

K.RAMAKRISHNAN COLLEGE OF ENGINEERING

(An Autonomous Institution)

*Permanently Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi,
ISO 9001-2015, 14001:2015 Certified Institution, Accredited by NAAC with A Grade,*

Accredited by NBA

Samayapuram, Tiruchirappalli – 621 112, Tamilnadu, India.



TENTH ACADEMIC COUNCIL - MINUTES

DATE: 09.05.2026

TIME: 11.30 A.M.

VENUE: TEACHING LEARNING CENTRE HALL

**K.RAMAKRISHNAN COLLEGE OF ENGINEERING****(Autonomous)**

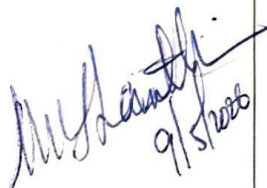
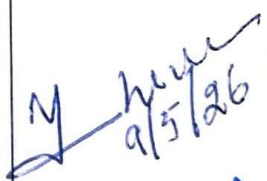
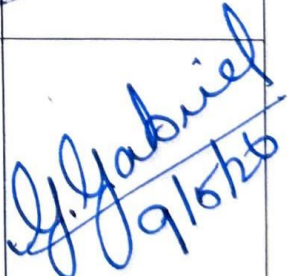
Permanently Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi,
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Accredited by NBA and MHRD **NIRF** ranked Institution,
Samayapuram, Tiruchirappalli – 621 112, Tamilnadu, India.

**MINUTES OF THE 10th ACADEMIC COUNCIL MEETING****DATE: 09.05.2025**

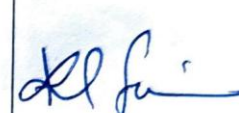
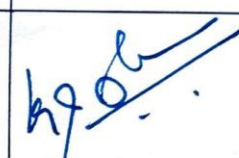
The ninth meeting of the Academic Council was held on 9th May 2025 at 11.30a.m. in Teaching Learning Centre Hall at K. Ramakrishnan College of Engineering, Tiruchirappalli under the chairmanship of Dr. D. Srinivasan, Principal.

Members Present:

S. NO.	NAME & DESIGNATION	CATEGORY/ POSITION	SIGNATURE
1.	Dr. D. Srinivasan Principal, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Chairman - Principal	
2.	Dr. S. Vengadesan Professor, Department of Applied Mechanics, Indian Institute of Technology Madras, Chennai – 600 036.	Member Academician – Nominated by Governing Body	
3	Dr. S. Pugazhenth Professor & Dean, School of Mechanical Engineering, SASTRA University, Thanjavur	Membe Academician – Nominated by Governing Body	
4.	Dr. Anbalagan Thangavel ES – Active Safety (MS/ES11) Bosch Global Software Technologies Private Limited, Coimatore, Tamilnadu – 641 035.	Member Industry Expert – Nominated by Governing Body	
5	Dr. Rajesh Ramachandran Global Chief digital Officer and Managing Director, ABB Innovation Centre, KEB Colony, Industrial Area, Hoodi, Bangalore 560048	Member Industry Expert - Nominated by Governing Body	ABSENT

6.	Dr.S.Jayabal Professor, Department of Mechanical Engineering, Government College of Engineering, Srirangam, Trichy – Madurai highway, Sethurappatti Road, Trichy - 620012.	Member – University Nominee	 9/5/2026
7.	Dr. K. Muthukumar Professor, Department of chemical engineering, National Institute of Technology, Tiruchirappalli – 620 015.	Member – University Nominee	ABSENT
8.	Dr. V. M. Shanthi Principal, Government College of Engineering, Srirangam, Trichy – Madurai /highway, Sethurappatti Road, Trichy - 620012.	Member – University Nominee	 9/5/2026
9.	Dr. R. Kamaraj Controller of Examinations, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member - CoE	 9.5.26
10.	Dr. T. M. Nithya Head – Academic & Administration, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HAA	 9/5/26
11.	Dr. M. Maheswari Professor, Department of ECE, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/ECE	 9/5/26
12.	Dr. G. Gabriel Santhosh Kumar Assistant Professor, Department of EEE, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/EEE	 9/5/26
13.	Dr. R. Sasikumar Assistant Professor, Department of CSE, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/CSE	 9/5/26

14.	Dr. H. Ramakrishnan Associate Professor, Department of Mechanical Engineering, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/MECH	H.T. 11/5/26
15.	Dr. S. Manikandan Professor, Department of Information Technology, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/IT	9/5
16.	Dr. B. Kiran Bala Associate Professor, Department of AI&DS and AI&ML, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/AI&DS & CSE(AI&ML)	9/6/26
17.	Dr. J. Sasidevi Associate Professor, Department of CSBS, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/CSBS	9/6/26
18.	Dr. K.Chellamuthu Assistant Professor, Department of Mechanical Engineering K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/ I year	9/6/26
19.	Dr. S.Neelakandan Associate Professor, Department of English, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/English	
20.	Dr. P. Sugapriya Assistant Professor Department of Mathematics, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/Maths	
21.	Dr.B.Rajeswari Associate Professor, Department of Chemistry, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/Chemistry	

22.	Dr. R. Manimegalai Assistant Professor, Department of Physics, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member – HoD/Physics	
23.	Dr. A. Premavasumathi Assistant Professor, Department of MBA, K. Ramakrishnan College of Engineering, Samayapuram, Trichy – 621 112	HoD/MBA	
24.	Dr. K. Lenin Professor & Head, Centre for Student Affairs K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member - Faculty	
25.	Dr. K. Priyadarshini Professor & IQAC Coordinator, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member - Faculty	
26.	Dr. C. Jeyalakshmi Professor, Department of ECE, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member - Faculty	
27.	Dr. K. Dhayalini Professor & Head, Centre for Academic Affairs, K. Ramakrishnan College of Engineering, Samayapuram, Trichy-621 112	Member Secretary - Principal Nominee	

The minutes of the meeting as follows:

ITEM No. AC: 10:2026:1.0

1.0 Welcome address by the Chairman of the Academic Council

- ❖ The Academic Council Chairman Dr. D. Srinivasan, Principal welcomed the members of Academic Council for the meeting and opined that the college would benefit immensely for their visionary advice. He thanked them for sparing their valuable time from their busy schedule to participate and helped the college in taking appropriate decisions.
- ❖ Dr. K. Dhayalini, Professor, Department of EEE and Head, Centre for Academic Affairs took up the items listed in the agenda for discussion one by one and presented in the academic council meeting.

ITEM No. AC: 10:2026:2.0

2.0 Confirmation of the minutes of the 9th Academic Council meeting held on 30.05.2025

- ❖ Dr. K. Dhayalini, Head, Academic Affairs and member Secretary presented and explained the ActionTaken Report of the 9th Academic Council meeting minutes for approval.
- ❖ The Chairman, Academic council Dr. D. Srinivasan requested the council to confirm the minutes of the 9th academic council meeting held on 30th May 2025.
- ❖ The suggestions and recommendations given in the 9th Academic Council meeting was incorporated and implemented in the curriculum and regulation.

The committee resolved and confirmed the minutes of 9th Academic Council Meeting held on 30th May 2025.

ITEM No. AC: 10:2026:3.0

3.0 To approve the curriculum and syllabus of Problem based Learning (PMBL) and Project based Learning (PRBL) courses in fifth, sixth and seventh semester B.E/B.Tech program as recommended by the respective BOS. (Applicable for 2023-24 batches onwards).

- ✓ **B.E - Computer Science and Engineering**
- ✓ **B.E - CSE (Artificial Intelligence and Machine Learning)**
- ✓ **B.E - Electronics and Communication Engineering**
- ✓ **B.E - Electrical and Electronics Engineering**
- ✓ **B.E - Mechanical Engineering**

- ✓ **B.Tech - Artificial Intelligence and Data Science**
- ✓ **B.Tech - Computer Science and Business Systems**
- ✓ **B.Tech - Information Technology**

and to approve the minutes of the Board of Studies of the above departments

3.1 Department of CSE

❖ **Dr. R.Sasikumar**, HoD/ CSE briefed about their BoS members and presented the fourth, fifth, sixth and seventh semester PRBL and PMBL course curriculum and syllabus. The following points were discussed

- ✓ In the PRBL course, the batch size for doing the project can be reduced from 4 students to three students.
- ✓ Review panel members can be from inter disciplinary department based on the domain of the project.

The council resolved to approve the R2023 PRBL and PMBL curriculum and syllabus of fourth, fifth, sixth and seventh semesters.

3.2 Department of CSE (Artificial Intelligence and Machine Learning)

❖ **Ms.V.Sankari**, Assistant HoD/ CSE (AI&ML) briefed about their BoS members and presented the fifth & sixth semester curriculum and syllabus of PRBL and PMBL courses. The following points were discussed.

- ✓ The subject AMC 1392 - Ethics and AI title may be reviewed.
- ✓ For PMBL courses BTL should not be more than 5, whereas for PRBL courses BTL 5 can be implemented.

The council resolved to approve the R2023 curriculum and syllabus of PRBL and PMBL courses.

3.3 Department of ECE

❖ **Dr. M. Maheswari**, HoD/ ECE briefed about their BoS members and presented the fifth & sixth semester PRBL and PMBL course curriculum and syllabus.

The council resolved to approve the R2023 curriculum and syllabus of fifth & sixth semester PRBL and PMBL courses.

3.4 Department of EEE

❖ **Mr. G. Gabriel Santhosh Kumar**, HoD/ EEE briefed about their BoS members and presented the fifth, sixth and seventh semester PRBL and PMBL course curriculum and syllabus.

The council resolved to approve the R2023 curriculum and syllabus of fifth & sixth semester PRBL and PMBL courses.

3.5 Department of Mechanical Engineering

❖ **Dr. H. Ramakrishnan**, HoD/ Mechanical Engineering briefed about their BoS members and presented the fifth & sixth semester PRBL and PMBL course curriculum and syllabus.

The following points were discussed

- ✓ The syllabus of the courses MEC1345 - Refrigeration and Air Conditioning and MEC1395- Heating Ventilation and Air Conditioning need to be reviewed and should be ensured that the syllabus should not have repetitive content.
- ✓ For the course MEC1364 - Digital twin technology for mechanical Engineering, necessary infrastructure facilities to be made available for the benefit of students and faculty members.
- ✓ Necessary software to be procured for the courses related to PMBL and PRBL courses and training should be given to the students to familiar with the software's.
- ✓ The course MEC1366 Sustainable Energy technology can be included under PRBL course.

The council resolved to approve the R2023 curriculum and syllabus of fifth and sixth semester Problem Based Learning (PMBL), Project based Learning (PRBL).

3.6 Department of Artificial Intelligence and Data Science

- ❖ **Dr. B. Kiran Bala**, HoD/ AI&DS briefed about their BoS members and presented the fifth & sixth semester PRBL and PMBL course curriculum and syllabus.

The council resolved to approve the R2023 curriculum and syllabus of fifth and sixth semester, Problem Based Learning (PMBL) and Project based Learning (PRBL) courses.

3.7 Department of Computer Science and business Systems

- ❖ **Dr. J. Sasidevi**, HoD/ CSBS briefed about their BoS members and presented the second & third semester PRBL and PMBL course curriculum and syllabus.

The council resolved to approve the R2023 curriculum and syllabus of fifth and sixth semester, Problem Based Learning (PMBL) and Project based Learning (PRBL) courses.

3.8 Department of Information Technology

- ❖ **Dr. S. Manaikandan**, HoD/ IT briefed about their BoS members and presented the fifth & sixth semester PRBL and PMBL course curriculum and syllabus.

The council resolved to approve the R2023 curriculum and syllabus of fourth, fifth, sixth and seventh semester, Problem Based Learning (PMBL) and Project based Learning (PRBL) courses.

On the whole for all Programmes the council members recommended and approved the curriculum and syllabus of the PMBL and PRBL courses of Regulation 2023.

ITEM No. AC: 10:2026:4.0

4.0 To approve the updation in the curriculum & syllabus and credit change from 92 to 102 credits (As per AICTE) of MBA - Master of Business Administration program as recommended by the respective BOS.

- ❖ **On behalf of Dr.A.Premavasumathi, HoD/MBA**, Dr.K.Dhayalini, Head – Academic affairs briefed about their BoS members and presented the modification made in the R2023 curriculum and syllabus and detailed the necessity of increase in credit from 92 to 102 as per the guidelines of AICTE. In addition it is informed this revision is applicable for the students admitted in the academic year 2026-27.

The members suggested to include AI related courses in the Management studies.

The council resolved to approve the R2023 syllabus in which modifications were made.

ITEM No. AC: 10:2026:5.0

5.0 To consider the End Semester results of Nov/Dec 2025 and April/May 2026 of UG - VIII semester and PG - IV examinations and presented for kind information.

- ❖ The End Semester results Nov/Dec 2025 and April/May 2026 of UG - VIII semester and PG - IV examinations were presented for information.

ITEM No. AC: 10:2026:6.0

6.0 To consider and approve the Examinations for UG and PG program during May/June 2026.

- ❖ The conduction of End Semester Examination in May/June 2026 for the UG and PG programmes were informed to the expert members of the Academic Council.

ITEM No. AC: 10:2026:7.0

7.0 To inform about the attendance and absolute grading system shall be followed for all category of courses from relative grading and range of marks for corresponding grades were revised as per Anna University circulars dated 12.02.2026 & 27.03.2026. (Applicable for the students admitted from the academic year 2025- 2026). As per Anna University Regulation 2025.

- ❖ The above agenda was explained as per Regulation 2025 of Anna University, the following changes are to be implemented in the KRCE regulation as amendments.
- ✓ Attendance criterion should be followed as per Anna University.
- ✓ Absolute grading system will be followed for all the category of courses.
- ✓ This is applicable for the UG and PG students admitted in the academic year 2025-2026.
- ✓ Range of marks for grades will be followed as per University
- ✓ Range of marks for grading NPTEL courses will be followed as per University

Attendance Criterion

- ❖ The students are expected to attend all the classes without fail. Attendance of the student in each course is calculated from

$$\% \text{ of attendance} = \frac{\text{Actual No. of Classes attended}}{\text{Total No. of Classes conducted}} \times 100$$

The minimum overall attendance should be 80%.

Overall percentage of attendance in a semester for a student is calculated from,

$$\% \text{ of Overall Attendance} = \frac{\text{Actual No. of periods attended in all registered courses (AP)}}{\text{Total No. of periods conducted in all registered courses (TP)}} \times 100$$

- ✓ Marks will be awarded for student's attendance in 'EACH' course and the distribution of marks is given below;

Attendance (%)	80 – 84%	85 – 89%	90 – 95%	Above 95%
Marks	1	2	3	5

- ✓ The marks earned by a student shall be included in the Continuous Assessment for each course, based on the percentage of attendance secured in a particular course as given above.

Grading System

Grade	Description	Grade Points
S	Outstanding performance with respect to course learning objectives; exhibits original and creative thinking, and demonstrates the ability to analyze critically and synthesize information	10
A+	Excellent performance with respect to course learning objectives and creative thinking	9
A	Very Good achievement with respect to course learning objectives	8
B+	Good achievement with respect to course learning objectives	7
B	Above Average achievement with respect to course learning objectives	6.5
C+	Average achievement with respect to course learning objectives	6
C	Satisfactory achievement	5
U	Re-appearance	0
SA	Shortage of Attendance	0
WC	Withdrawal of Course	0

Range of Marks for grades

S	A+	A	B+	B	C+	C	U
91 – 100	81– 90	71– 80	66 – 70	61 – 65	56 – 60	50 – 55	< 50

Range of marks for grading of NPTEL courses

S	A+	A	B+	B	C+	C	U
91 – 100	81 – 90	71-80	61 – 70	51 – 60	46-50	40 – 45	< 40

The above information was presented before the expert members and the committee approved the same.

ITEM No. AC: 10:2026:8.0

8.0 To inform about the integration of courses related to Artificial Intelligence and Data Science department with IBM for the academic year 2026-2027

**INFORMING THE
INTEGRATION OF COURSES
RELATED TO
ARTIFICIAL INTELLIGENCE
AND DATA SCIENCE
DEPARTMENT
WITH**

ARTIFICIAL INTELLIGENCE & DATA SCIENCE DEPARTMENT

IBM

We are pleased to inform you that, for the academic year
• **2026-2027**, •
the Department of Artificial Intelligence and Data Science is
integrating industry-relevant courses in collaboration with **IBM**.

INDUSTRY-RELEVANT CURRICULUM

IBM-RECOGNIZED LEARNING PATHS

HANDS-ON LEARNING WITH IBM TOOLS

EXPERT SESSIONS & MENTORSHIP

CAREER-READY SKILLS FOR THE FUTURE

EMPOWERING STUDENTS. ENHANCING LEARNING. SHAPING THE FUTURE TOGETHER.
A step towards a smarter tomorrow!

The information regarding the integration of courses related to AI&DS department with IBM for the academic year 2026-27 was informed to members and it was approved.

ITEM No. AC: 10:2026:9.0

9.0 To inform about knowledge updation in AI related courses for the faculty members like NPTEL & Microsoft.

SL. NO.	DEPT	NAME OF THE COURSE	OFFERED BY	DURATION
1	AI	Introduction to Large Language Models	NPTEL	12 Weeks
2		The Complete Prompt Engineering AI Bootcamp	Udemy	Approx 8 to 10 Weeks
3		Artificial Intelligence: Knowledge Representation and Reasoning	NPTEL	12 Weeks
4		Data Science for Engineers	NPTEL	12 Weeks
5	CSBS	Artificial Intelligence in Industrial and Management Engineering	NPTEL	8 Weeks
6		Artificial Intelligence (AI) for Management	NPTEL	12 Weeks
7		Domain Certification: Artificial Intelligence (Minimum 60 Weeks)	NPTEL	Minimum of 60 Weeks
8	CSE	Artificial Intelligence – Machine Learning, Deep Learning and NLP using Python	iBdt, Coimbatore	4 months (16 hours / 4 hours per weekend)
9		Artificial Intelligence and Generative AI	Hack Forge Academy / Industry Certification	4 weeks
10		Natural Language Processing	SWAYAM Plus	8 weeks to 9 weeks
11		Generative AI and LLMs	NVIDIA Certified Associate	2 to 4 weeks
12	ECE	Machine Learning with Python	NPTEL	12 Weeks
13		Applied Accelerated Artificial Intelligence	NPTEL	12 Weeks
14		Introduction to Large Language Models	NPTEL	12 Weeks
15		Machine Learning and Pattern Recognition	NPTEL	12 Weeks
16		Machine Learning for Engineering and Science Applications.	NPTEL	12 Weeks
17	EEE	An Introduction to Artificial Intelligence	NPTEL	12 Weeks
18		Artificial Intelligence: Concepts and Techniques	NPTEL	12 Weeks
19		Introduction to Machine Learning	NPTEL	12 Weeks
20		Deep Learning	NPTEL	12 Weeks
21	IT	AWS Certified AI <u>Pracitioner</u>	AWS	1-3 Months
22		NVIDIA - <u>Genarative</u> AI Certification	NVIDIA	4 Weeks
23		Artificial Intelligence - Fundamentals and Application	<u>Coursera</u> /EDX	4 months
24		Programming with Generative AI	NPTEL	8 Weeks
25	MECH	AI for Mechanical Engineers	<u>Coursera</u>	3 Months
26		AI for Design and Optimization	<u>Coursera</u>	3 Months
27		AI for Autonomous Vehicles and Robotics	<u>Coursera</u>	3 Months
28		Industrial Applications of AI	<u>Coursera</u>	3 Months

The information regarding the knowledge updation in AI related courses for the faculty members like NPTEL & Microsoft. Were informed to members and it was approved.

ITEM No. AC: 10:2026:10.0

8.0 To inform about the MoU signed by CSBS department with TCS for the support and up gradation of courses in CSBS department.



The MoU signed by CSBS department with TCS for the support and up gradation of courses in CSBS department was informed and approved by the members of academic council

ITEM No. AC: 10:2026:11.0

9.0 To inform about the NBA visit date requisition under Tier – 1 and for the following departments

B.E - Electronics and Communication Engineering

B.E - Electrical and Electronics Engineering

B.E - Mechanical Engineering

The NBA SAR submission and request for expert visit dates were informed to the members for the EEE, ECE and Mechanical departments.

ITEM No. AC: 10:2026:12.0

10.0 To inform about the submission of Annual Quality Assurance Report (AQAR) for the year 2024-2025 and the progress of AQAR for the year 2025-26.

The submission of Annual Quality Assurance Report (AQAR) for the year 2023-2024 was informed and the progress of the preparation of AQAR for the year 2024-25 was informed to

the expert members.

ITEM No. AC: 10:2026:13.0

11.0 To inform about the infrastructure expansion of two floors in the academic block to cater the future needs.

The infrastructure expansion of two floors in the academic block, boys and girls hostel to cater the future needs was informed to the members.

ITEM No. AC: 10:2026:14.0

12.0 To inform about the initiation of Purchase order for procuring necessary equipment's for the AICTE – IDEA Lab with a funding support of Rs.90 lakhs.

The purchase order initiation for procurement of mandatory equipment's for the AICTE idea lab was informed to the members for information.

ITEM No. AC: 10:2026:15.0

13.0 To inform about the strategic plan of the institute for the years 2020 to 2025 and 2025 to 2030 and its review.

The strategic plan of the institute for the years 2020 to 2025 and 2025 to 2030 was presented and the review of the plans for the year 2020 to 2025 was discussed and inform to the members for approval.

ITEM No. AC: 10:2026:16.0

16.0 Forum would be open for further discussion and advice.

After discussions, the council provided the following suggestions and were accepted for implementation.

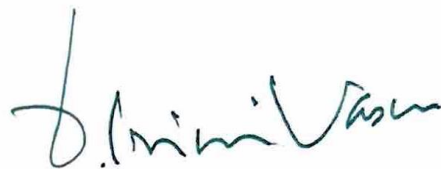
- ❖ The members suggested for the initiation of incubation cell, TBI and Tech part within the campus.
- ❖ The members congratulated the team on the establishment of the IDEA Lab.
- ❖ It was noted that Bloom's Taxonomy Levels 5 and 6 cannot be applied to all subjects; they are more appropriate for Project-Based Learning.
- ❖ Alumni chapter should be strong in terms of placement and other supports
- ❖ Campus placement and initiative taken up for non-placement student should be in a healthy and effective manner.
- ❖ Advised to encourage the start-ups in all the departments.

- ❖ Start-up initiated in the department of IT was explained by the Head/IT during the discussion.

Finally, Dr. K. Dhayalini, Professor and Head- Academic Affairs expressed her gratitude to the members for their valuable suggestions and approvals to improve the academic quality of the institution and the meeting ended up in a fruitful manner.



MEMBER SECRETARY



ACADEMIC COUNCIL CHAIRMAN

PHOTOGRAPH



