness of sustainable development, environmental responsibility, and ecological conservation among students. • Senior academicians and industry experts, including distinguished alumni and professionals from MoU-signed organizations, have been actively involved through Value added Course, curriculum inputs, research mentoring, and collaborative activities to enhance research quality, industry relevance, and employability outcomes.					
11.	**Any other matters**	The internal and external examiners lists are presented by BoS Chairman and all the members approved the same. (Annexure IV)					

BoS - Chairman **Dean – Academics** **Dean – Administration** **Principal**

	K.S. RANGASAMY COLLEGE OF TECHNOLOGY **TIRUCHENGODE - 637 215** (An Autonomous Institution, Affiliated to Anna University Chennai)	**CSBS**

Department of Computer Science and Business Systems
29th Board of Studies Meeting

(Period June – 2025 to Dec- 2025)

Date: 20.12.2025 **Time: 9.30 AM**

Department	**Computer Science and Business Systems**		
Programme and Duration	**B.TECH - Computer Science and Business Systems , 4 years**		
S. No.	**Name, Designation & Address**	**Position**	**Signature**
1.	Dr. K.Sakthivel Professor & Head Department of CSBS K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID: hodcsbs@ksrct.ac.in Mobile No: +91 9942166425	Chairman	
2.	Dr. S. Sikappi Assistant Professor (Sr. Gr.) Department of Computer Applications Coimbatore Institute of Technology, Coimbatore. Mail ID:sikappi@cit.edu.in Mobile No: +91 93632 28509	Member (Outside Nominated by University)	Dr. S. SIKAPPI Nominee (Anna University)
3.	Dr.S.Kanmani Professor in Department of IT, Puducherry Technological University Puducherry-605014. Mail ID:kanmani@ptuniv.edu.in Mobile No: +91 94432 06299		
4.	Mr. Illanchezhian Ganesamurthy Director, Tietoevry, Bengaluru. Mail ID: Ilan.ganesamurthy@gmail.com Mobile: +91 9790987715	Member (Meritorious Alumnus)	
5.	Mr. M. Devendran Blockchain Technical Project Manager, Casper Association, Chennai. Mail ID : devconnects@gmail.com Mobile: +91 91766 61208	Member (Industry Expert)	
6.	Dr. V. Jayakumar Assistant Professor (Senior Grade) Presidency University Bangalore. Mail ID: jayakumarksrit@gmail.com Mobile No: +91 98941 49036	Member (Subject Expert)	

7.	Dr.Prabha Selvaraj Professor Senior Grade 1, School of Computer Science and Engineering, Vellore Institute of Technology, Andhra Pradesh.. Mail ID:prabha.s@vitap.ac.in Mobile No: +91 98414 50282	Member (Subject Expert)	
8.	Dr. M. Tamilarasi Associate Professor/CSBS/KSRCT Mail ID: tamilarasi@ksrct.ac.in Mobile No: 9750037023	Subject Expert	
9.	Mr. K. Karthikeyan Assistant Professor/CSBS/KSRCT Mail ID: karthikeyank@ksrct.ac.in Mobile No: 9952475246	Subject Expert	
10.	Mr. S. Vignesh Assistant Professor/CSBS/KSRCT Mail ID: vigneshs@ksrct.ac.in Mobile No: 9944820102	Subject Expert	
11.	Mrs. T. Udhaya Assistant Professor/CSBS/KSRCT Mail ID: udhaya@ksrct.ac.in Mobile No: 8675587180	Subject Expert	
2.	Chandra Mohan G Reg. No: 73772227103 Department of CSBS K.S.Rangasamy College of Technology Tiruchengode-637215	Student (IV Year)	
3.	Harine N Reg. No: 73772227115 Department of CSBS K.S.Rangasamy College of Technology Tiruchengode-637215	Student (IV Year)	
4.	Sundara Raghav G Reg. No: 2303737724421031 Department of CSBS K.S.Rangasamy College of Technology Tiruchengode-637215	Student (IIIYear)	
5.	RASIKASHREE S Reg. No: 2303737724422052 Department of CSBS K.S.Rangasamy College of Technology Tiruchengode-637215	Student (III Year)	
6.	PREETHI R Reg. No: 2403737724422049 Department of CSBS K.S.Rangasamy College of Technology Tiruchengode-637215	Student (II Year)	

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Computer Science and Business Systems

BoS Meeting No.	9	Date:	20.12.2025	Venue:	IT Park (MS Teams - https://msteams.link/YQAS)

The BoS Chairman warmly welcomed all the esteemed members of the Board of Studies and thanked them for their valuable presence. He expressed hope for fruitful discussions and constructive suggestions during the meeting.

S. No	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	**Revision in the Curriculum and syllabi of – R2022**	All Bos Members	Suggested to add the additional Open Elective course in the R2022 Curriculum.	As Suggested, the new Open Elective Course **60 CB L04 – Agentic AI** has been added.	Module Coordinator	Before the Commencement of AY: 2025-2026 (Even semester)	Submitted to Academic Council for further approval.
			Suggested to include the Mandatory Course **60 MY 004 - Disaster Management** in the R2022 curriculum.	As suggested, the Mandatory Course **60 MY 004 - Disaster Management** has been included.	Module Coordinator	Before the Commencement of AY: 2025-2026 (Even semester)	Submitted to Academic Council for further approval.
2.	**List of open elective courses and value-added courses**	• Planned to offer "**Building GenAI Applications using LLMs and APIs**" as a Value-Added Course for 2025-2026 Even semester. The BoS Members approved the same and submitted it to Academic Council for further approval.					
3.	**Discussion on Choice Based Credit System**	The following NPTEL courses were recommended for the students in 2025-2026 (ODD Semester).					

S. No.	Course Name	Semester	No. of Weeks	Students
1	Introduction to Internet of Things	07,05	12	35
2	Privacy and Security in Online Social Media	05	12	33
3	Introduction to Industry 4.0 and Industrial Internet of Things	05	12	62

The following NPTEL courses are recommended for 2025-2026 EVEN semester is

S. No.	Course Name	Semester	No. of Weeks
1	Introduction to Internet of Things	04	12
2	Human Computer Interaction	06	12

The following One credit course for 2025-2026 Even semester is planned to offer.

S. No.	Course Code & Name	Industry Supports	No. of Hours	No. of Credits
1	60 CB SE01 & Modern Software Development Practices	Thoughtworks, Coimbatore	15	1

The following international certification courses are planned to offer in 2025-2026 Even semester.

1. AWS Cloud Practitioner Generative AI Professional
2. Oracle Cloud Infrastructure 2025 DevOps Professional

- All the above certifications may be considered as equivalent course with 3 credits.
- Above certifications, exempt of any of the core / open elective course with 3 credits may be permitted.
- Grades obtained in the certifications may be considered for evaluation.
- Certification, where direct grades are not available, an internal assessment may be conducted and grades can be awarded.

The following Life Skill Based course is planned to offer for 2025-2026 Even semester.

1. Career Skill Development

The BoS Members approved the same and submitted it to Academic Council for further approval.

4. Internship Details – (2025-2026) ODD Semester

The details of the internship completed during the academic year 2025–2026 (ODD Semester) are given below.

S. No.	Admitted Batch	No. of Weeks		Total No. of Students
		2	6	
1	2022-2026	-	55	55
2	2023-2027	18	25	60
3	2024-2028	32	-	63

The BoS Members approved the internship taken by the Students and it is Suggested to pass in Academic Council Meeting for the further Approval

5. Stake holders feedback and action taken report

S. No	Name of the Stakeholder	Curriculum / Name of the Course	Feedback	Action Taken
1	**Prakash T** Associate Engineer CBTS Bangalore	R2022 Curriculum	The Agentic AI syllabus is relevant to current industry needs; however, greater emphasis on implementation-oriented and project-based	Introduced Enhanced implementation-oriented and project-based learning approaches. Introduced hands-on activities and practical

						learning is recommended. Incorporating hands-on activities across units will help students better understand agent workflows, coordination, and real-world applications using the prescribed frameworks.	exercises across all units to strengthen understanding of agent workflows, coordination, and real-world applications using the prescribed frameworks.
			2	**Praveen Kumar G** Data Analyst Cognizant, Chennai.	R2022 Curriculum	It is recommended to include clearer alignment between theoretical concepts and practical assessment components to ensure effective evaluation of students' competencies in Agentic AI frameworks and tools.	Introduced improved alignment between theoretical concepts and practical assessment components by incorporating implementation-based evaluations and project-oriented assessment methods
6.	**Suggestions from IQAC**	**The following suggestions were given by IQAC:** • Introduce courses related to Sustainability Development • Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes. **Action Taken:** • The course Environmental Science and Sustainability has been introduced into the curriculum to promote awareness of sustainable development, environmental responsibility, and ecological conservation among students. • Senior academicians and industry experts, including distinguished alumni and professionals from MoU-signed organizations, have been actively involved through Value added Course, curriculum inputs, research mentoring, and collaborative activities to enhance research quality, industry relevance, and employability outcomes.					
7.	**Any other matters**	The internal and external examiners lists are presented by BoS Chairman and all the members approved the same. (Annexure IV)					

BoS - Chairman **Dean – Academics** **Dean – Administration** **Principal**

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE – 637 215

(An Autonomous Institution)

DEPARTMENT OF BIOTECHNOLOGY

List of Members attended the Meeting given below

S.No.	Name of the Member	Designation	Representation	Members Signature
1.	Dr. B.Kalpana	Head, Department of Biotechnology, KSRCT	Chairman- BOS	
2.	Dr. M. Arivanandhan	Professor,	University Nominee	VIRTUAL
3.	Dr. P. Selvamani	Professor	Subject Expert	
4.	Dr.C. Kabilan	Managing Director	Industrial expert	
5.	Mr.M.Vasudevan	Business unit Head	Meritorious Alumnus	VIRTUAL
6.	Dr.G.Ayyappadasan	Professor - KSRCT	BOS - Coordinator	
7.	Dr.S.Sidhra	Professor - KSRCT	BOS-Member	
8.	Dr.S.Poornima	Associate Professor - KSRCT	BOS-Member	
9.	Dr. M. Nithya	Assistant Professor - KSRCT	BOS-Member	
10.	Dr. K. Syed Zameer Ahmed	Associate Professor - KSRCT	BOS-Member	
11.	Dr. B. Mythili Gnanamangai	Associate Professor - KSRCT	BOS-Member	
12.	Ms.S.Rubavathi	Assistant Professor	BOS-Member	
13.	Ms.R.Krishnaveni	Assistant Professor - KSRCT	BOS-Member	
14.	Mr.R.Arulvel	Assistant Professor	BOS-Member	
15.	Dr.Rahul Chauhan	Assistant Professor	BOS-Member	
16.	Ms.S.Sathviga	Assistant Professor	BOS-Member	
17.	Mr.R.Manoj M	Student – IV Year	Student Member	
18.	Ms.Sharmila M	Student– IV Year	Student Member	

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of Board of Studies Meeting

Department of Biotechnology (UG & PG)

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall

1.

Opening Welcome Address

The BoS Chairman extended a warm welcome to all esteemed members of the 29th Board of Studies meeting held at the Biotechnology Seminar Hall. The Chairman expressed sincere appreciation for the valuable time and expertise contributed by external members, recognizing their critical role in elevating the department's academic standards and industry alignment.

S.No.	Name	BoS Members
1	Dr. M. Arivanandhan	University Nominee
2	Dr. P. Selvamani	Subject Expert
3	Dr. C. Kabilan	Industry Expert
4	Mr. M. Vasudevan	Alumni Member
5	Mr. R. Manoj M	Student Mentor
6	Ms. Sharmila M	Student Mentor

2.

Vision and Mission of Department

Discussed about the draft copy of vision and Mission of department to BOS members.

VISION OF THE DEPARTMENT

To be a globally recognized center of excellence in biotechnology education and research, fostering innovation and sustainable solutions for societal challenges while nurturing ethical and competent biotechnology professionals.

MISSION OF THE DEPARTMENT

To provide comprehensive biotechnology education through innovative pedagogical approaches, state-of-the-art infrastructure, and industry-aligned curriculum that develops competent professionals.

To promote cutting-edge research in biotechnology applications including biomedical engineering, environmental biotechnology, and industrial bioprocesses through collaborative partnerships with industry and research institutions.

To cultivate ethical values, entrepreneurial mindset, and lifelong learning abilities among students while addressing global challenges through sustainable biotechnological innovations.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Professional Excellence

Graduates will demonstrate professional competence in biotechnology by applying fundamental knowledge and advanced biotechniques to solve complex problems in healthcare, environmental, agricultural, and industrial biotechnology sectors.

PEO2: Innovation and Research

Graduates will engage in innovative research, development, and entrepreneurial activities in biotechnology, contributing to technological advancement and sustainable solutions through lifelong learning and adaptation to emerging technologies.

PEO3: Leadership and Ethics

Graduates will function as responsible leaders and team members with strong professional ethics, effective communication skills, and commitment to sustainable development and societal welfare.00

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Biotechnology Applications

Apply principles of molecular biology, biochemistry, and bioprocess engineering to design, develop, and optimize biotechnological processes and products for healthcare, environmental, and industrial applications.

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall
	PSO2: Research and Innovation Demonstrate competency in biotechnology research methodologies, modern analytical techniques, and innovation skills to develop sustainable biotechnological solutions and contribute to the advancement of biotechnology industry. Members appreciated the changes in the Vision and Mission of Department. Suggested to implement the Skill component and entrepreneurial aspects. **Action Taken** : Incorporated the skill component in the department Vision and Mission and submitted for Approval of Academic Council						
3.	**Curriculum of UG Programmes (R2026)**	Dr. M. Arivanandhan (University Nominee)	**Discussion of Curriculum components** UG R2026 (164 Credits) **Advanced Courses discussion and Approval:** Modern and advanced courses of R2026 has been discussed with industry needs. The detailed review of courses was done and approved with the suggestion of laboratory facility and expertise accordingly. **Engineering Visualization Subject** Add dedicated modules on 3D Bioprinting concepts The BoS members approved the proposed new courses, and they were incorporated into the R2026 curriculum. **Action taken :** It is decided to incorporate the industry and skill based courses in R2026 curriculum **Responsibility:** Module Coordinator **Target : Immediate**	Submitted for the approval in Academic Council Meeting	
		Dr. Selvamani (Subject Expert)	Member appreciated the systematic preparation and structure of the proposed R2026 curriculum and acknowledged the department's efforts in aligning it with NEP 2020 and industry expectations. Suggested theory / elective courses: Bioorganic Chemistry Bioconjugate Technology Biosensors Molecular Breeding (with emphasis on tissue culture applications) Biofuel Technology Quantum Technology 3D Bioprinting Gene Editing Technology Bioeconomy One Health for Biotechnology (linking human, animal and environmental health) Regenerative Medicine Process Analytical Technology (PAT) Bioprocess Automation Cheminformatics	Submitted for the approval in Academic Council Meeting	

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall
			Medical Device Technology • GxP in Pharmaceutical Industry (Good Practices in pharma covering GMP, GLP, GCP, GDP, etc. **Action Taken :** It was decided that suitable courses from the above list will be: Mapped to UG/PG elective baskets and Honours / Minor tracks in R2026. Prioritized based on faculty expertise, infrastructure, and industry relevance. **Responsibility :** Module Coordinator **Target :** Immediate				
		Dr. C. Kabilan (Industry Expert)	**Applied Physics** Shift from general physics and Heat & Mass Transfer to a dedicated "Physics for Biotechnology" course focusing on biophysics fundamentals like biomolecular interactions, spectroscopy techniques, and biomechanics. Heat & Mass Transfer lacks direct biotech relevance, while biophysics supports protein folding studies, cellular mechanics, and instrument principles seen in programs like NIT Warangal's curriculum. **Analytical Instruments Progression** Introduce foundational coverage of Flow Cytometry (cell sorting), UV-Vis Spectroscopy (biomolecule quantification), and Dynamic Light Scattering (DLS for nanoparticle sizing) in Semesters I/II via integrated labs. Advance these in Semesters III/IV Analytical Techniques for deeper method validation and troubleshooting, building progressive skills essential for bioprocess characterization. **BEEE Digital Focus** Maintain the appreciated integrated Basic Electrical & Electronics Engineering (BEEE) structure but replace analog-heavy content with digital electronics tailored to biotech instruments, including sensors for bioreactors, data loggers, and automation interfaces in flow cytometers. **Biotech-Tailored Python** Redesign Python Programming from general topics to biotech applications: bioinformatics sequence analysis (Biopython), biological data visualization (Matplotlib/Seaborn), biostatistical modeling (SciPy/Statsmodels), and lab automation scripting. This leverages user expertise in data tools and virtual labs while integrating SWAYAM/NPTEL resources **Action Taken:** Applied Physics introduced as foundation course for biotechnology students. Heat & Mass Transfer removed; Biophysics modules integrated across Physics & Analytical courses. Flow Cytometry, UV-Vis, DLS added to Semester II Analytical Instruments BEEE syllabus digitized (70% digital electronics, sensors, IoT for biotech). Python for Biotechnology redesigned with biotech-specific projects and datasets. **Responsibility :** Module Coordinator **Target :** Immediate				Submitted for the approval in Academic Council Meeting

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall
		Mr. M. Vasudevan (Alumini)	Mr. M. Vasudevan (Business Unit Head, Cytiva - Hyclone Life Sciences Solutions, Bengaluru) commended the department's proactive approach in curriculum development and emphasized the need for greater focus on skill-based and industry-supported courses to directly enhance job opportunities for biotechnology graduates. Prioritize hands-on, skill-oriented courses that align with immediate industry requirements, such as: Advanced bioprocessing techniques (upstream/downstream optimization) Bioreactor operations and scale-up **Action Taken:** Quality control and assurance in biomanufacturing GMP/GLP compliance training The curriculum included specific industry supported courses as well as skill set based courses was given as one credit or value added courses associated with Industry **Responsibility :** Module Coordinator **Target :** Immediate				Submitted for the approval in Academic Council Meeting
		Student Representatives Mr. R. Manoj M & Ms. Sharmila M (IV Year)	The student mentors represented by Mr. R. Manoj M and Ms. Sharmila M provided valuable feedback from the student perspective during the BoS meeting. **Key Recommendations:** Inclusion of Biopharmaceutical Technology as a core/elective course to cover drug development, formulation, clinical trials, and regulatory affairs – highly relevant for industry careers in pharma-biotech sectors. Implementation of Core Training Courses specifically designed for competitive exam preparation, including: GATE Biotechnology, CSIR-NET Life Sciences, DBT-JRF, ICMR-JRF, State PSC exams for scientific officers Action taken: Career Skill Developmental training with core skills were implemented for improving the students core knowledge. **Responsibility :** Module Coordinator **Target :** Immediate				Submitted for the approval in Academic Council Meeting
3.	**Curriculum and Syllabi of PG programmes (R2025)**	Dr. Selvamani (Subject Expert) & Dr.C. Kabilan (Industry Expert)	PG R2025 (96 Credits): Discussed the different courses of all semesters. Sem I - **70 PDB 103 Advanced Biochemistry**, Sem II - **70 PDB 204 Biopharmaceutical Technology**, Sem III – **70 PDB 303 - Downstream Processing**, **And Project Phase-I.** Suggested to go for project phase I as technical paper discussion for improving effective communication and research aspects	New PG courses incorporated (96 credits). Approved by BOS members	Module Coordinator	Immediate	Submitted for the approval in Academic Council Meeting

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall
4.	**Revision in the Curriculum and Syllabi of I to V III semester (R2022) of UG Programmes and PG Programmes**	Dr. Arivanandhan, (University Nominee) Dr. Selvamani (Subject Expert) & Dr.C. Kabilan (Industry Expert) Mr.Vasudevan (Alumni)	**60 BT L03 – Production Technology of Agricultural and Food Processing Machinery** Unit IV Streamlined: Removed PHTC, RPEX, LSU, Drum Dryers, Refocused Content: Enhanced coverage of Solar Dryers and Spray Dryers. **60 BT E52 – Regulatory Affairs in Biotechnology** Syllabus revisions for (IBSC/RCGM, DBT), DMF (FDA/EMA, 21 CFR), FSSAI/IPR, simplified cleaning validation, and eCTD/ALCOA+ across Units I-V. Unit V deletes detailed HACCP/fire systems to prioritize biologics/GMP focus **Disaster Management** course has to be added for the upcoming students Changes and revision has been approved by BoS members or immediate student rollout, enhancing OBE/NBA compliance. **Responsibility :** Module Coordinator **Target :** Immediate	Based on the suggestions from the BoS members, the modifications have been made and submitted to the Academic Council for approval	Module Coordinator	Immediate	Submitted for the approval in Academic Council Meeting

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall

5. Curriculum and Syllabi for Minor and Honour Degree programmes (R2022 & R2026)

Discussion and Suggestion

The proposed Curriculum and Syllabi for Honour Degree programmes (R2022 & R2026) were presented by BoS Chairman.The list of courses are as follows.

S.No.	Course Code	Name of the Course	Credits
1	60 BT E16 / 70 BT E16	Food Biotechnology	3
2	60 BT E26 / 70 BT E26	Organic Farming for Sustainable Agriculture	3
3	60 BT E36 / 70 BT E36	Biotechniques in crop improvement	3
4	60 BT E46 / 70 BT E46	Agricultural Biotechnology	3
5	60 BT E56 / 70 BT E56	Biodiversity and its conservation	3
6	60 BT E57 / 70 BT E57	Crop Production Technology	3

Action taken

The proposed curriculum and syllabi for the Honour Degree programmes (R2022 & R2026), presented by the BoS Chairman and the members approved in the meeting. It is decided to submit it in the Academic Council meeting for further approval.

Responsibility : Module Coordinator

Target : Immediate

6. List of open elective courses and value- added courses

List of open elective course offered in Odd Semester (2025-2026)

S.No.	Dept	Course Code	Course Name	# students
1	BT	60 BT L01	Pollution and its management	60

List of open elective courses planned in Even Semester (2025-2026)

S.No.	Dept	Course Code	Course name
1	BT	60 BT L03	Production Technology of Agricultural and Food Processing Machinery
2	BT	60 BT L01	Agricultural Engineering

List of value- added course offered in Odd Semester (2025-2026)

S.No.	Name of Value Added Course	Name of Company	No of Students
1	Next Generation Sequencing (NGS)	Genotypic Technology	15

List of value- added courses planned to offer in Even Semester (2025-2026)

S.No	Planned for Academic Year (2025- 26) Even	Name of the Industry
2.	Innovation in RTE and RTS	Rithu Snacks, Namakkal
3	Sustainable Urban farming with Microgreen	Rudhran Microgreen, Chennai

Action taken

Dr. Arivanandhan, (University Nominee) Dr. Selvamani (Subject Expert) & Dr.C. Kabilan (Industry Expert) appreciated the list of open elective courses and

<table>
<tr><td>S.No</td><td>BoS Meeting No</td><td>29</td><td></td><td>Date:</td><td>23.12.2025</td><td>Venue:</td><td>Biotech Seminar Hall</td></tr>
<tr><td></td><td colspan="7">value- added courses suggested by BoS Chairman and submitted for the approval in Academic Council Meeting.</td></tr>
<tr><td>7.</td><td colspan="7">Discussion on proposed Curriculum for UG (I to VIII Semesters, R 2026) and PG (I to IV semesters, R2025) Programmes
I. Total UG Credits
Dr. B. Kalpana presented the proposed 164 credits across 8 semesters with 19-24 credits per semester, and all members approved this balanced structure for uniform progression.
II. R2026 Curriculum Review (I-VIII Semesters)
Dr. M. Arivanandhan recommended uniform 2-credit labs for all laboratory components, renaming "Pollution Management" to "Biowaste Management," and adding design thinking labs every semester, and all these recommendations were implemented across the curriculum.
III. R2025 PG Curriculum Review (I-IV Semesters)
Dr. P. Selvamani confirmed the 96 total credits meet OBE standards, NPTEL foreign language courses were added for global employability, and 1-month OD internships were approved with proper credit allocation, leading to full approval of the PG curriculum.
IV. Higher Education, Career, Startups & SDGs
Dr. C. Kabilan appreciated the foreign language courses for career guidance, mini projects and maker spaces for startup development, and SDG-focused courses like Biowaste Management and Sustainable Agribusiness, which were all successfully integrated.
V. NEP 2020 Compliance
Mr. M. Vasudevan verified multiple entry/exit options through flexible credits, 50% experiential learning via projects and internships, and multidisciplinary electives like AI and Multi-omics, confirming complete NEP 2020 alignment.
VI. Innovation & Design Thinking
Dr. B. Kalpana highlighted mandatory design thinking labs in all semesters, IDEA Lab in Semester II, fabrication lab, AI-driven Bioreactor Optimization, and Biostatistics courses to build problem-solving skills, and all were approved for implementation.
VII. Virtual Labs & Industry Courses
Dr. C. Kabilan confirmed virtual labs for Immunology, CADD, and Bioprocess through Primas Biosciences MoU, industry-sponsored labs, and 1-month internships with credit recognition, with all elements formally approved.
VIII. New Courses
All external members approved introduction of 22 new courses including Biostatistics in Semester III, AI Bioreactor in Semester VII, and 8 Open Electives like Biofuel Technology and Forensic Science, which were fully integrated into the R2026 curriculum.

Resolution: UG R2026 (164 credits) and PG R2025 (96 credits) curricula were approved for Academic Council ratification.</td></tr>
<tr><td>8.</td><td colspan="7">Discussion on Choice Based Credit System</td></tr>
<tr><td>I</td><td colspan="7">Dr. M. Arivanandhan confirmed full CBCS implementation with vertical electives like Cell Culture Technology.
Mr. M. Vasudevan verified NEP 2020 multiple entry/exit and electives (Regulatory Affairs, AI Bioreactor).
Dr. C. Kabilan approved industry-aligned specializations.
Dr. P. Selvamani confirmed NPTEL credit transfers.
Dr. B. Kalpana summarized 164 UG + 96 PG credits with 50% experiential learning.
Online certification courses were appreciated by BoS members and it is submitted for the Academic Council for further approval.</td></tr>
<tr><td>II</td><td colspan="7">List of One credit course offered in Odd Semester (2025-2026)
<table>
<tr><th>S.No.</th><th>Name of One Credit Course</th><th>Name of Company</th><th>No of Students</th></tr>
<tr><td>1</td><td>Indigenous Bio input production</td><td>Ellis Biotech Company</td><td>55</td></tr>
</table>
One credit course planned to offer by industry in Even of 2025-26
Discussion / Suggestion</td></tr>
</table>

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall

Dr. Arivanandhan, (University Nominee) Dr. Selvamani (Subject Expert) & Dr.C. Kabilan (Industry Expert) approved the one credit course to be offered in Even Semester namely Basics of Bioremediation Technology and Chromatographic techniques for bioproduct purification and it is submitted for the Academic Council for further approval.

III

SWAYAM/ NPTEL/ MOOC courses offered in Odd Semester and planned to offer in Even of 2025-26

List of NPTEL courses in ODD Semester 25-26

S.No	Name of the Course	No of Weeks
1	Artificial Intelligence in Drug Discovery and Development	12
2	Environmental Biotechnology	12
3	Industrial Biotechnology	12
4	Fundamentals of Bioprocess Engineering	12
5	Cell Culture Technologies	8
6	Tissue Engineering	8
7	Biomedical Nanotechnology	4
8	Human Physiology	12
9	Engineering Aspects of Biofuels and Biomass Conversion Technologies	12
10	Wild life Ecology	12
11	Internet of Things	12

List of NPTEL courses to be offered in Even of 2025-26

S.No	NPTEL Course Code	No of Weeks
1	Basics of Biology	12
2	Healthcare Entrepreneurship	12
3	Microbial Biotechnology	12
4	Introduction to complex biological systems	12
5	Human Physiology	12
6	Nanotechnology In Agriculture2	8
7	Computational Genomics	12
8	Basics of Crop Breeding and Plant Biotechnology	12
9	Data Analysis For Biologists2	8
10	Forests and their Management	12
11	Water Quality Management Practices	12

Dr. Arivanandhan, (University Nominee) Dr. Selvamani (Subject Expert) & Dr.C. Kabilan (Industry Expert) approved the list of NPTEL courses to be offered in Odd Semester and it is submitted for the Academic Council for further approval.

S.No	BoS Meeting No	29		Date:	23.12.2025	Venue:	Biotech Seminar Hall

9. **Stake holders feedback and action taken**

Stake Holder	Feedback Count
Employer	32
Alumni	34
Faculty	30
Students	62

Discussion and Suggestion

For **60 BT E52 – Regulatory Affairs in Biotechnology**, alumni suggested strengthening the syllabus. Sivaprakash recommended adding simple regulatory flow diagrams, real biotech regulatory case studies, and visual approval and validation pathways, while also including mock DMF and eCTD structures and inspection checklists to improve practical readiness.

For **60 BT L03 – Production Technology of Agricultural and Food Processing Machinery**, anonymous external stakeholders suggested that the fourth unit is too heavy and requested removal of PHTC, RPEX, LSU and drum dryers, with more focused coverage of solar dryers and spray dryers.

For **70 BT 502 – Bioprocess Technology**, employer Ayesha Shameema M requested inclusion of more industrial case studies in the fifth unit, and alumna Ashna Muthukrishnan suggested simplifying that unit by emphasising basic modelling concepts with industrial examples instead of only advanced modelling software.

For **60 BT 403 – Biochemical Thermodynamics**, alumni Yeswandhini S asked for additional real-life examples and applications to help students connect theory with practice.

For **60 BT E24 – Marine Biotechnology**, student Manoj R suggested adding marine food chain and food web topics, alumna Ashna Muthukrishnan commented that the syllabus is well-structured and relevant across biodiversity, aquaculture, biomaterials and sustainability, and alumna Yeswandhini S recommended an introductory overview, more case studies, visual aids, and a brief section on conservation versus exploitation; student Kaarmukilan noted that the content is evenly distributed.

For **60 BT 604 – Immunology and Immunotechnology**, alumna Mohanapriya Venkatachalam suggested integrating a laboratory component for better conceptual understanding.

For **60 BT E23 – Stem Cell Technology**, alumnus Dhanush Kumar stated that the syllabus already covers fundamental biology, handling and clinical applications adequately and requires no modification.

For **60 BT 401 & 60 BT 4P1** – Genetic Engineering and Laboratory, alumnus Sivaprakash recommended adding CRISPR case content and encouraging student seminars on advanced techniques.

For **60 BT E46 – Agricultural Biotechnology**, alumnus Jayavishnu suggested including biofortification, intellectual property rights in biotechnology, and explicit GMO and LMO concepts to strengthen regulatory and biosafety coverage.

Action Taken : Based on the suggestion from stakeholders, the content of the courses are revised and submitted to academic council for approval.

10.	Suggestions from IQAC	It also advised documenting course-wise stakeholder feedback and action taken, and formalising value added/one-credit industry courses, NPTEL credit transfer, internships, mini-projects, and virtual labs so that R2026 demonstrably achieves strong experiential learning in line with NEP 2020. **Action taken:** Suggestions from the IQAC such as NPTEL credit transfer, internships, mini-projects, and virtual labs were implemented as per NEP 2020. **Responsibility :** Module Coordinator **Target :** Immediate
11.	Any other matters	Overall curriculum R2026 discussed with new modern courses. Members appreciated the curriculum and suggested to go head with practical aspects. Changes in Vision and Mission also discussed with global standards in Biotechnology.

BoS Chairman **Dean /Academics** **Dean/Admin** **Principal**

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

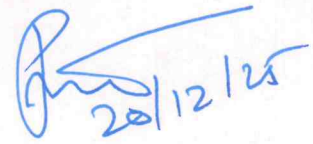
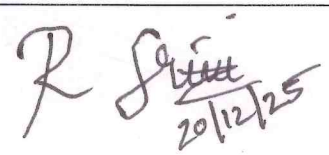
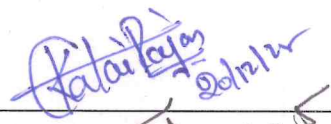
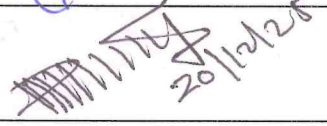
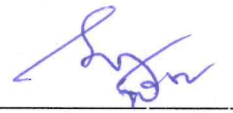
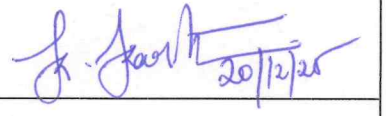
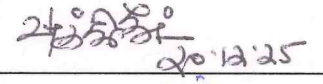
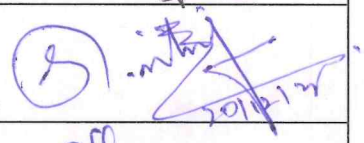
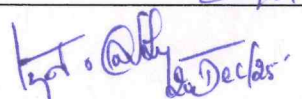
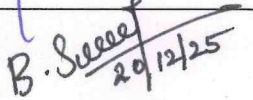
Department of Food Technology (UG &PG)

Attendance Sheet

The 29th Meeting of the Board of studies of the Food Technology was held on 20th December 2025 at 11.30 a.m. at FT Meeting Hall and the following members were present:

S. No.	Name	Designation	Designation & Institution	Signature
1.	Dr. K. Prabha	Associate Professor & Head Department of Food Technology K.S.Rangasamy College of Technology Tiruchengode-637215 Tamil Nadu Mail ID: hodft@ksrct.ac.in	Chairman	
2.	Dr. M. Arivanandhan	Professor, Centre for Nanoscience and Technology, Anna University, Chennai - 600 025. Mail: arivucz@gmail.com Mobile: +91 74011 82819	University Nominee	
3.	Dr. T. V. Ranganathan,	Professor, Department of Food Processing Technology, Karunya University, Karunya Nagar, Coimbatore. Mail: ranganathan@karunya.edu Mobile: 9487846976	Academic Experts	
4.	Dr. Jeyan Arthur Moses	Assistant Professor and In-Charge, Computational Modeling and Nanoscale Processing Unit, National Institute of Food Technology, Entrepreneurship and Management, Pudukkottai Road, Thanjavur - 613 005. Mail: moses.ja@iifpt.edu.in Mobile: 9750968433	Academic Experts	

Original.

5.	Dr. Sathiyamoorthy	Managing Director, Moon Foods, Tiruchengode, Namakkal. Mobile : 9710454060	Industrial Expert	
6.	Mr. Srinivasan R	Senior Officer - QA/QC, CP Norfolk India Pvt Ltd, Chittoor. Mail: srinivasan.ram@cpnorfolk.in Phone: 8144936800	Alumni Member	
7.	Mr. P. Kalai Rajan	Assistant Professor/ BOS In-charge	Internal Members	
8.	Dr. P. Muthusamy	Professor		
9.	Dr. K. Balasubramani	Associate Professor		
10.	Dr. K. Kavitha	Associate Professor		
11.	Mr. S. Vanchinathan	Assistant Professor		
12.	Mr. S. Nithishkumar	Assistant Professor		
13.	Mr.T. G. N. Nagarjun	Assistant Professor		
14.	Ms. B. Srinithi Priya	Assistant Professor		

15.	Dr. M. Umai Arasi	Associate Professor	Internal Member	
16.	Anubharathi M	III - UG	Student Member	
17.	Harish P	III - UG		
18.	Ritubarna T T	II - UG		
19.	Pradeep S	II - UG		
20.	Ghajit Guru K S	I - PG		
21.	Tamil Selvan V	I - PG		
22.	Semmalar I	I - PG		

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Minutes of the Board of Studies Meeting

Department of Food Technology (UG &PG)

The Board of Studies meeting held on 20.12.2025 with the Greeting and welcome by the Board of Studies Chairman. The Chairman of BOS introduces the members to the forum. The following members were present in 29th BoS Meeting.

S. No.	Name	Designation & Institution	Designation
1.	Dr. K. Prabha	Associate Professor & Head Department of Food Technology K.S.Rangasamy College of Technology, Tiruchengode-637215	Chairman
2.	Dr. M. Arivanandhan	Professor, Centre for Nanoscience and Technology, Anna University,Chennai - 600 025.	University Nominee
3.	Dr. T. V. Ranganathan,	Professor, Department of Food Processing Technology, Karunya University, Karunya Nagar, Coimbatore.	Academic Experts
4.	Dr. Jayan Moses	Assistant Professor and In-Charge, Computational Modeling and Nanoscale Processing Unit, National Institute of Food Technology, Entrepreneurship and Management, Pudukkottai Road, Thanjavur - 613 005.	Academic Experts
5.	Dr. Sathiyamoorthy	Managing Director, Moon Foods, Tiruchengode – 637 215	Industrial Expert
6.	Mr. Srinivasan R	Senior Officer - QA/QC, CP Norfolk India Pvt Ltd, Chittoor.	Alumni Member
7.	Mr. P. Kalai Rajan	Assistant Professor	Internal Members
8.	Dr. P. Muthusamy	Professor	
9.	Dr. K. Balasubramani	Associate Professor	
10.	Dr. K. Kavitha	Associate Professor	
11.	Mr. S. Vanchinathan	Assistant Professor	
12.	Mr. S. Nithishkumar	Assistant Professor	
13.	Mr.T. G. N. Nagarjun	Assistant Professor	
14.	Ms. B. Srinithi Priya	Assistant Professor	
15.	Dr. M. Umai Arasi	Associate Professor	

The Chairman of Board of Studies explained the academic process followed in the Department which includes the completed Regulation, Teaching and Learning process, funded projects received and the major achievement of the Department.

The detailed discussion made by the Internal and external members as given in the agenda are given below:

BoS Meeting No			**29**	**Date: 20.12.2025**		**Venue: Smart Class Room, Department of Food Technology**	
S. No.	**Agenda**	**Name & Nominee**	**Discussions / Suggestions**	**Action to be Taken**	**Responsibility**	**Target**	**Remarks**
1.	**Curriculum of UG programmes (R2026)**	Dr. M. Arivanandhan (University Nominee)	Suggested strengthening core engineering orientation in Semester I.	As per the suggestions, **26FT0C01T - Human Nutrition** introduced in R 2026 curriculum.	Module Coordinator	Immediate	Submitted to Academic Council
		Dr. Jayan Moses (Subject Expert)	Suggested restructuring of Semester II to strengthen engineering and science foundation.	Based on the suggestions, **26ME0C02T-Engineering Graphics, 26CY0C07I-Chemistry for Life Science** and **26PH0C06I-Applied Physics** included.	Module Coordinator	Immediate	Submitted to Academic Council
		Dr. T. V. Ranganathan (Subject Expert)	Recommended to avoid the repetition of draft and overlapping courses in Semester III and introduction of dedicated laboratories.	Based on the suggestions, **Food Process Calculation** and **Engineering Properties of Food Materials, Fruit, Vegetable and Plantation Technology Laboratory** and **Food Microbiology Laboratory** courses are introduced.	Module Coordinator	Immediate	Submitted to Academic Council

		Dr. Sathiyamoorthy (Industry Expert)	Suggested industry-oriented restructuring in Semester IV with focus on processing operations and computational course.	Based on the suggestions, **Cereals, Pulses and Oil Seeds Technology and Computational Tools for Food Technology** are introduced	Module Coordinator	Immediate	Submitted to Academic Council
		Mr. Srinivasan R (Alumni)	Recommended strengthening laboratory exposure and entrepreneurship orientation in Semester V.	Based on the suggestions, **Startups and Entrepreneurship, Baking and Pastry Laboratory and Dairy Technology Laboratory** introduced.	Module Coordinator	Immediate	Submitted to Academic Council
		Dr. Sathiyamoorthy (Industry Expert)	Suggested clear specialization and sensory evaluation focus in Semester VI.	Based on the suggestions, **Sensory Evaluation** and **Beverage Technology are** introduced.	Module Coordinator	Immediate	Submitted to Academic Council
		Dr. Jayan Moses (Subject Expert)	Suggested restructuring of Semester VII with research and advanced processing orientation.	Based on the suggestions, **Thermal and Non-Thermal Processing, Food Packaging Technology, Research Skill Development, Food Packaging Laboratory** and **Project Phase–I** are introduced.	Module Coordinator	Immediate	Submitted to Academic Council

<table>
<tr><td>2.</td><td>Curriculum and Syllabi of PG programmes (R2025)</td><td colspan="5">The BoS members have officially approved the continuation of the PG R2025 curriculum and syllabi. It was concluded that the existing academic structure provides an adequate foundation for student development and requires no immediate revisions.</td><td>Submitted to Academic Council</td></tr>
<tr><td>3.</td><td>Revision in the Curriculum and Syllabi of I to V semester (R2022) of UG Programmes and PG Programmes.</td><td>BoS Members</td><td>Suggested to include course related to Environmental Science in Semester VI</td><td>Based on the suggestions, 60 MY 004-Disaster Management is introduced.</td><td>Module Coordinator</td><td>Immediate</td><td>Submitted to Academic Council</td></tr>
<tr><td>4.</td><td colspan="7">Curriculum and Syllabi for Minor and Honour Degree programmes (R2022 & R2026)
Discussion and Suggestion
The proposed Curriculum and Syllabi for Honour Degree programmes (R2022) were presented by BoS Chairman. The list of courses are as follows.
<table>
<tr><th>S. No.</th><th>Course Code</th><th>Name of the Course</th><th>No. of Credits</th></tr>
<tr><td>1</td><td>60 FT E17</td><td>Drying Technology</td><td>3</td></tr>
<tr><td>2</td><td>60 FT E27</td><td>Flavouring Technology</td><td>3</td></tr>
<tr><td>3</td><td>60 FT E46</td><td>Industrial Production of Bun, Bread, Cakes and Pastries</td><td>3</td></tr>
<tr><td>4</td><td>60 FT E25</td><td>Food Storage and Cold Chain Management</td><td>3</td></tr>
<tr><td>5</td><td>60 FT E43</td><td>Fruit and Vegetable Storage</td><td>3</td></tr>
<tr><td>6</td><td>60 FT E57</td><td>Waste Management and By-products Development in Food Industries</td><td>3</td></tr>
</table>
Action taken
The proposed curriculum and syllabi for the Honour Degree programmes (R2022), presented by the BoS Chairman, were passed in the meeting and submitted for approval in the Academic Council</td></tr>
</table>

5.	**List of open elective courses and value-added courses** **List of open elective course offered in Odd Semester (2025-2026)** **List of open elective courses planned in Even Semester (2025-2026)** **List of value- added courses planned to offer in Even Semester (2025-2026)** **Action taken** Dr. Arivanandhan, (University Nominee) Dr. T. V. Ranganathan (Subject Expert) & Dr. Sathiyamoorthy (Industry Expert) appreciated the list of open elective courses and value- added courses presented by BoS Chairman and submitted for the approval in Academic Council .

S. No.	Dept.	Course Code	Course Name
1	FT	60 FT L03	Food Supply Chain Management

S. No.	Dept.	Course Code	Course Name
1	FT	60 FT L01	Nutrition and Healthy Life

S. No.	Name of the Course	Name of the Industry	No. of Hours
1.	Industrial Bakery Product Development	Moon Foods Pvt., Ltd., Nammakkal	30
2.	Sensory Quality & Consumer Acceptance Studies	Earthy Orgins, Nammakkal	30

6.	**Discussion on proposed Curriculum for UG (I to VIII Semesters, R 2026) and PG (I to IV semesters, R2025) Programmes** **I. Total UG Credits** BoS Chairman presented the proposed 164 credits across 8 semesters with 19-24 credits per semester, and all members approved this balanced structure for uniform progression. **II. R2026 Curriculum Review (I-VIII Semesters)** Dr. M. Arivanandhan recommended uniform 2-credit labs for all laboratory components, and introduction of Industrial oriented Courses in every semester. All these recommendations were implemented across the curriculum. **III. R2025 PG Curriculum Review (I-IV Semesters)** The BoS Members are requested to proceed with existing curriculum and syllabi of R2025. **IV. Higher Education, Career, Startups & SDGs** Bos Members appreciated the foreign language courses for career guidance, mini projects and maker spaces for startup development, and SDG-focused courses like Biowaste Management and Sustainable Agribusiness, which were all successfully integrated. **V. NEP 2020 Compliance** Bos members verified multiple entry/exit options through flexible credits, 50% experiential learning via projects and internships, and multidisciplinary electives like AI and Multi-omics, confirming complete NEP 2020 alignment. **VI. Innovation & Design Thinking** BoS chairman highlighted mandatory design thinking labs in all semesters, IDEA Lab in Semester II, fabrication lab, Computational tools for Food technology, and Sensory Evaluation to build problem-solving skills, Product development skill and all were approved for implementation. **Action Taken:** BoS members appreciated the effective implement of Design Thinking Skills in various semester. **VII. Virtual Labs & Industry Courses** The Bos members are suggested to add more Virtual lab and also encourage to Collaborate with industry for industry supported lab. **Action Taken:** BoS recommendations were accepted and appreciate the involvement of industry-supported courses. **VIII. New Courses** External members approved the introduction of new courses designed to meet industry needs and integrate high-demand skills into the R2026 curriculum. **Action Taken**: UG R2026 (164 credits) and PG R2025 (96 credits) curricula were unanimously approved and submitted for the approval of Academic Council.

7.	**Discussion on Choice Based Credit System**

I

One credit course planned to offer by industry in Even of 2025-26

Discussion / Suggestions

Dr. Arivanandhan, (University Nominee) Dr. Jayan Moses (Subject Expert) & Dr. Sathiyamoorthy(Industry Expert) approved the one credit course to be offered in Even Semester and it is submitted for the Academic Council for further approval.

The BoS member suggested to include the following one credit courses.

S. No.	Course Name	Industry Supporting	Hours
1	Academic – Industry Integrated Course on Food Safety & Quality System	Food Roots, Coimbatore	30
2	ISO-FSSC-HACCP Certification course for Food Technology	ALS Testing Services India Pvt Ltd, Bangalore	30

II

SWAYAM/ NPTEL/ MOOC courses offered in Odd Semester and planned to offer in Even of 2024-25

List of NPTEL courses planned to offer in Even Semester of 2025-26

S. No.	NPTEL Course Name	Weeks
1	Food Science and Technology	12
2	Novel Technologies for Food Processing and Shelf Life Extension	12
3	Modern Food Packaging Technologies	12
4	Food Microbiology for Safe and Sustainable Food Systems	12
5	Introduction to , 4.0 and Industrial Internet of Thinking	12

Dr. Arivanandhan, (University Nominee) Dr. Jayan Moses (Subject Expert) & Dr. Sathiyamoorthy(Industry Expert) approved the list of NPTEL courses to be offered in Odd Semester and it is submitted for the Academic Council for further approval.

III

Skill based courses planned to offer 2025-2026 (Even Semester)

S. No.	Course Name	Industry Supporting	No. of Hours
1	Analytical & Lab Skills	Foodfinity, Erode	30
2	Value-Added Food Product Development	NAS Foods PVT., LTD., Krishnagiri	30

IV **International Certification identification of certifications for the forthcoming Semesters 2025-2026 (Even Semester)**

S. No.	Course Name	Industry Supporting
1	HACCP Level 3: Codex-based hazard control.	ALS Testing Services India Pvt Ltd, Bangalore
2	ISO 22000 Internal Auditor (Food Safety Management Systems), (FSMS/ISO 22000)	ALS Testing Services India Pvt Ltd, Bangalore

V **Roll out of laboratories classes to encourage students to participate in Design Contests, Hackathon, Ideathon, and similar event**

Bos members are appreciated that the current Learning components was enough to enhance Design Thinking capabilities of Food Technology students. These modules encourage students to translate laboratory findings into viable products for national and international competitions, ensuring they gain exposure to the industry's fast-paced innovation ecosystem

VI **Evaluation plan for Integrated courses, Project based & System based courses**

BoS member noted that the current assessment pattern is strategically designed to provide a comprehensive evaluation of the Integrated Course. By balancing Theory (60 marks) for fundamental knowledge and Lab (100 marks) for practical skill, the system effectively captures a student's total proficiency.

VII **Internship details of students (II, III & IV Year)**

The details of students completed their Internships are given below:

Year	II	III	IV
No. of Students	16	34	23

8. **Stake holders feedback and action taken**

Stakeholder	Feedback Received	Discussion
Industry Experts	Curriculum should align more closely with current industry practices, food safety regulations (FSSAI, Codex), and emerging technologies.	Courses updated to include food safety documentation, HACCP, quality systems, regulatory compliance, and advanced processing technologies.
Employers	Graduates need stronger practical skills, SOP writing ability, and exposure to real-time industrial operations.	Skill-based laboratories, SOP writing, case studies, and industry-oriented practicals introduced across core and elective courses.
Alumni	Need more hands-on training, industry-relevant electives, and specialization options.	Vertical-based professional electives introduced, offering clear specialization tracks such as Bakery, Nutrition, Processing, Sustainability, etc.

	Students	Request for more laboratory exposure, internships, and project-based learning.	Additional laboratories, design thinking labs, internships, minor projects, and project-based learning components incorporated.
	Action Taken Based on the suggestion from stakeholders, the content of the courses are revised and submitted to academic council for approval.		
9.	**Suggestions from IQAC**	It also advised documenting course-wise stakeholder feedback and action taken, and formalising value added/one-credit industry courses, NPTEL credit transfer, internships, mini-projects, and virtual labs so that R2026 demonstrably achieves strong experiential learning in line with NEP 2020. **Action Taken:** Course-wise stakeholder feedback was systematically documented with actions taken, and value-added courses, NPTEL credit transfer, internships, mini projects, and virtual labs were formalized in alignment with NEP 2020.	
10.	**Any other matters**	➢ Dr. Jayan Moses (Subject Expert) & Dr. M. Arivanandhan (University Nominee) Suggested to retain with the current vision and mission of the department based on the stakeholder feedback. Action Taken: Based on stakeholder feedback, the existing vision and mission of the department were reviewed and retained as recommended by the subject expert and university nominee. ➢ Dr. M. Arivanandhan (University Nominee) Suggested to Internship should be completed in III year itself and to offer only in Even Semester. Action Taken: The internship was scheduled exclusively during the Even Semester, as suggested. ➢ Dr. M. Arivanandhan (University Nominee) Suggested to maintain only one Research Skill Development Course. Action Taken: The curriculum was revised to retain only one Research Skill Development Course, as recommended by the university nominee.	

BoS Chairman **Dean Academics** **Dean Admin** **Principal**

K. S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE -637 215
(An Autonomous Institution, affiliated to Anna University, Chennai and Approved by AICTE, New Delhi)

ATTENDANCE OF 29th BOARD OF STUDIES

Department : Textile Technology
Programme : UG & PG Textile Technology (4 Years)
Venue : Mechanical Board Room
Date and Time : 20.12.2025 and 10.00 A.M.

S. No.	Name, Designation & Address	Position	Signature
1.	**Dr. G. Karthikeyan** Professor & HOD Dept. of Textile Technology K. S. Rangasamy College of Technology Mobile No.: 9842840809 Email Id : karthikeyang@ksrct.ac.in	Chairman	
2.	**Dr. M. Arivanandhan** Professor Centre for Nanoscience and Technology Anna University Chennai – 600 025. E-Mail id : arivucz@gmail.com Mobile No. : 7401182819	University Nominee	online
3.	**Dr. V. Ramesh Babu** Associate Professor & Head, Department of Textile Technology, Kumaraguru College of Technology, Saravanamaptti, Coimbatore- 641049. E-Mail : salemramesh@yahoo.com Mobile : 9944000055	Subject Expert nominated by Academic Council	online
4.	**Dr.J.C.Sakthivel** Associate professor Department of Textile Technology PSG College of Technology Coimbatore E-Mail id : jcs.textile@psgtech.ac.in Mobile No. : 9894431230	Subject Expert nominated by Academic Council	
5.	**Mr. P. Karnan** Regional Sales Manager, Rieter India Private Limited Avinashi Road, Coimbatore – 641 014. Email Id: karnan.palanisamy@rieter.com Mobile No.: 9787725232	Industrial Expert nominated by Academic Council	online
6.	**Mr.S. Arunprasad** Managing Director, Aishwariyaa Packaging Tirupur E-Mail id : arunvgb@gmail.com Mobile No. : 9500544205	Alumnus	

S. No.	Name, Designation & Address	Position	Signature
7.	**Dr. M.B. Sampath** Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : sampath@ksrct.ac.in	Member (Subject Expert from the department)	
8.	**Mr. G. Devanand** Asst. Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : devanandg@ksrct.ac.in		
9.	**Dr. C. Premalatha** Asst. Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : premalatha@ksrct.ac.in		
10.	**Mr. M. Arunkumar** Asst. Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : arunkumar@ksrct.ac.in		
11.	**Mr. A.S. Subburaayasaran** Asst. Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : subburaayasaran@ksrct.ac.in		
12.	**Mr. P. Maheswaran** Asst. Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : pmaheswaran@ksrct.ac.in		
13.	**Mr. J. Thiyagarajan** Asst. Professor Dept. of Textile Technology, K. S. Rangasamy College of Technology Email Id : thiyagarajanj@ksrct.ac.in		
14.	**Dr. K. Prabakaran** Professor Dept. of Textile Technology, (Maths) K. S. Rangasamy College of Technology Email Id : prabakaran@ksrct.ac.in		
15.	Mr. Kannan K F/o. Mr. K. Yathra II – Textile	Parents	
16.	Mr. Manikandan R F/o. Ms. M. Nisha II – Textile		R. Manikandan

S. No.	Name, Designation & Address	Position	Signature
17.	Mr. S. Ramesh III - Textile	Student Member	
18.	Ms. B. Kanniyammal III - Textile		
19.	Ms. C. Sowmiya IV - Textile		
20.	Dr. A. Palaniappan Professor & Head Dept. of English, KSRCT Mobile No: 9894366121 Email Id: palaniappan@ksrct.ac.in	(Subject Expert from the Department)	
21.	Mr. R. Selvarasu Assistant Professor Dept. of English, KSRCT Mobile No: 8838080210 Email Id: selvarasu@ksrct.ac.in		
22.	Ms. P. Narmatha Assistant Professor Dept. of Tamil, KSRCT Mobile No: 9790250500 Email Id: narmathaprakash85@ksrct.ac.in		
23.	Dr. V. Vasudevan Associate Professor Dept. of Physics, KSRCT Mobile No: 9965006192 Email Id: vasudevan@ksrct.ac.in		
24.	Dr. M. Tamilvanan Associate Professor Dept. of Chemistry, KSRCT Mobile No: 6384079199 Email Id: tamilvanan@ksrct.ac.in		
25.	Dr. K. Santhanam Professor Dept. of Mechanical, KSRCT Mobile No: 98422887155 Email Id: santhanam@ksrct.ac.in		
26.	Mr. R.T. Dineshkumar Assistant Professor Dept. of IT KSRCT Mobile No: 9952762214 Email Id: dineshkumarrt@ksrct.ac.in		

BoS – Chairman

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Textile Technology (UG & PG)

BoS Meeting No.	29	Date	20.12.2025	Venue	Mechanical Board Room

The BoS Chairman warmly welcomed all the esteemed members of the Board of Studies and thanked them for their valuable presence. He expressed hope for fruitful discussions and constructive suggestions during the meeting.

S. No	Agenda	Name & Nominee	Discussion / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	**Curriculum and Syllabi of I & II Semester (R2026).**	Dr. J.C. Sakthivel (Subject Expert)	• Suggested to have the topic **"Classification of Textiles"** as the first title in unit I. Also unit titled **"High-Performance Fibres"** must be moved to unit V of the course **26TT0201T Fibre science.** The topic titled **"Moisture content and moisture regain"** to be removed from Unit V.	Necessary changes are updated in syllabus	Module Coordinator BoS Chairman	Immediate	Submitted to Academic Council for further approval.
		Dr. M. Arivanandhan (University Nominee)	• Suggested to check the AICTE Model Curriculum for the course **"Biology for Engineers"** • Also suggested to check with AICTE Model Curriculum for the no.of hours and credits for Internship in the allotted semesters.	It is common course for all programmes. Will follow the recommendations of Autonomous cell			
		Dr. J.C. Sakthivel (Subject Expert) Dr.V. Ramesh Babu (Subject Expert)	• Suggested to move NSS/NCC etc,. from VII Semester to earlier semesters.	It is common for all programmes. Will follow the recommendations of Autonomous cell			
			• Suggested to revise Unit V Syllabus of the Course **"Chemistry for Textile"** based on the topic **"Dye Chemistry".**	Necessary corrections were made as per suggestions of members			

<table>
<tr><td>2.</td><td>Curriculum and Syllabi of PG Programmes (R2025).</td><td>Dr. M. Arivanandhan
(University Nominee
Dr. J.C. Sakthivel)
(Subject Expert)
Dr.V. Ramesh Babu
(Subject Expert)</td><td>• Suggested to have all the electives in one basket, so that the student can select any one from the list.</td><td>It is common for all programmes. Will follow the recommendations of Autonomous cell</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>3.</td><td>Revision in the Curriculum and Syllabi of I to VIII Semester (R2022) of UG Programmes and PG Programmes.</td><td>Dr. M. Arivanandhan
(University Nominee
Dr. J.C. Sakthivel)
(Subject Expert)
Dr.V. Ramesh Babu
(Subject Expert)</td><td>• Suggested to implement product development-based experiments using available machineries</td><td>Based on available machines necessary steps will be taken</td><td>BoS Chairman</td><td>Before the Commencement of AY: 2025-2026 (Even semester)</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>4.</td><td>Curriculum and Syllabi for Minor and Honour Degree Programmes (UG: R2022 & R2026).</td><td>External Members</td><td>• Members suggested to include advanced practical experiments and align electives with NEP 2020.</td><td>While preparing syllabus for R 2026, necessary points will be considered</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td rowspan="2">5.</td><td>List of open elective courses offered in 2025-2026 (ODD Semester)</td><td colspan="6"><table><tr><th>S.No</th><th>Course Name</th><th>Semester</th><th>No.of students</th></tr><tr><td>1</td><td>60TT L03 - Introduction to Fashion Design</td><td>V</td><td>50</td></tr></table></td></tr>
<tr><td>List of open elective courses planned to offer in 2025-2026 (EVEN Semester)</td><td colspan="6"><table><tr><th>S.No</th><th>Course Name</th><th>Semester</th></tr><tr><td>1</td><td>60 TT L01- Fiber Science and Technology</td><td>IV & VI</td></tr><tr><td>2</td><td>60 TT L02 - Basics of Textile Technology</td><td>IV & VI</td></tr></table></td></tr>
<tr><td rowspan="2">6.</td><td>List of value-added courses offered in 2025-2026 (ODD Semester)</td><td colspan="6"><table><tr><th>S.No</th><th>Course Name</th><th>Semester</th><th>No.of students</th></tr><tr><td>1</td><td>Fashion Crafting</td><td>VII</td><td>10</td></tr></table></td></tr>
<tr><td>List of value-added courses planned to offer in 2025-2026 (EVEN Semester)</td><td colspan="6"><table><tr><th>S.No</th><th>Course Name</th><th>Semester</th></tr><tr><td>1</td><td>Garment Merchandising</td><td>VI</td></tr></table></td></tr>
<tr><td>7.</td><td>Discussion on Curriculum for UG (I to VIII Semesters, R 2022) Programme</td><td colspan="6">There is no recommendation for changes in R2022 UG Curriculum and Syllabus</td></tr>
<tr><td>8</td><td>Discussion on proposed Curriculum for UG (III to VIII Semesters, R 2026)</td><td>Dr. J.C. Sakthivel
(Subject Expert)
Dr.V. Ramesh Babu
(Subject Expert)</td><td>• Suggested to have one unit specifically on Textile CAD in 26ME0C05L – Computer Aided Drafting course
• Suggested to have total credits may be limited to 164 in R 2026 regulation</td><td>Necessary changes are updated in syllabus</td><td>Module Coordinator
BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
</table>

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<tr><td></td><td></td><td></td><td>• Curriculum and syllabi meet the requirements to pursue higher education, career guidance and startups and entrepreneurship by offering the following courses:
<table><tr><th>S.No</th><th>Course Name</th></tr><tr><td>1</td><td>Career Skill Development I, II & III</td></tr><tr><td>2</td><td>Startups and Entrepreneurship</td></tr><tr><td>3</td><td>Research Skill Development</td></tr></table></td><td></td><td></td><td></td><td></td></tr>
<tr><td>9.</td><td>Discussion on Curriculum for PG (I to IV Semesters, R 2025)</td><td>Dr. M. Arivanandhan (University Nominee)</td><td>Members' suggestion and reasoning to incorporate the following.
• Introduce more courses on advanced technologies
• Include Management related paper for PG students</td><td>Necessary changes are updated in syllabus</td><td>BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>10.</td><td>Curriculum Meeting the Requirements of NEP 2020</td><td>Dr. J.C. Sakthivel (Subject Expert)</td><td>Members' appreciated the following.
• Flexibility in electives, enabling multidisciplinary learning
• Introduction of Design Thinking and Critical Thinking courses
• Focus on Life skills and Universal Human Values for holistic development</td><td>Appreciated</td><td>BoS Chairman</td><td>-</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>11.</td><td>Curriculum & Syllabi to Support Student Involvement in Innovative, Design & Critical Thinking Abilities and Problem-Solving Skills</td><td>Dr. M. Arivanandhan (University Nominee</td><td>Members' appreciated the following.
• Courses like Design Thinking, Fabrication & Reverse Engineering Lab, and Innovation Labs encourage creativity
• Research projects and capstone projects in the final year foster problem-solving skills.
• Emphasis on AI and machine learning applications in textiles adds to design-oriented learning</td><td>Appreciated</td><td>BoS Chairman</td><td>-</td><td>Submitted to Academic Council for further approval.</td></tr>
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<tr><td>12.</td><td>Incorporation of Virtual Laboratory & Industry Sponsored/Supported Courses and Laboratories</td><td>Dr.V. Ramesh Babu
(Subject Expert)</td><td>Members' suggestion and reasoning to incorporate the following.
Industry-Supported Labs: Apparel Manufacturing Lab and Textile Testing Lab to collaborate with industry leaders for hands-on training.
Virtual Labs: Python Programming Lab, Fabrication Lab, and AI applications lab, may be termed as virtuals labs</td><td>Necessary changes are updated in syllabus</td><td>Module Coordinator
BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td>13.</td><td>Introduction of New Courses</td><td>Expert Members</td><td>Members approved the roll out of the following courses<table><tr><th>S.No</th><th>Course Name</th></tr><tr><td>1</td><td>Functional Textiles</td></tr><tr><td>2</td><td>Lean and Six Sigma for Textiles</td></tr><tr><td>3</td><td>AI and Machine Learning in Textile</td></tr><tr><td>4</td><td>Speciality Textile Materials</td></tr></table></td><td>Necessary changes are updated in syllabus</td><td>Module Coordinator
BoS Chairman</td><td>Immediate</td><td>Submitted to Academic Council for further approval.</td></tr>
<tr><td rowspan="2">14.</td><td>Self-Study Courses (SWAYAM/NPTEL/MOOC) Offered in 2025-26 Odd Semester</td><td colspan="5">The following NPTEL courses were recommended for the students in 2025-2026 (ODD Semester).<table><tr><th>S. No.</th><th>Course Name</th><th>Semester</th><th>No. of Weeks</th><th>Students</th></tr><tr><td>1</td><td>Principles Of Combing, Roving</td><td>III</td><td>12</td><td>33</td></tr><tr><td>2</td><td>Supply Chain Management and Logistics</td><td>V & VII</td><td>12</td><td>110</td></tr></table></td></tr>
<tr><td>Self-Study Courses (SWAYAM/NPTEL/MOOC) Offered in 2025-26 Even Semester</td><td colspan="5"><table><tr><th>S. No.</th><th>Course Name</th><th>Semester</th><th>No. of Weeks</th><th>Students</th></tr><tr><td>1</td><td>Introduction to Internet of Things</td><td>IV & VI</td><td>12</td><td>97</td></tr><tr><td>2</td><td>Effective Learning for professional Development.</td><td>II</td><td>08</td><td>31</td></tr></table></td></tr>
<tr><td rowspan="2">15.</td><td>One Credit Courses Offered in 2025-2026 (ODD Semester)</td><td colspan="5"><table><tr><th>S.No</th><th>Course Code</th><th>Course Name</th><th>Semester</th><th>No. of Students</th><th>Resource Person</th></tr><tr><td>1</td><td>60 TT SE 01</td><td>Information Technology for Apparel and Fashion Industry</td><td>V</td><td>25</td><td>Mr. Raguvaran
AP / ECE
KSRCT</td></tr></table></td></tr>
<tr><td>One Credit Courses Proposed in 2025-2026 (Even Semester)</td><td colspan="5"><table><tr><th>S. No.</th><th>Course Code</th><th>Course Name</th><th>Semester-</th><th>No. of Students</th><th>Resource Person</th></tr><tr><td>1</td><td>60 TT SE 02</td><td>Eco friendly Dyeing</td><td>IV</td><td>10</td><td>Mr. Subramani
Indigo Fusion
Erode</td></tr></table></td></tr>
</table>

16. **Skill-Based Courses Offered in 2025-26 (ODD Semester)**

Members approved the following

S.No	Course Name	Semester	No. of Students	No. of Hours
1	Knitting Technology	V	56	62
2	Non-Woven Technology	VII	53	64

Skill-Based Courses Proposed in 2025-26 (Even Semester)

Members approved the following

S.No	Course Name	Semester
1	Textile Chemical Processing I	IV
2	Technical Textiles II	VI
3	Industrial Engineering in Textile and Clothing Industry	VI

17. **Roll Out of Laboratory Classes to Encourage Design Contests, Hackathons, and Ideathons**

Members suggested the following courses may be used for design contests and ideathons

S.No	Course Name	Semester
1	60 TT 603 - Technical Textiles II	VI
2	60 TT 6P1 - Garment Construction Laboratory I	VI

18. **Internship Details of Students (2nd, 3rd & 4th Year)**

Members suggested the following

- Provide mentorship from industry professionals for final-year projects.

The details of the internship completed during the academic year 2025–2026 (ODD Semester) are given below.

S. No.	Admitted Batch	No. of Weeks			Total No. of Students
		2	6	8	
1	2022-2026	-	-	53	53
2	2023-2027	14	42	-	56
3	2024-2028	18	27	-	47

19. **Stakeholders' Feedback and Action Taken Report.**

The following suggestions are given by stakeholders

- Mr. V. Veeraraghavan, suggested updating "waste water treatment and recycling" in **Textile Chemical Processing** course
- Ms. PP. Kavya, suggested to add the following topics in **Fabric Manufacturing Technology II :** Handloom and Khadi, Harness Ties
- Mr. S. Sunderesan, suggested to add the course AI and IOT in the curriculum. Also give more emphasis on eco-friendly fibres in the course **High Performance Fibres**

While preparing syllabus for R 2026, the suggestions will be incorporated

Module Coordinator BoS Chairman

Immediate

Submitted to Academic Council for further approval

		Suggestions	Action Taken	Responsibility	Target	Remarks
20.	**Suggestions from IQAC**	1. Introduce courses related to Sustainability Development 2. Involvement of senior academicians and industry experts, particularly distinguished alumni and professionals from MoU-signed organizations, to enhance research quality, relevance, and employability outcomes.	1. The Sustainability Development Courses are 60 TT 502 – Textile Chemical Processing II (V Sem), 60 MY 003 – Startups and Entrepreneurship (V Sem), 60 TT 603 – Technical Textile II (VI Sem), 60TT6P3 - Design Thinking and Product Development Lab (VI Sem), 60 TT 703 – Non Woven Technology (VII Sem). Motivated the students to take self-study courses on Sustainability Development in 2025-26 Even Semester 2. Industry experts Mr. T. Suresh ram (Medical Textile), Mr. R. Karthikeyan (Chemical Processing), Alumni Mr. R. Ashok (Industrial Engineering) Mr. G. Suriya Ganesh (Garment Construction) will be involved in enhancing quality and employability	Module Coordinator BoS Chairman	May 2026	Submitted to Academic Council for further approval
21.	**Any Other Matter**	Members discussed and suggested the following. • Emphasizing industry-sponsored courses • Include additional advanced practical experiments in core subjects. • Introduce thrust area programs such as technical textiles and material Characterisation	• Industrial Engineering in Textile and Clothing Industry and Textile Chemical Processing Laboratory of R 2026 are introduced as industry sponsored courses • Industry suggested experiments will be added for the above courses of R 2026 • Technical Textiles and Material Characterisation will be added in semester V and VI respectively of R 2026	Module Coordinator BoS Chairman	May 2026	Submitted to Academic Council for further approval

20/12/25

BoS - Chairman

24/12/2025

Dean – Academics

24/12/2025

Dean –Administration

26/12/25

Principal

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE- 637 215.

DEPARTMENT OF MANAGEMENT STUDIES

Board of Studies Meeting

Attendance List

Date: 19.12.2025

S. No.	Details of the Members	Particulars	Signature
1	Dr. V. Lavanya Associate Professor Department of Management Studies, National Institute of Technology, Trichy Mobile Number - 94871 17596 E mail address - lavanya@nitt.edu	Anna University Nominee	V. Lavanya 19/12/2025
2	Dr. A G V Narayanan Director Jansons School of Business Coimbatore Mobile Number: 8667216390 E mail address: director@jsb.ac.in	Subject expert	19/12/25
3	Dr. M. V. Subha Associate Professor & Head Department of Management Studies Anna University Regional Campus Coimbatore Mobile Number: 9994299995 E mail address: subhamv@gmail.com	Subject expert	Subha MV 19/12/25
4	Mr.C.Ram Senior Manager- HR JSW Steel Limited Salem Works: Pottaneri P.O., Mecheri, MetturTaluk, Salem Dist 636 453 Tamil Nadu, India Mobile no 7904652498 Mail ID: ram.chandrasekar@jsw.in	Expert from Industry	C. Ram
5	Mr.C.Swathy PMO Consultant Capgemini, Coimbatore. Mobile : 8883603286 Mail Id : swathy.chinnasamy@gmail.com	Meritorious Alumnus	
6	Dr.M.Vijayakumar Professor & Head Department of Management Studies K.S.Rangasamy College of Technology Tiruchengode-637215	BoS Chairman & Module Co-ordinator for Marketing Stream	M Vijay 19/12/2025

7	Dr.R.Hemamalini Professor Department of Management Studies K.S.Rangasamy College of Technology Tiruchengode-637215	BoS Coordinator, Program Co-ordinator & & Module Co-ordinator for HR Stream	19/12/25
8	Dr.M.Ramakrishnan Professor Department of Management Studies K.S.Rangasamy College of Technology Tiruchengode-637215	Module Co-ordinator for Operations Stream	19/12/25
9	Dr.H.Kalaiarasi Professor Department of Management Studies K.S.Rangasamy College of Technology Tiruchengode-637215	Module Co-ordinator for Finance Stream	19/12/25
10	Mr.V.S.Vijayachander Assistant Professor Department of Management Studies K.S.Rangasamy College of Technology Tiruchengode-637215	Member	19/12/25
11	Dr.E.Kalaivani Assistant Professor Department of Management Studies K.S.Rangasamy College of Technology Tiruchengode-637215	Member	19/12/25
12	Vishnukanth A K II MBA Student	Member	19/12/25
13	Navashree S II MBA Student	Member	19/12/2025

19/12/2025

Chairman/MBA

K.S.RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Management Studies

BoS Meeting No: 29
Venue: Fin Tech Lab

Date: 19.12.25

S. No	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1.	**Curriculum of PG programmes (R2025)**	All the BoS members	BoS Chairman briefed about the whole curriculum of R2025 to the members.	Members of the BoS approved the current R2025 curriculum as presented.	BoS Chairman, Module Coordinator	2026	It is resolved to submit to Academic Council for further approval
			The curriculum and syllabus for the I-IV semesters of MBA program R2025 were discussed. All the members appreciated the introduction of new elective stream namely **Analytics** in R2025.	**Analytics** stream of electives is implemented in R2025			
2.	**Revision in the Curriculum and syllabi of IV semester R2022**	All the BoS members	BoS members discussed about the curriculum and syllabi of IV semesters R2022. The members agreed the curriculum as it is without any changes.	Implement R2022 without any changes in curriculum.	BoS Chairman, Module Coordinator	Immediate	It is resolved to submit to Academic Council for further approval
		Dr. M. V. Subha (Subject Expert)	Subject expert suggested to include the topic **Sustainability linked Derivatives** in **61 MB 4F3 -Financial Derivatives** of IV semester R2022.	Incorporated the topic - **Sustainability linked Derivatives**			
		Ms.C.Swathy (Alumnus)	The Alumni nominee suggested to include the topic **AI & Skill Intelligence linking with competence** in **62 MB 4H1 - Competency Management** of IV semester R2022.	Incorporated the topic - **AI & Skill Intelligence linking with competence**			

3.	**List of value-added courses offered in** 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester).	BoS chairman presented the list of value added courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester). **Value-added courses offered in 2025-2026 (ODD Semester)** Course Name | No: of Hours | No. of Beneficiary Digital Marketing | 30 | 78 **Value-added courses planned to offer in 2025-2026 (EVEN Semester)** Course Name | No: of Hours Stock Trading | 30
5.	**Discussion on proposed Curriculum for PG (I to VI Semesters, R 2025) Programme**	**I. Total no. of credits for the MBA programme** is 105 **II. Review of Curriculum for I to VI semester Courses (R2025) and Recommendations** Members agreed towards the structure of the curriculum R2025 of I to IV semester The title of the course **70 MB 3A1 - Data Mining** is changed to **70 MB 3A1 - Data Mining for Business** under **Analytics stream.** The elective course **70 MB 4F2 - Personal Finance** is included under **finance stream.** **III. Curriculum and syllabi to support progression to higher education, career guidance, Startups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).** List of courses supported for the progression of career guidance, startups & entrepreneurship and SDGs goals in the Curriculum R2025 are given as follows: **Career guidance:** 70 MB 1P1- Professional Grooming and Communication Lab (I semester) 70 MB 2P1- Leadership and Executive Skills Lab (II semester) **Startups & Entrepreneurship:** 70 MB 107- Entrepreneurship development (I semester) 70 MB 3P2- Internship (III semester) **SDG goals :** 70 MB 302- ESG and Sustainability (III semester) 70 MB 2P3- Social Immersion project (II semester) **IV. Curriculum meeting the requirements of NEP 2020** The NPTEL certification course, Internship and Integrated courses with industry support are followed in the curriculum as part of NEP 2020 implementation. **V. Curriculum & syllabi to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills** Curriculum R2025 supports student involvement in innovative, design & critical thinking abilities through following courses such as: • 70 MB 104 - Business Statistics and Analytics (I semester) • 70 MB 205- Applied Operations research (II semester) • 70 MB 207 -Business analytics (II semester) • 70 MB 2P2 -Data Analytics Lab (II semester) • 70 MB 3P1 - AI tools for Management Lab (II semester)

VI. Incorporation of Virtual Laboratory & Industry sponsored/supported courses and laboratories

It is decided to offer **70 MB 204 – Financial Management** course with the support of Industry partnership namely - **"Risk Free Investment – Erode".**

VII. Introduction of new courses

New courses offered in R2025 II semester:

- 70 MB 207 -Business Analytics
- 70 MB 2P1 - Leadership and Executive Skills Lab
- 70 MB 2P3 – Social Immersion Project

6. Discussion on Choice Based Credit System

I. Self-study courses SWAYAM / NPTEL / MOOC courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester).

BoS chairman presented the list of NPTEL courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester).

NPTEL courses offered in ODD semester of 2025-26:

Course Name	No: of Weeks	No. of students completed
Design Thinking	4	57

NPTEL courses planned to offer in EVEN semester of 2025-26:

Course Name	No: of Weeks
1.Talent Acquisition for Management	12
2.Services Marketing	12

II. One credit course planned to offer by industry in 2025-26 (EVEN Semester)

The BoS members approved the one credit courses planned to offer in 2025-26 (EVEN Semester).

- Tally ERP 9

III. Skill based courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester).

BoS chairman presented the list of Skill based courses offered in 2025-2026 (ODD Semester) and planned to offer in 2025-2026 (EVEN Semester).

Skill based courses offered in 2025-26(EVEN semester):

Course Name	No: of Hours	No. of Students
70 MB 1P1 -Professional Grooming and Communication Lab	60	84

Skill based courses planned to offer in 2025-26(ODD semester):

Course Name	No: of Hours	No. of Students
70 MB 2P1 - Leadership and Executive Skills Lab	60	84

	IV. International Certification	**BoS Members suggested the following international certification courses for the forthcoming semesters** Students are encouraged to explore the following international certification courses to enhance their professional readiness: • Strategic Human Resources Management • Google Digital Marketing Credits can be given to the students for obtaining International Certificates. All BoS members agreed and appreciated the credits given to the students for obtaining International Certificates.
	V. Evaluation pattern for Integrated courses, Project based & System based courses	Members suggested to have two continuous assessment test and two activity or assignment for each subjects in a semester as a part of internal assessment.
	VI. Internship details of students (2 nd Year)	Students undergoing minimum 4-6 weeks of Internships in reputed industries for sharpening their skill sets Internship completed during the AY 2025-26 **Batch** | **No. of students completed internship** | **No. of Students** 2025-26 | 4 weeks | 60
7.	**Stakeholders feedback and action taken**	Stakeholders suggested to have the following changes in the below given courses: • 61 MB 4F3– Financial Derivatives - Topic: Sustainability linked Derivatives was included. • 62MB4H1 – Competency Management - Topic: AI & Skill Intelligence linking with competence was included. It is submitted to Academic Council for further approval
8.	**Suggestions from IQAC**	**3 Credits can be offered to students as waiver or additional credits upon completion of International Certificates or NPTEL course** BoS Members suggested the following for forthcoming semesters: • It is decided to offer course exemption for the NPTEL course which consists of 12 week course duration. • 3 credits can be offered to students on completion of NPTEL certificate or International Certificate.
9.	**Any other matters**	i. **Suggestion on Examination Reforms (Question Paper Pattern – Internal and End Semester Examination, etc.,)** The internal and external examiners list was presented by BoS Chairman and all the members approved the same. All the members approved the existing pattern of Question Paper for internal and end semester examination ii. **Suggestion to evaluate project-based courses** The BoS members accepted and approved the evaluation pattern for project based courses with three reviews presentations, publication of article in the quality journal, submission of project report and viva voce.

BoS Chairman **Dean Academics** **Dean Admin** **Principal**

	K.S.RANGASAMY COLLEGE OF TECHNOLOGY TIRUCHENGODE - 637 215 (An Autonomous Institution, Affiliated to Anna University Chennai)	MCA

Department of Master of Computer Applications
2nd Board of Studies Meeting

(Period June – 2025 to Nov- 2025)

Date: 20.12.2025 **Time: 9.30 AM**

Department	**Master of Computer Applications**		
Programme and Duration	**MCA (Master of Computer Applications), 2 years**		
S. No.	**Name , Designation & Address**	**Position**	**Signature**
1.	Dr.Puniethaa Prabhu Professor & Head Department of MCA K.S.Rangasamy College of Technology Tiruchengode-637215 Mail ID : hodmca@ksrct.ac.in Mobile No: 94434 86922	Chairman	
2.	Dr.S.Kanmani Professor in Department of IT, Puducherry Technological University Puducherry-605014. Mail ID: kanmani@ptuniv.edu.in Mobile No: +91 94432 06299	Member (Outside Nominated by University)	
3.	Dr. S. Sikappi Assistant Professor (Sr. Gr.) Department of Computer Applications Coimbatore Institute of Technology, Coimbatore. Mail ID: sikappi@cit.edu.in Mobile No: +91 93632 28509		
4.	Dr.Prabha Selvaraj Professor Senior Grade 1, School of Computer Science and Engineering, Vellore Institute of Technology, Andhra Pradesh.. Mail ID: prabha.s@vitap.ac.in Mobile No: +91 98414 50282	Member (Subject Expert)	
5.	Mr. G. Illanchezhian Director, Tietoevry, Bengaluru. Mail ID : Ilan.ganesamurthy@gmail.com Mobile: 9790987715	Member (Meritorious Alumnus)	
6.	Mr. M. Devendran Blockchain Technical Project Manager, Casper Association, Chennai. Mail ID : devconnects@gmail.com Mobile: +91 91766 61208	Member (Industry Expert)	

7.	Dr. K. Kiruthika Assistant Professor / MCA / KSRCT Mail ID : kiruthikak@ksrct.ac.in Mobile: 98426 61683	Member	
8.	Dr. S. Sutha Assistant Professor / MCA / KSRCT Mail ID : suthas@ksrct.ac.in Mobile: 94433 24103	Member	
9.	Mr. R. Mohankumar Assistant Professor / MCA / KSRCT Mail ID: mohankumar@ksrct.ac.in Mobile: 74022 51330	Member	
10.	Mrs.U.Megala Assistant Professor / MCA / KSRCT Mail ID: megala@ksrct.ac.in Mobile No: 74022 51330	Member	

Date: 20-12-2025

BoS Chairman / MCA

K.S. RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE 637 215

(An Autonomous Institution, affiliated to Anna University, Chennai, Approved by AICTE, New Delhi)

Minutes of the Board of Studies Meeting

Department of Master of Computer Applications

BoS Meeting No : 02	**Date: 20.12.2025**
Venue: Online	**Microsoft Teams Meeting Link:** https://msteams.link/J5SD

The following members were present for the Second Board of Studies Meeting:

1. Dr.Puniethaa Prabhu - BoS Chairman
2. Dr.S.Kanmani - University Nominee
3. Dr.S.Sikappi - University Nominee
4. Dr.Prabha Selvaraj - Subject Expert
5. Mr.G.Ilanchezhian - Industry Expert
6. Mr.M. Devendran - Industry Expert
7. Dr.K.Kiruthika - Member
8. Dr.S.Sutha - Member
9. Mr.R.Mohankumar - Member
10. Ms.U.Megala - Member

The BoS Chairman welcomed all the members to the Second Board of Studies Meeting and presented the Vision and Mission of the MCA programme.

Vision

To be a premier department in computer applications, empowering students with advanced technological expertise, fostering innovation and shaping ethical leaders to contribute to global progress and societal well-being.

Mission

- Provide a dynamic learning environment that integrates cutting-edge technology, industry exposure, and ethical values.
- Enable students to excel as competent professionals in the evolving field of computer applications.
- Foster innovation and problem-solving skills to meet real-world challenges.
- Cultivate a sense of responsibility, ethics, and commitment towards society and the IT industry.

She briefed the members on the overall structure of the MCA Curriculum R2025, highlighting the academic framework, credit distribution and industry-oriented components incorporated in the regulation.

She then presented the detailed syllabus of all subjects for II, III, and IV semesters, which were prepared by the internal BoS members. The syllabi were discussed in detail, and valuable suggestions were offered by the members for further enrichment.

S.No	Agenda	Name & Nominee	Discussions / Suggestions	Action to be Taken	Responsibility	Target	Remarks
1	**Curriculum and Syllabi of MCA Programme R2025**	Mr.Devendran Muthukumarmani	Suggested to revise the syllabus of the course **"70 PMC 201 - Internet of Things (IoT)"** to align with current industry practices. The member emphasized inclusion of hands-on exposure to IoT platforms, sensor integration, basic cloud connectivity, security considerations and real-time application use cases.	As per the suggestion, the **" 70 PMC 201 - Internet of Things (IoT)"** course has been revised and decided to implement in R2025	Module Coordinator	Immediate	Submitted to Academic Council for Approval

<table>
<tr><td></td><td></td><td>Dr.Prabha Selvaraj</td><td>Reviewed the existing textbooks prescribed for the Core Course "70PMC203 - Web Technologies" and recommended updated textbooks that better align with the revised syllabus and current developments in Web Technologies.</td><td>Based on the recommendation, existing textbooks are updated for the "70PMC203 - Web Technologies" course</td><td>Module Coordinator</td><td>Immediate</td><td>Submitted to Academic Council for Approval</td></tr>
<tr><td>2.</td><td>List of open elective courses and value-added course planned to offer in 2025-2026 (EVEN Semester)</td><td>All BOS Members</td><td colspan="4">The following one credit and value-added courses are planned to offer in 2025-2026 (EVEN Semester)
<table>
<tr><th>S.No</th><th>Name of the Course</th><th>Name of the Industry</th><th>No. of hours</th></tr>
<tr><td>1</td><td>One Credit Course: Mobile App Development</td><td>Astroblack Technologies, Tiruchengode</td><td>15</td></tr>
<tr><td>2</td><td>Value added Course: Internet of Things - The Connecting world on Feb 20 - 22, 2026</td><td>Mindnics Private Limited Tiruchengode</td><td>30</td></tr>
</table>
All BoS members accepted the same and it is resolved to submit to Academic Council for further approval</td></tr>
<tr><td>3.</td><td>Discussion on Curriculum of III to IV Semester for R2025</td><td>All BOS Members</td><td colspan="4">I. Total No. of credits for the MCA Programme
Curriculum of MCA R2025 has 83 credits

II. Curriculum for III to IV semester Courses (R2025) and Recommendations
The curriculum for III to IV semester courses of the PG MCA Programme (R2025) for the batch of students to be admitted during the academic year 2025–2026 was discussed in detail. The Board of Studies members reviewed the structure, course components, credit distribution and relevance of the curriculum to current industry and academic requirements.
The BoS members provided their recommendations and expressed their agreement with the overall structure of the MCA curriculum R2025 for Semesters I to IV. The curriculum was found to be appropriate and aligned with the programme objectives, emerging technologies, and university norms.

III. Curriculum and Syllabi to support progression to career guidance, Startups & Entrepreneurship & cross cutting issues and Sustainable Development Goals (SDGs).</td></tr>
</table>

The Proposed R2025 curriculum meet the requirements to pursue to career guidance, Courses related to Sustainable Development Goals (SDGs) by offering the following courses.

S. No	Name of the Course	Course Code	Semester
1	Career Skill Development - I (SDG4,8,17)	70 PCG 001	I
2	Career Skill Development - II (SDG4)	70 PCG 002	II
3	Career Skill Development - III (SDG 3,7,9)	70 PCG 003	III
4	Research Methodology and IPR	70 PIS 001	II

IV. Curriculum meeting the requirements of NEP 2020

The Curriculum is designed to meet the requirements of NEP 2020 through the NPTEL certification course, Internship, Integrated courses with corporate support are followed.

V. Curriculum to support student involvement in innovative, design & critical thinking abilities and their problem-solving skills.

Yes, Curriculum and Syllabi support student involvement in innovative, design & critical thinking abilities and their problem-solving skills by conducting the following

- Codeathon
- Smart India Hackathonn
- Project Contest
- Project Work
- Innovative Courses

VI. Incorporation of Industry sponsored/supported courses and laboratories

- Industry sponsored/supported courses and laboratories

Infosys Springboard is a platform offered by Infosys by which Students are insisted to complete the certification courses related to curriculum and latest technologies

4. Discussion on Choice Based Credit System

All BOS Members

I. Self-study courses SWAYAM / NPTEL / MOOC courses planned to offer in 2025-26 (Even Semester)

BoS chairman presented the list of NPTEL courses suggested in 2025-26 (Even Semester)

S.No	Name of the NPTEL Course	No. of Weeks
1	The Joy of Computing using Python	12

The BoS members reviewed the course content, relevance to curriculum and student benefits. The course was unanimously accepted and resolved to be forwarded to the Academic Council for further approval.

II. Identification of certifications for the forthcoming semester (2025-2026 EVEN Semester)

BoS members suggested the following certification courses for the forthcoming semesters to enhance technical knowledge and professional readiness.

S.No	Name of the Certification	Offered by
1	AWS Certification	Amazon Web Services, Seattle, Washington, USA
2	OCJP (Oracle Certified Java Programmer)	Oracle Corporation, Austin, Texas, USA
3	ISTQB Certification	International Software Testing Qualifications Board, Brussels, Belgium
4	Brainbench Certification	Brainbench Chantilly, Virginia, USA
5	Azure Certification	Microsoft Redmond, Washington, USA

Students are also encouraged to do the International Certificates such as coursera, udemy and credits are given to the students for obtaining International Certificates.

Action Taken:

The Department will facilitate student enrollment in the recommended certifications and award academic credits for approved international certifications completed through platforms such as Coursera and Udemy as per institutional regulations.

III. Roll out of laboratories classes to encourage students to participate in Design Concepts, Hackathon, Ideathon and similar activities.
Mini projects are given for laboratory courses to make students to participate in Design Concepts, Hackathon and Ideathon etc
The BoS members accepted and approved the same.

IV. Evaluation pattern for Integrated courses, Project based & System based course
In integrated courses, Practical component is evaluated as a lab component.
The Project based Courses evaluation pattern consists of three reviews presentation, submission of project report and viva voce

			Action Taken: The proposed evaluation pattern was accepted by the Board and is submitted for approval to the Academic Council for implementation from the forthcoming semester. **V. Internship details of Students** Members suggested to have one mandatory internship as a part of the curriculum R2025. **Action Taken:** The implementation of these initiatives will commence in the Even Semester of the academic year 2025–26, following the approval of the Academic Council
5.	**Stake holders feedback and action taken**		1. Industry expert, **Mr. Krishnan Mahadevan** suggested to educate students on the importance, relevance and the need for them to practice competitive programming right from day 1. Also recommended following websites that enable students to do this: • https://www.codechef.com/ • https://www.hackerrank.com/ • https://leetcode.com/ • https://www.topcoder.com/ **Action Taken:** The Department resolved to orient students on the importance of competitive programming from the first year and encourage regular practice through platforms such as CodeChef, HackerRank, LeetCode, and Topcoder by integrating structured practice sessions and monitoring participation. 2. Alumni, Mr. Tamilarasu Raju gave few suggestions that could further enhance the industry readiness of students: • Include a dedicated module on **ITIL Framework and Certification** – This will help students understand standard IT service management practices. • **Exposure to ServiceNow or any standard Ticketing Tools** – Knowledge of such platforms is increasingly expected in both IT support and operations roles. • **Cloud Technologies (Azure)** – Foundational understanding of cloud computing, especially Microsoft Azure, is becoming essential across domains. • **Modern Endpoint Management Tools** – Modules on Microsoft Intune, SCCM, and device lifecycle management would be highly valuable. • **System Monitoring Tools** – Basic awareness of infrastructure monitoring (e.g., using tools like Nagios, PRTG, or Azure Monitor) can prepare students for real-world IT environments. • For students who may not have a strong background or interest in programming, focusing on **IT Support, Networking,** and **Infrastructure Management** can open up solid career paths.

<table>
<tr><td></td><td></td><td>Action Taken: Based on the feedback received from the stakeholder, the BoS resolved to examine the feasibility of integrating the above suggestions through value-added courses, certification programs, workshops, or curriculum enhancement in forthcoming semesters.</td></tr>
<tr><td>6.</td><td>Suggestions from IQAC</td><td>
<table>
<tr><th>Suggestions</th><th>Action Taken</th></tr>
<tr><td>1. Students who successfully complete approved international certification courses shall be awarded 3 credits either as additional credits or as course credit compensation, subject to verification and approval by the department</td><td rowspan="3">BoS members approved the award of 3 credits for verified international certifications, sanctioned credits for prize winners in recognized competitions and mandated completion of one course through NPTEL during the programme of study, and the same is submitted to the Academic Council for approval.</td></tr>
<tr><td>2. Students who secure prizes in recognized national or state-level competitions such as Hackathons, IndiaSkills, and similar technical events shall be awarded 3 credits either as waiver or additional credits, as per institutional norms.</td></tr>
<tr><td>3. Completion of one course from NPTEL shall be made mandatory for all students during the programme of study.</td></tr>
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</td></tr>
<tr><td>7.</td><td>Any other matters</td><td>

BoS Members reviewed and satisfied with the Vision, Mission, Program Educational Objectives, Program Objectives of the department
Discussed about the opportunity for Student foreign exchange programs. Members suggested for collaboration with top B-schools in state and national level.

Action Taken : The Board resolved to initiate steps to explore collaboration and student exchange opportunities with reputed B-Schools at the state and national levels.

</td></tr>
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BoS Chairman **Dean Academics** **Dean Admin** **Principal**