R.M.K.
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

31 YEARS OF ACADEMIC EXCELLENCE

DEPARTMENT OF INFORMATION TECHNOLOGY

News Letter

2025 - 2026

EVEN SEMESTER



Knowledge Partner & Powered by

HEXAWARE | virtusa

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Assistant Professor
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Assistant Professor
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Assistant Professor

INSTITUTION VISION & MISSION

VISION

- To be the most preferred destination in the country for pursuing education in Engineering and its allied fields, at the undergraduate and post graduate levels, and for undertaking doctoral research.
- To transform learners into achievers at the global level with the right attitude towards changing societal needs.

MISSION

- To develop the needed resources and infrastructure, and to establish a conducive ambience for the teaching- learning process
- To nurture in the students, professional and ethical values, and to instill in them a spirit of innovation and entrepreneurship
- To encourage in the students a desire for higher learning and research, to equip them to face the global challenges
- To provide opportunities for students to get the needed additional skills to make them industry ready
- To interact with industries and other organizations to facilitate transfer of knowledge and know-how.



DEPARTMENT VISION & MISSION

VISION

- To be the most preferred destination in the country for imparting education in Information Technology, at the undergraduate and research levels.
- To transform the learners into innovators at the global level to provide solutions for emerging societal challenges.

MISSION

- To provide an infrastructure and adopt creative teaching techniques to promote participatory learning.
- To develop high personal and professional values, technical competence and a spirit of innovation and entrepreneurship.
- To encourage the desire for higher learning and research, to address global challenges.
- To collaborate with industry to gain knowledge on their current trends.
- To provide opportunity for nurturing skills that leads to career excellence.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- **PEO 1:** To ensure graduates will be proficient in utilizing the fundamental knowledge of basic sciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.
- **PEO 2:** To enrich graduates with the core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise.
- **PEO 3:** To enable graduates to think logically, pursue lifelong learning and will have the capacity to understand technical issues related to computing systems and to design optimal solutions.
- **PEO 4:** To enable graduates to develop hardware and software systems by understanding the importance of social, business and environmental needs in the human context.
- **PEO 5:** To enable graduates to gain employment in organizations and establish themselves as professionals by applying their technical skills to solve real world problems and meet the diversified needs of industry, academia and research.



PROGRAM SPECIFIC OUTCOMES (PSOs)

PROGRAM SPECIFIC OUTCOMES (PSOs)

After the successful completion of the program, the graduates will be able to:

- PSO 1: Apply the core aspects of Information Technology principles such as software design & development and data engineering for developing software products.
- PSO 2: Identify and utilize the strengths of current technologies in the hardware/support and mobile technology domains in implementing IT enabled services for societal needs.
- PSO 3: Decide on suitable career path immediately after graduating or after pursuing higher degree, that would place them in an esteemed organization or create one of their own.



PROGRAM OUTCOMES (POs)

PROGRAM OUTCOMES (POs)

ENGINEERING GRADUATES WILL BE ABLE TO:

1. **Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in **WK1** to **WK4** respectively to developto the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. **(WK1 to WK4)**
3. **Design/Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. **(WK5)**
4. **Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to providevalid conclusions. **(WK8)**.
5. **Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solvecomplex engineering problems. **(WK2 and WK6)**
6. **The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impacton sustainability with reference to economy, health, safety, legal framework, culture and environment. **(WK1, WK5, and WK7)**.
7. **Ethics:** Apply ethicalprinciples and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. **(WK9)**
8. **Individual and Collaborative Team Work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
9. **Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences
10. **Project Management and Finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
11. **Life-Long Learning:** Recognize the need for, and have the preparation and ability for
    i)independent and life-long learning
    ii)adaptability to new and emerging technologies and
    iii)critical thinking in the broadest context of technological change. **(WK8)**



KNOWLEDGE AND ATTITUDE PROFILE(WK)

WK 1	A systematic, theory-based understanding of the naturalsciences applicable to the discipline and awareness of relevant social sciences.
WK 2	Conceptually-based mathematics, numerical analysis, data analysis, statistics a and formal aspects of computer and information science to support detailed analysis and modelling applicable to the discipline.
WK 3	A systematic, theory-based formulation of engineering fundamentals required in the engineering discipline.
WK 4	Engineering specialist knowledge that provides theoretical frameworks and bodies of knowledge for the accepted practice areas in the engineering discipline; much is at the forefront of the discipline.
WK 5	Knowledge, including efficient resource use, environmental impacts, whole-life cost, re-use of resources, net zero carbon, and similar concepts, that supports engineering design and operations in a practice area.
WK 6	Knowledge of engineering practice(technology) in the practice areas in the engineering discipline.
WK 7	Knowledge of the role of engineering in society and identified issues in engineering practicein the discipline, such as the professional responsibility of an engineer to public safety and sustainable development.
WK 8	Engagement with selected knowledge in the current research literature of the discipline, awarenessof the power of criticalthinking and creativeapproaches to evaluate emerging issues.
WK 9	Ethics, inclusive behavior and conduct. Knowledge of professional ethics, responsibilities, and norms of engineering practice. Awareness of the need for diversity by reason of ethnicity, gender, age, physical ability etc. with mutual understanding and respect, and of inclusive attitudes.



ABOUT THE DEPARTMENT

The Department of Information Technology was started in the year 1999 with an intake of 30 students in B.Tech Information Technology and at present, the sanctioned intake is 120. The National Board of Accreditation (NBA), New Delhi, has accredited the Program B.Tech Information Technology. The Department aims at providing domain specific training and skills to the students for pursuing a career in Information Technology. Our mission is to create a conducive environment for technical learning, fostering a desire for higher education and research in the field of Information Technology. Additionally, we aim to equip our learners with the necessary skills to tackle global challenges, nurture an entrepreneurial and innovative mindset. We provide personalized care and counseling to our students, ensuring their holistic development. A dedicated team of 19 faculty members contributes to the holistic development of students. The faculty team includes Three Professors, Five Associate Professors and Nine Assistant Professors.

The Department has well-equipped state-of-the-art laboratory facilities to carry out various projects, research and consultancy activities. The department has received AICTE-CII Award 2018 for the Best Industry-Linked Institute for Computer & IT Engineering & Allied Courses (Established-Degree).

Virtusa Consulting Services Pvt. Ltd., our esteemed Knowledge Partner, contributes to the design of 40.38% of the B.Tech Information Technology curriculum and syllabus. The curriculum includes a majority of Practicum Integrated Courses that focus on niche areas. Expert professionals from Virtusa deliver course contents, which are further enhanced by the AI-driven learning platform, RMK Nextgen, providing students with a personalized learning experience. The Department of Information Technology is recognized as a Research Centre under Anna University, Chennai.



Knowledge Partner and Powered by

HEXAWARE virtusa

COURSES OFFERED

B.Tech – Information Technology
Knowledge Partner and Powered by Virtusa
Collobrated with Hexaware for student & faculty engagement activities

HONOURS DEGREE OFFERED:

B. TECH - HONOURS IN INFORMATION TECHNOLOGY WITH SPECIALIZATION IN

- Full Stack Engineering
- Fintech and Web 3.0
- Artificial Intelligence
- Data Science
- Media Processing
- Cyber Security
- Quantum Computing

MINOR DEGREE OFFERED:

B. TECH -INFORMATION TECHNOLOGY WITH MINOR DEGREE IN

- Internet of Things
- Robotics and Automation
- Electric Vehicle Technology
- Embedded Systems
- Business Analytics
- Entrepreneurship and Innovation

Ph.D. - INFORMATION AND COMMUNICATION ENGINEERING



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PLACEMENTS - BATCH 2026

Batch : 2022 - 26

ACCENTURE
8 Students

80.7%

MSC
1 Student

KPIT
3 Student

PLACEMENTS - BATCH 2027

Batch : 2023 - 27

SOLITON
1 Student

HEXAWARE
4 StudentS

ROCKET
1 Student

ZOHO
1 Student

SECURIN
1 Student

INFOSYS
5 StudentS

DOUBLE OFFER



ACHIEVEMENTS



Event: Sustainovation Event

- Date: 12th–14th February 2026
- Venue: REC
- Category: Prototype Designing
- Award: First Prize Rs. 10,000
- Participants: Sona Meharu M, Steven Raj J & Vigneshwaran R
- Achievement: Secured the First Prize in Prototype Designing, showcasing their creativity, innovation, and effective prototype development.

Event: Weather Tech Pitch

- Date: 28th February 2026
- Venue: MIT
- Award: Runner-Up
- Participants: Gayathri R & Deepak A S
- Achievement: Secured the Runner-Up position for their innovative idea and effective presentation at the Weather Tech Pitch event.



ACHIEVEMENTS



Event: 12-Hours Hackathon

- Venue: Saveetha Medical College
- Category: Hackathon
- Award: Second Prize
- Participant: Samuel Milton R
- Achievement: Secured the Second Prize in the 12-Hours Hackathon, demonstrating their technical skills, innovative thinking, teamwork, and ability to develop solutions within a limited timeframe.

Program: 2-Week Global Immersion & Internship Program

- Date: 8th–22nd February 2026
- Location: Germany
- Program: Global Immersion & Internship
- Participant: Adhithya Baba
- Achievement: Participated in the 2-Week Global Immersion and Internship Program in Germany, gaining valuable international exposure and an opportunity to experience global academic and professional practices.



ACHIEVEMENTS

BATCH : 2023 - 27



Prize Rs. 10,000



Prize Rs. 5000

BATCH : 2024 - 28



Prize Rs. 10,000



Prize Rs. 5000

Batch : 2023 - 2027

INDUSTRIAL VISITS



BICS Global, Prince Info Park
Batch : 2023-27
Year : Final Year
No of Students : 124
08th January 2026

Evervolt Solar Technology India Private Limited
Batch : 2023 - 2027
Year : Pre Final Year
No of Students : 124
27th February 2026



Batch : 2024- 2028

INDUSTRIAL VISITS



Indian Space Research Organization (ISRO)
Batch : 2024 - 28
Year : Second Year
No of Students : 128
27th January 2026

Evervolt Solar Technology India Private Limited
Batch : 2024 - 28
Year : Second Year
No of Students : 128
04th March 2026



KNOWLEDGE PARTNER BOOTCAMPS & MASTER CLASSES

Bootcamp on Web Development Frameworks

Bootcamp on "Web Development Frameworks" organized by the Department of Information Technology, R.M.K. Engineering College, featuring Ms. Kamatchi Devi D, L&D Manager Lead Technical, Hexaware Technologies, as the speaker. The session was conducted on 20th February 2026, for the II Year (2028 Batch) students.





Bootcamp on Web Development Frameworks

Bootcamp on "Web Development Frameworks" organized by the Department of Information Technology, R.M.K. Engineering College, featuring Ms. A.L. Sakthi, R&D Developer, Hexaware Technologies, as the speaker. The session was conducted on 28th February 2026, for the II Year (2028 Batch) students.

GUEST LECTURES



Ms Revathi Gunasekaran, Associate Manager, Virtusa, Chennai, delivered a Guest Lecture on **"Agentic AI"** on 13th February 2026 to III year IT Students.

Mr.G.T.Rajaganapathi, Senior Software Engineer,Ravsoft Solutions Pvt Ltd, Chennai, delivered a Guest Lecture on **"Software Testing and Automation"** on 07th March 2026 to II Year IT Students.



GUEST LECTURES



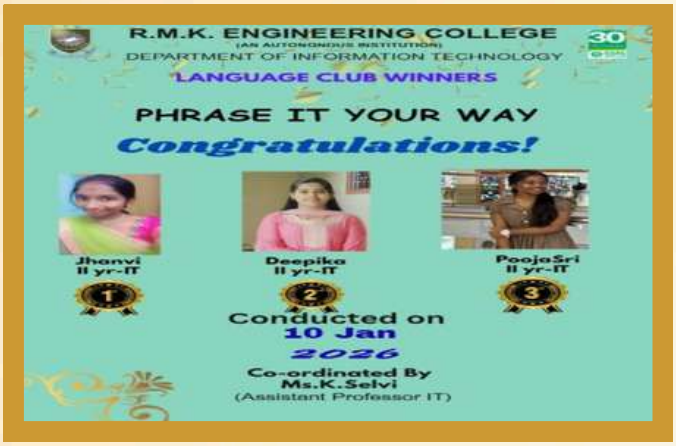
III Year IT students Received a Guest Lecture on "**DevOps**" by Mr. Dinesh J, Senior Member of Technical Staff, athenahealth on 21st February 2026.

CLUB ACTIVITIES

Name of the Club	No of activities conducted within the Department
Language Club	2
Yoga Club	2
Tedx Club	2
Coding Club	2
Math Club	2
Cultural Club	2
Science and Innovation Club	2
Astronomy Club	2
Photography Club	2
ECO Club	2
Digital Detox Club	2
Humor Club	2
Toast masters Club	2

CLUB ACTIVITIES

LANGUAGE CLUB



The **Language Club** conducted **"Phrase It Your Way"** on **10th of January 2026** The event encouraged students to explore creativity through language and expression. Participants showcased their communication skills through engaging and interactive activities.

The **Language Club** conducted **"Word Twist"** on **14th of February 2026** as an engaging language-based activity.The event encouraged students to explore vocabulary and creative word usage. Participants actively took part in the activity, enhancing their communication and thinking skills.



CLUB ACTIVITIES

YOGA CLUB



The **Yoga Club** conducted **"Promoting Mental and Physical Health Through Yoga"** on **7th of January 2026.** The session focused on enhancing physical fitness, mental well-being, and inner balance.

The **Language Club** conducted **"Word Twist"** on **14th of February 2026** as an engaging language-based activity. The event encouraged students to explore vocabulary and creative word usage. Participants actively took part in the activity, enhancing their communication and thinking skills.



CLUB ACTIVITIES

TEDX CLUB



The event **"Marks Are Temporary, Skills Are Deployable"** was conducted on **23rd of January 2026.** The session highlighted the importance of developing practical skills beyond academic performance.It encouraged students to focus on continuous learning, creativity, and personal growth.

The Role-Based TED Talk on **"HR Vs Students"** was conducted **on 28th of February 2026.** The session explored perspectives of HR professionals and students in the workplace. It encouraged communication, confidence, and a better understanding of career expectations.



CLUB ACTIVITIES

CODING CLUB



The **HackerRank Coding Test** was conducted on **10th of January 2026.** The activity assessed students' coding, problem-solving, and logical thinking skills. It provided participants with an opportunity to apply their programming knowledge.

The **HackerRank Coding Contest** was conducted on **6th of March 2026.** The contest focused on enhancing students' coding, logical thinking, and problem-solving skills. Participants actively challenged themselves through competitive programming tasks.



CLUB ACTIVITIES

MATH CLUB



The **Math Club** conducted **"Math Connect"** on **6th of January 2026.** The activity encouraged students to develop mathematical thinking and problem-solving skills. Participants engaged in interactive activities that made learning mathematics enjoyable.

The **Math Club** conducted **"Math Tech"** on **25th of February 2026.** The event explored the connection between mathematics and technology. It encouraged students to apply mathematical concepts through innovative approaches.



CLUB ACTIVITIES

CULTURAL CLUB



The **Cultural Club** conducted the dance competition **"Pick & Perform"** on **19th of January 2026.** The event provided students with a platform to showcase their creativity and dancing talents. Participants demonstrated confidence, enthusiasm, and artistic expression through their performances.

The **Cultural Club** conducted the singing competition **"Pitch Perfect"** on **11th of March 2026.** The event provided students with a platform to showcase their musical talents and creativity. Participants displayed confidence and enthusiasm through their performances.



CLUB ACTIVITIES

SCIENCE & INNOVATION CLUB



The **Science and Innovation Club** conducted the **"Slogan Writing Competition"** on **10th of January 2026.** The competition encouraged students to express their ideas through creative and impactful slogans.

The **Science and Innovation Club** conducted the picture quiz **"Iconic Women of India"** on **27th of February 2026.** The event celebrated the achievements and contributions of inspiring Indian women. Participants engaged in an interactive quiz that enhanced their knowledge and awareness.



CLUB ACTIVITIES

PHOTOGRAPHY CLUB



The **Photography Club** conducted **"Light of Literacy"** on **10th of January 2026.** The event used photography to highlight the importance of literacy and education. Participants creatively captured meaningful moments and messages through their photographs.

The **Photography Club** conducted **"Click Clean Earth"** on **7th of March 2025**. The event used photography to promote environmental awareness and appreciation of nature. Participants captured creative visuals highlighting the importance of protecting our surroundings.



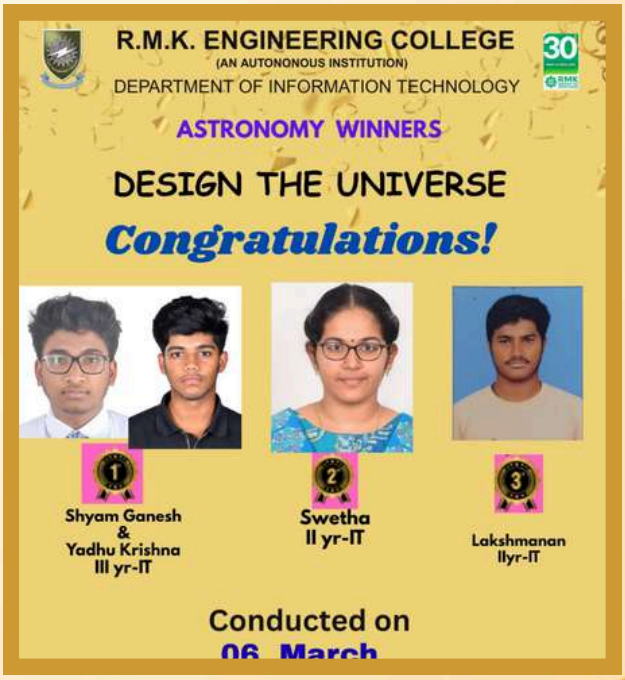
CLUB ACTIVITIES

ASTRONOMY CLUB



The **Astronomy Club** conducted **"Cosmic Talk: Speak for the Stars"** on **27th of January 2026.** The event encouraged students to explore astronomy and express their ideas about the universe. It provided an engaging platform to enhance scientific curiosity and communication skills.

The **Astronomy Club** conducted **"Design the Universe" on 6th of March 2026.** The activity encouraged students to explore the universe through creativity and imagination. Participants showcased their ideas while developing scientific curiosity and innovative thinking.



CLUB ACTIVITIES

ECO CLUB



The **Eco Club** conducted the quiz competition **"Noise Pollution"** on **9th of January 2026.** The event aimed to create awareness about the causes and impacts of noise pollution. Participants enhanced their knowledge of environmental and public health concerns.

The **Eco Club** conducted the elocution competition **"Air Pollution"** on **13th of February 2026.** The event created awareness about the causes and effects of air pollution. Participants expressed their ideas and perspectives through confident speeches.
A total of 10 students participated in the competition.



CLUB ACTIVITIES

DETOX CLUB



The **Detox Club** conducted the **"Detox IQ Test"** on **24th of January 2026.**

The activity aimed to enhance students' logical thinking, awareness, and cognitive skills.Participants actively engaged in the test and challenged their reasoning abilities.

The **Detox Club** conducted **"Memory Matrix: Reset. Recall. Reconnect"** on **6th of March 2026.** The activity focused on enhancing memory, concentration, and cognitive abilities. Participants engaged in an interactive challenge that encouraged focus and quick thinking.



CLUB ACTIVITIES

HUMOR CLUB



The **Humor Club** conducted the TED Talk **"Smile Society"** on **24th of January 2026.** The session highlighted the importance of humour, positivity, and emotional well-being. It encouraged students to embrace laughter and create a positive environment.

The **Detox Club** conducted **"Memory Matrix: Reset. Recall. Reconnect"** on **6th of March 2026.** The activity focused on enhancing memory, concentration, and cognitive abilities. Participants engaged in an interactive challenge that encouraged focus and quick thinking.



CLUB ACTIVITIES

TOAST MASTERS CLUB



The **Toastmasters Club** conducted **"MIC Masters"** on 27th January 2026.The event provided participants with a platform to showcase their speaking and communication skills. Participants demonstrated confidence, clarity, spontaneity, and effective expression. The activity encouraged public speaking, critical thinking, and stage presence.

The **Toastmasters Club** conducted **"Rise and Speak"** on 06th March 2026. The event encouraged participants to develop confidence and express their ideas effectively. Participants showcased their public speaking,communication, and presentation skills.The activity promoted self-expression, leadership, and stage confidence.



STUDENT CERTIFICATIONS









STUDENT CERTIFICATIONS









STUDENT CERTIFICATIONS









STUDENT CERTIFICATIONS


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Harish E

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 23, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Harini B

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 17, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Harirajan S

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 17, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

GANGA S

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 20, 2026
Date

Damien Carey
Senior Vice President, Oracle University

STUDENT CERTIFICATIONS


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Dhanraj G

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 23, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

DEIVANAI AR

Oracle Certified Professional: Java SE 17 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 20, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Foundations Associate
Certificate of Recognition

Vijhaya Shree A

Java Certified Foundations Associate

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 25, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Nethiya Sree M

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 20, 2026
Date

Damien Carey
Senior Vice President, Oracle University

STUDENT CERTIFICATIONS


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Dharshini S

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 20, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Shriram V

Oracle Certified Professional: Java SE 17 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 20, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Agila A

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 20, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Foundations Associate
Certificate of Recognition

SANNAREDDY SAI BHARADWITHA REDDY

Java Certified Foundations Associate

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 26, 2026
Date

Damien Carey
Senior Vice President, Oracle University


ORACLE
University

Oracle Certified Professional
Certificate of Recognition

Dhanesh P

Oracle Certified Professional: Java SE 11 Developer

This certifies that the above named is recognized by Oracle Corporation as Oracle Certified.

March 16, 2026
Date

Damien Carey
Senior Vice President, Oracle University

STUDENT CERTIFICATIONS



STAFF ACHIEVEMENTS & CERTIFICATIONS



CERTIFICATE OF COMPLETION

Proudly presented to

Ms M. Kanniga Parameshwari

R.M.K. Engineering College

For the successful completion of the **Train the Trainer (TTT) Program – 2026**, demonstrating effective facilitation skills, strong subject expertise, and a commitment to developing future talent for Virtusa.

Recognized by

Dr. Ashwin Sadasiva Kumar Shyam Sunder
Senior Vice President
Learning & Development

virtusa



NPTEL swayam

DOMAIN CERTIFICATE

This is to certify that

SELVI K

has successfully completed all the requirements for SWAYAM NPTEL Domain Certification in

Data Science

(Computer Science)

The courses were completed in the period April 2026

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Roll No: NPTELDS26100000201

To validate and check scores:
https://nptel.ac.in/noc

NPTEL swayam

Course Details

Course Type	Course Name	Duration	Offering Institute	Course Timeline	Marks Obtained (Out of 100)	QR Code
Core	Introduction to Machine Learning	8 weeks	IIT Kharagpur	Jul-Sep 2025	65	
Core	Python for Data Science	4 weeks	IIT Madras	Jan-Feb 2025	68	
Core	Data Analytics with Python	12 weeks	IIT Roorkee	Jan-Apr 2026	67	
Elective	Learning Analytics Tools	12 weeks	IIT Bombay	Jul-Oct 2025	86	
Elective	Deep Learning - IIT Ropar	12 weeks	IIT Ropar	Jul-Oct 2025	72	
Elective	Business Intelligence & Analytics	12 weeks	IIT Madras	Jan-Apr 2026	68	
			Total Marks		426	

Criteria for certification in **Data Science Domain:**
The candidate should complete the prescribed 3 core courses and 2 elective courses.
i) Scoring a minimum of >=55 marks in each course and should pass the course too.
ii) Average of all courses in the domain should be >=60.
iii) Each of the duration of the courses should be >= 8 weeks.

Domain Certificate

STAFF ACHIEVEMENTS & CERTIFICATIONS



NPTEL swayam

DOMAIN CERTIFICATE

This is to certify that

DR A ANNA LAKSHMI

has successfully completed all the requirements for SWAYAM-NPTEL Domain Certification in

Faculty Domain - Advanced

The courses were completed in the period: April 2026

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Roll No: NPTELDS26100000981

To validate and check scores: https://nptel.ac.in/noc

NPTEL swayam

Course Details

Course Type	Course Name	Duration	Offering Institute	Course Timeline	Marks Obtained (Out of 100)	QR Code
Core	Ethics in Engineering Practice	8 weeks	IIT Kharagpur	Aug-Oct 2025	68	
Core	Effective Engineering Teaching in Practice	4 weeks	IIT Madras	Jan-Feb 2026	54*	
Core	Technical Communication for Engineers	4 weeks	IIT Roorkee	Jul-Aug 2025	81	
Core	Accreditation and Outcome Based Learning	8 weeks	IIT Kharagpur	Aug-Oct 2024	75	
Core	Teaching And Learning in Engineering (TALE)	4 weeks	IISc Bangalore	Jan-Feb 2025	70	
Elective	Education for Sustainable Development	12 weeks	IIT Kharagpur	Jan-Apr 2025	90	
Elective	Leadership and Team Effectiveness	12 weeks	IIT Roorkee	Jan-Apr 2025	63	
	Total Marks				441	

Criteria for certification in Faculty Domain - Advanced Domain:
The candidate should complete the prescribed 5 core courses and 2 elective courses:
1.Scoring a minimum of >= 23 marks in each course and should pass the courses too.
2.Average of all courses in the stream should be >= 60.
3.Sum of the duration of the courses should be >= 40 weeks.
* Special exception granted by the committee.

Domain Certificate



NPTEL swayam

DOMAIN CERTIFICATE

This is to certify that

DR A ANNA LAKSHMI

has successfully completed all the requirements for SWAYAM-NPTEL Domain Certification in

Programming

(Computer Science)

The courses were completed in the period: April 2026

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Roll No: NPTELDS26100000361

To validate and check scores: https://nptel.ac.in/noc

NPTEL swayam

Course Details

Course Type	Course Name	Duration	Offering Institute	Course Timeline	Marks Obtained (Out of 100)	QR Code
Core	Data Base Management System	8 weeks	IIT Kharagpur	Jul-Sep 2025	66	
Core	Programming in Java	12 weeks	IIT Kharagpur	Jan-Apr 2024	70	
Core	Data Structure and Algorithms using Java	12 weeks	IIT Kharagpur	Jul-Oct 2024	61	
Core	Programming in Modern C++	12 weeks	IIT Kharagpur	Jan-Apr 2026	55	
Elective	Introduction to Internet of Things	12 weeks	IIT Kharagpur	Jan-Apr 2025	85	
Elective	Cloud Computing	12 weeks	IIT Kharagpur	Jul-Oct 2025	63	
	Total Marks				399	

Criteria for certification in Programming Domain:
The candidate should complete the prescribed 4 core courses and 2 elective courses:
1.Scoring a minimum of >= 23 marks in each course and should pass the courses too.
2.Average of all courses in the stream should be >= 60.
3.Sum of the duration of the courses should be >= 40 weeks.

Domain Certificate

FACUTLY DEVELOPMENT PROGRAMS & WORKSHOPS



Resource Person:
Dr. Nancy Jane Y , Assistant Professor (Sr.Gr) , Department of Computer Technology, MIT Campus, Anna University, Chennai - 44

Resource Person:
Dr Jayasudha M
Associate Professor
Grade II SCOPE
VIT, Chennai



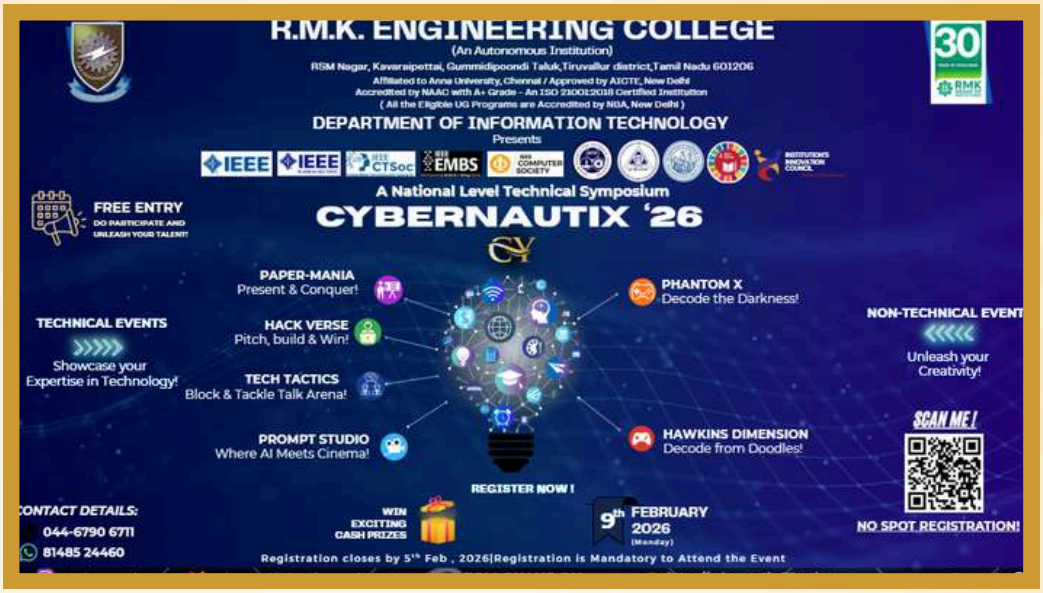
FACUTLY DEVELOPMENT PROGRAMS
&
WORKSHOPS



Resource Person:
Dr. Ummity Srinivasa Rao ,
Associate Professor ,
School of Computer Science and Engineering ,
VIT Chennai

EVENTS





CYBERNAUTIX 2K26,
a National Level Technical Symposium, organized by the Department of Information Technology on 9th February, 2026.

Students from various universities and colleges participated and won exciting prizes.

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Dr. Sheerin Banu M	Non-Invasive Induction Motor Fault Diagnosis Using PCA Optimized FFT Features and SVM Classification	Measurement	SCI & WoS	2026
	An experimental investigation of Dust-Driven performance loss in solar photovoltaic systems in tropical regions of India	Global NEST Journal	SCI	
	Optimized Decision Tree Algorithm with FRA For Crop Yield Prediction in IoT Based Agriculture	Lex Localis	scopus	
Dr. K. Manivannan	The Triple Sequence Spaces of Padovan q-Difference matrix and Korovkin approximation Applications	Ain Shams Engineering Journal	SCI	2026
	The Domain of A Regular Tribonacci Matrix Defined by Triple Sequence Spaces of S33	Konuralp Journal of Mathematics	Scopus	
Dr. Saravanan K	Using AI Models for Fault-Tolerance in Quantum Computing	IEEE	Scopus	2026

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Dr. Saravanan K	Autonomous Threat Mitigation Anomaly Detection in Cloud Environments: A Review of Machine Learning Approaches	IEEE	Scopus	2026
Dr. Saravanan K	GA-Optimized Charging Profile for Fast-Charging Stations to Minimize Battery Degradation in EVs	MSW MANAGEMENT - Multidisciplinary, Scientific Work and Management Journal	WoS	
Dr. Selvakanmani S	Gated Cross-Attention Fusion of CNNs and Vision Transformers for Explainable Cardiac Image Classification	2026 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)	scopus	2026
	Deep Feature Reuse for Monkeypox Skin Lesion Classification with DenseNet121	2026 ASU International Conference in Emerging Technologies for Sustainability and Intelligent Systems (ICETSIS)	Scopus	
Dr. A. Anna Lakshmi	Automated brain stroke detection inmagnetic resonance imaging using self modulating convolutional neural networks for enhanced ischemic and hemorrhagic stroke classification	Knowledge-Based Systems	SCI	2026
Dr A Vijayaraj	A Self-Healing Prognostic Framework for Fault Resilient SVPWM-Based Electric Vehicle Traction Inverters	MSW MANAGEMENT - Multidisciplinary, Scientific Work and Management Journal	Scopus	2026

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Dr. R. Rajitha Jasmine	Secure Patient Data Management Using Blockchain and Cognitive-Aware Deep Learning with Swin Transformer	Wiley Online Library	scopus	2026
	Security and Privacy Issues in Data Processing with Predictive Models	Wiley Online Library	scopus	
	Application of EfficientNetB7 for Accurate Classification of Black Gram Leaf Diseases Using Deep Learning Techniques	IEEE	Scopus	
Dr. R. Poornima	Comment on "Artificial intelligence algorithms effectively classify 38 movements in infants born full-term and preterm recorded in the laboratory and at home"	J Formos Med Assoc	Scopus	2026
	Interpretable Machine Learning for Predictive Hepatotoxicity Assessment Using Molecular Fingerprints and SHAP-Based Structural Analysis	Genetics and Molecular Research	Scopus	

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Ms. Rekha M	Genetics and Molecular Research	Springers Nature Link	scopus	2026
	GenCartAI: Next-Generation E-commerce Using RAG Model For Intelligent Chatbot	2025 International Conference on Circuits, Controls and Communications (CCUBE)	scopus	
	Enhancing Digital Storage Efficiency: A Voice-Enabled Document	2026 IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT)	Scopus	
	GrowWise SME: An AI Driven Financial Advisory and Growth Support System using NLP	2026 7th International Conference on Inventive Research in Computing Applications (ICIRCA)	Scopus	
	A Machine learning framework for tiered cyberbulling severity assessmentand escalation	6th International Conference on Image Processing and CapsuleNetworksICIPCN–2026	Scopus	
Ms Selvi K	An AI-Based Recommendation System for Connecting Individuals with Relevant NGOs	IEEE	Scopus	2026

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Ms Selvi K	Face Liveness Detector: An Innovative Approach for Capturing Face and Hand-Gestures	IEEE	Scopus	2026
Mr. Shanmugam N	Establishment of Reliability and Enforcing Compliance in Cyber Infrastructures Driven by Blockchain Technology: Protocols for Cybersecurity Smart Contracts	IEEE	Scopus	2026
	Automated Very Large-Scale Integration (VLSI) Design using Artificial Intelligence: Energyconstrained Internet of Things (IoT) Edge Devices	IEEE	Scopus	
Ms. Nandhini S	Edge-Optimized Real-Time Deep Convolutional Framework for Robust Multilingual Vehicle License Plate Detection and Recognition Under Diverse Environmental Conditions	SCITEPRESS	scopus	2026
	Blockchain-Enabled E-Voting for Secure and Transparent Elections	SCITEPRESS	scopus	
Ms. J. Divya	Artificial and Computational Intelligence Synergy: Concepts, Architectures, Applications, and Future Prospects	IEEE	Scopus	2026

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Ms. J. Divya	Materi AI: A Generative Framework for the Inverse Design of Novel Photovoltaic Materials	2026 International Conference on Communication and Signal Processing	scopus	2026
Dr. G.S. ANANDHA MALA	An Explainable Hybrid CNN–VisionTransformer Framework for Offline Pulmonary Disease Screening on Embedded Edge Devices	Journal of Theoretical and Applied Information Technology	scopus	2026
	Integrating Random Multi Model Deep Learning with Stock Exchange Trading Light Spectrum Optimization for Trending Scientific Topic Detection"	Journal of Systems Science and Systems Engineering, Springer Nature publisher	scopus	
	An Integrated Framework for Enhancing Underwater Images in Turbid and Low Light Conditions	2026 International Conference on Multidisciplinary Innovations For Smart & Sustainable Future (MISSF)	scopus	
	A Hybrid Deep Learning Framework for Underwater Image Enhancement in Marine Infrastructure Inspection and Archaeological Exploration	2026 1st International Conference on Emerging Trends in Advancements and Applications of Computational Intelligence Techniques (ETAACT)	scopus	
Mr. L. Vinoth Kumar	Novel Machine Learning and Quantum Computing for Audio Biometrics: Deep Audio Feature Analysis and Speech Patterns for Real Time Authentication Systems	2026 International Conference on Intelligent Computing (ICONIC)	scopus	2026

RESEARCH PAPER PUBLICATIONS

Name of the faculty	Title	Journal	Indexed in SCI/ Scopus/ WoS/	Year
Ms.M.Kanniga Parameshwari	A Survey on Energy-Efficient Resource Allocation in Cloud Environments for IoT Applications: Architectures, Algorithms, and Challenges	2025 5th International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN)	scopus	2026
	A Decentralized and Explainable Machine Learning Framework for Organ Transplantation using Blockchain and GNNs	2026 5th International Conference on Sentiment Analysis and Deep Learning (ICSADL)	scopus	
	TalkHub: A Secure Web-based Career Guidance and Mentorship Platform using ReactJS and Firebase	2026 7th International Conference on Inventive Research in Computing Applications (ICIRCA)	scopus	
Ms.R.Renugadevi R	Implement the Internet of Things (IoT) and Cloud Computing into Monitoring Platform Design for Scalable Analytics	IEEE	Scopus	2026
	Enhance Intelligent Video Analytics: Leveraging Deep Learning and Edge Computing for Live Surveillance	IEEE	Scopus	
Kanniga Parameshwari M	A Novel Privacy-Preserving Structure for Emergency Communication Systems: Homomorphic Encryption for Safe and Robust Edge-Cloud Computing Disaster Management	IEEE	Scopus	2026
	Consensus-based Automated Task Verification using Large Language Models	IEEE	Scopus	

PATENT PUBLICATIONS

Title	Patent ID	Name Of The Inventors	Status
Automatic and Manual Cleaning Bot using Android Application Department	202241063491	Dr.M.Sheerin Banu, HOD/IT	Published & Granted
Energy-Optimized Neuromorphic Quantum Learning System for Secure Brain Signal Transmission in Next-Generation Wireless Networks	202641049330	Dr K Saravanan	Published
AI-POWERED PREDICTIVE HEALTHCARE ANALYTICS SYSTEM FOR EARLY DISEASE PREVENTION	202641027038 A	Dr.R.Poornima	Published
ARTIFICIAL INTELLIGENCE BASED MEDICAL IMAGE PROCESSING SYSTEM FOR EARLY DISEASE DETECTION AND CLINICAL DIAGNOSIS.	202641061035 A	Ms. Renugadevi R	Published
PERSONALIZED HOME APPLIANCES MONITORING DASHBOARD	202641024009	Ms.J.Divya	Published

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