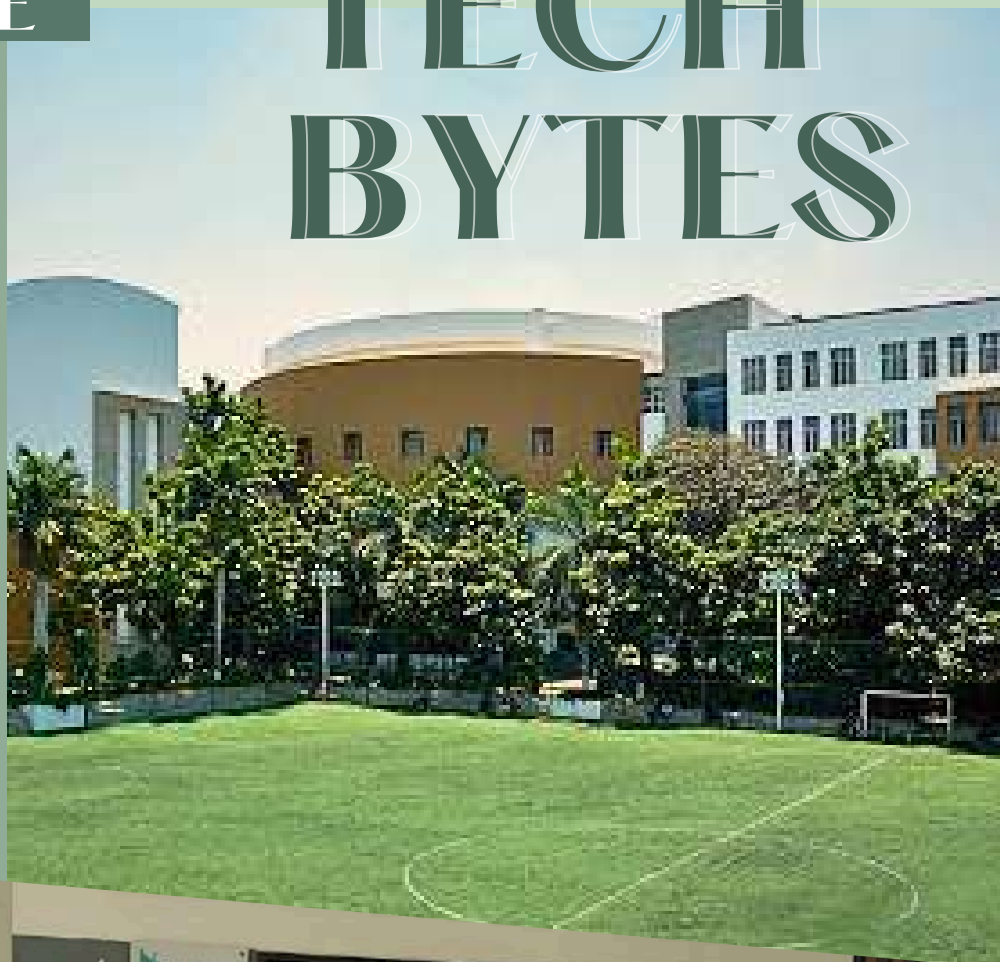


CSE

TECH BYTES

MARCH '26 - AUGUST '26



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Department of Computer
Science and Engineering

CMR Institute of Technology

#132, AECS Layout, IT Park Road,
Bengaluru - 560 037, INDIA

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Department vision & Mission

Vision

To be a centre of excellence in Computer Science and Engineering education, and produce competent professionals for a successful global career contributing to society.

Mission

M1: To build a faculty team with industry and academic exposure, capable of moulding students into competent professionals, supported by adequate computing and software resources.

M2: To prepare students for a global career in computing by enriching the curriculum with a blend of theory and practice.

M3: To develop industry-relevant programming and soft skills through training programmes, vibrant student clubs and student internships.

M4: To engage with industry and institutes of repute and collaborate in academics, research and development, involving faculty and students.

Editor's Note

"We have compiled glimpses from a the last six months and are happy to release the September 2026 edition of Tech Bytes. It showcases the achievements of our faculty as well the students, highlighting everything from events and talks to placements and patents."

Editors: Dr. Sreedevi N, Asst. Professor and
Sharanya Patake Manjunath
5th sem, C section



HOD's Message

"It gives me great pleasure to present this latest edition of Tech Bytes, the newsletter of the Department of Computer Science and Engineering — a reflection of the vibrant academic spirit that defines our community."

This edition showcases a period of strong momentum: student triumphs in technical competitions and hackathons, impactful faculty research, and active participation in academic and co-curricular life. These achievements reflect our shared commitment to learning, innovation, and excellence.

At CSE, we strive to nurture curiosity, collaboration, and continuous growth. Through research, skill development, and industry engagement, we aim to shape our students into capable professionals and responsible contributors to society.



Dr. Prem Kumar
Professor and HOD
Dept. of CSE

My sincere thanks to the editorial team and everyone who contributed to this edition. May Tech Bytes continue to document our achievements, share knowledge, and inspire new ideas.

*Dr. Prem Kumar Ramesh,
Professor and HoD,
Department of CSE*

Meet the Faculty



Dr. Prem Kumar
Professor and HOD



Mr. Raghuram Mudumbi
Professor of Practice



Mr. Apparasamy Perumal
Professor of Practice



Dr. Sagarika Behera
Asso. Professor



Dr. Preethi Sheeba
Asso. Professor



Dr. Sanchari Saha
Asso. Professor



Dr. V N Manju
Asso. Professor



Dr. Sumathi D
Asso. Professor



Dr. Sreedevi N
Asst. Professor



Mrs. Savitha N J
Asst. Professor



Mrs. Smitha N
Asst. Professor



Mrs. Navaneetha M
Asst. Professor



Mrs. Krishna Sowjanya K
Asst. Professor



Mrs. Paramita Mitra
Asst. Professor



Mrs. Manjula Subramaniam
Asst. Professor



Mrs. Rajni Tiwari
Asst. Professor



Mrs. Ann Mathews
Asst. Professor



Mrs. Lynsha Pratheeba
Asst. Professor



Mrs. Rajeshwari
Asst. Professor



Ms. Ranjini K
Asst. Professor



Ms. Pooja
Asst. Professor



Ms. Reshma R
Asst. Professor



Mrs. Kavyashree
Asst. Professor



Mr. Kiran
Asst. Professor



Dr. Priti Badar
Asst. Professor



Mrs. Ayushi
Asst. Professor



Mrs. Anjali Gupta
Asst. Professor



Mrs. Bibi Annie Oommen
Asst. Professor



Mrs. Dhiyya K
Asst. Professor



Mrs. Smruthi Nair
Asst. Professor



Mrs. Kuruva Sree Sowmya
Asst. Professor



Ms. Shilpa Shree
Asst. Professor



Dr. Anitta
Asst. Professor



Mrs. Meghali Das
Asst. Professor



Ms. Abhinaya Ashok
Asst. Professor



Ms. R Thushara Bharathi
Asst. Professor



Mr. Shaik Mohammad
Zaheed Hussain
Asst. Professor



Mr. Praveen D
Non-Teaching Staff



Mrs. Aruna Reddy
Non-Teaching Staff



Mr. Goutham Raghav Bhat
Non-Teaching Staff



Mr. Mohana D K
Non-Teaching Staff



Mrs. K P Namitha
Non-Teaching Staff



Mr. Sitarami Reddy S
Non-Teaching Staff



Mr. Pratheek V Kumar
Non-Teaching Staff



Mr. Gururaja
Non-Teaching Staff



Mr. Prasanna Kumar N
Non-Teaching Staff



Mr. Bedre Tejash Shivkumar
Non-Teaching Staff



Mr. Shiva Prakash D
Non-Teaching Staff



Ms. T Sarada
Non-Teaching Staff

COE Events

AI in Corporate Engineering: From College Projects to Production Systems

Date: 12th March 2026

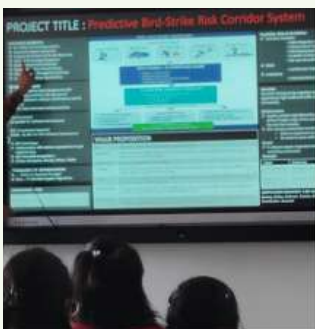
Resource Persons: Ms. Ruch Patani, Software Engineer

The expert talk on “AI in Corporate Engineering: From College Projects to Production Systems” explored the journey from academic concepts to real-world AI deployment. It introduced key technologies such as LLMs, Retrieval-Augmented Generation (RAG), prompt engineering, and AI agents.

The session highlighted how AI can leverage organizational data to develop intelligent, scalable solution. The talk emphasized prompt engineering as an essential skill for effectively working with modern AI systems and worked towards bridging the gap between academic learning and corporate expectations by highlighted career opportunities in AI development, DevOps, and enterprise system design.



Predictive Bird Strike Risk Corridor Modeling for Safer Aviation Operations



Date: 14th March 2026

Resource Persons: Mr. Palliranjana Jena, Sr Advanced Embedded Engineer

The expert talk on “Predictive Bird Strike Risk Corridor Modeling for Safer Aviation Operations” explored data-driven approaches to enhancing aviation safety. It highlighted machine learning and spatio-temporal data for predicting bird strike risk corridors.

Advanced methods such as deep learning and Bayesian inference were discussed. The session showcased the integration of radar, weather, and aircraft trajectory data and emphasized real-time risk assessment and proactive mitigation in aviation operations. The talk also addressed industry challenges, regulatory considerations, and future research directions. Industry expectations and the importance of practical, industry-relevant skills were highlighted. Students were also introduced to internship opportunities at Honeywell.

Cyber Resilience for our National Critical Infrastructure

Date: 9th April 2026

Resource Persons: Ms. Sanjana Rath, CEO/Founder of TheCyberDiplomat

The expert talk on “Cyber Resilience for Our National Critical Infrastructure” shed light on the growing need to protect vital national systems from evolving cyber threats. It covered the 16 critical infrastructure sectors, spanning energy, healthcare, finance, defense, transportation, and other essential services. The session highlighted the importance of proactive risk assessment and robust cybersecurity frameworks. It emphasized real-time threat detection, rapid response, and effective recovery during cyber incidents. The discussion underscored the significance of public-private collaboration and supportive cybersecurity policies.



From Data to Intelligence

Date: 24th - 30th June 2026

Resource Persons: Dr. Sagarika Behra, Prof. Apparasemy Perumal, Prof. Raghuram Mudumbi, Prof Arpit Sharma - Dept. of CSE, CMRIT

The five-day online STTP, “From Data to Intelligence,” offered an intensive introduction to Data Science, Machine Learning, and Deep Learning. The programme explored the complete data science pipeline, from data preprocessing to intelligent model development. Participants engaged in hands-on data analysis, visualization, and predictive modelling using industry-relevant tools including Python, Scikit-learn, TensorFlow/Keras, and Google Colab through practical exercises.



A concluding mini-project enabled participants to apply their learning to practical datasets and problems. The programme strengthened capabilities in AI-driven analysis, modelling, and problem-solving. It also fostered greater research aptitude and industry readiness in emerging technology domains. Participants gained a clearer perspective on transforming raw data into meaningful, actionable intelligence.

IE Events and Workshops

National Startup Ecosystem Dialogue: Panel Discussion

Date: 11th July 2026

The panel discussion brought together perspectives on the evolving startup ecosystem, entrepreneurship, innovation, and emerging opportunities, offering valuable insights into the dynamics of India's entrepreneurial landscape.

Workshop on “Foundations of Intellectual Property Rights (IPR) and Patent Innovation”

Date: 13th July 2026

The workshop introduced participants to the fundamentals of Intellectual Property Rights and patent innovation, highlighting their significance in protecting and advancing innovative ideas.

Workshop on “Hands-on Patent Drafting, Filing, and Commercialization”

Date: 25th July 2026

The workshop provided practical insights into patent drafting, filing, and commercialization, enabling participants to understand the process of transforming innovations into valuable intellectual property.

Project Exhibition

"Mini-Project – IV Semester Department level Exhibition" competition was held on **23rd May 2026** from **1.00 pm** to **3.00 pm** in the fifth floor CSE Labs, CMRIT. This event brought all 4th semester students from CSE to proudly display their mini projects. Participants presented their project to the guide and panel members. Students explained the problems they aimed to solve and the creativity behind their ideas, while receiving encouraging feedback from faculty and peers. The event highlighted creativity, understanding the market, basic financial planning, and communication skills. The event helped students gain confidence, improve their pitching skills, and see the real potential of their innovations, making it a meaningful and motivating experience for all involved.



Graduation Day

Graduation Ceremony 2026

The Graduation Ceremony held in May 2026 marked a proud milestone in the academic journey of the graduating batch, celebrating years of dedication, learning, and growth. The occasion brought together graduates, faculty, and families to commemorate the successful completion of their academic pursuits. The ceremony reflected the achievements and experiences that shaped the students throughout their time at the institution, while encouraging them to embrace new opportunities and challenges ahead. As the graduates stepped into the next phase of their professional and personal journeys, the occasion served as a celebration of their accomplishments and a reminder of the values, knowledge, and skills gained during their years on campus. The department extends its heartfelt congratulations to the graduating students and wishes them continued success in all their future endeavours.



Alumni Talks

NextGen Tech Innovators

Date: 29th April 2026

Resource Persons: Ms. Akshitha, Software Engineering grad

The session provided an insightful exploration of technology-driven entrepreneurship and innovation, equipping students with perspectives on identifying real-world problems, validating ideas, and transforming technical knowledge into meaningful solutions. Drawing from startup experiences, the discussion covered problem formulation, solution generation, innovation, and essential marketing strategies, while highlighting common challenges faced during project initiation. An engaging Q&A session allowed participants to exchange ideas, explore entrepreneurial possibilities, and gain practical insights from the speaker.



Epicor Career Connect – Pathway to Success

Date: 27th May 2026

Resource Persons: Mr. Devesh Bardia, Asso. Consultant

The Department of CSE organized an insightful alumni interaction session where a proud alumnus, currently working at Ellucian, guided junior students on how to successfully crack the Ellucian placement drive. The session provided students with first-hand insights into the company's hiring process, technical expectations, and tips for building confidence during interviews. The alumni session offered students valuable insights into the placement process, covering the technical, managerial, HR, and written assessment rounds.



Parent-Teacher Meeting (PTM) for 5th and 7th sem Students

Date: 8th August 2026

The Parent-Teacher Meeting (PTM) for the 7th and 5th semester students of the Department of Computer Science and Engineering was conducted to foster meaningful communication between parents and faculty regarding students' academic progress and overall development. The session included an overview of the department's academic initiatives, curriculum, student activities, and developmental programmes. Parents interacted with the Head of the Department, subject faculty, and mentors to discuss various fields regarding performance, strengths, and areas for improvement. Student Achievement Awards were also presented in recognition of academic excellence and accomplishments. The meeting provided a constructive platform for feedback, guidance, and collaboration, strengthening the partnership between parents and the department in supporting student success.



Club Activities

ACE Club

The *Commit To It* event was conducted as an interactive web page development game to introduce students to the concepts of *Full Stack Development*. In this activity, participants were challenged to identify and match different components required to build a web page, such as frontend elements, backend processes, and database functions.



GeeksforGeeks

Held on 13th May 2026, *CODE ROULETTE* witnessed enthusiastic participation from students eager to challenge their coding skills in a fast-paced competition environment.

The event followed a unique roulette-based format where participants spun a smartboard wheel to receive random coding challenges from different categories. Each challenge tested participants on their speed, accuracy, logic, and coding efficiency.



HackerEarth



RUNTIME TERROR was a fun and engaging event that gave participants a chance to test their technical skills in a relaxed but competitive environment. The technical round included questions like validating a binary search tree, reversing a linked list, and removing the nth node from the end. These problems helped students practice important coding concepts and think logically under time pressure.

MindSpark



GLITCH GALLERY was a fast-paced and engaging visual challenge conducted on April 22nd 2026. The event tested participants' observation skills and logical thinking by presenting them with images containing subtle errors or "glitches" that needed to be identified within a limited time. Participants were required to carefully analyse each image and detect inconsistencies that disrupted logic or reality.

Student Achievements

Global Runner-Up at SEED Business Challenge 2026



Kavya M (1CR22CS079) and **Lavanya Singh** (1CR22CS088) have secured **2nd Position** (Top 3 Teams Globally) in the **SEED Business Challenge 2026**, organized by **SEED Global Education** in collaboration with the **University of Maryland – Robert H. Smith School of Business** and were awarded **USD \$15,000 Scholarship (MS/MBA)** at the **University of Maryland** amongst 1,473 candidates participated worldwide with only 23 finalist teams that advanced to the Grand Finale.

National Level Social Hackathon '26



Team BigForge - **Jashwanth N** (1CR23CS078), **Hitendra S** (1CR24CS405), **Chandana S** (1CR23CS046) and **Gowtham V U** (1CR23CS065) have been awarded with a **Consolation Prize** of ₹2,000 at the **National Level Social Hackathon** that was conducted at **CMR Institute of Technology**



First Prize in ISTE National Level 24 hour Hackathon



Sri Latha G N (1CR24CS221) and **Sri Balaji** (1CR25CS413) have won **1st place** in the **National Hackathon** conducted at **HKBK College of Engineering** on **11th and 12th May 2026**.

Runners Up at the 20th M.V Jayaraman Inter Collegiate Cricket Tournament

🏆 **Aryan Mawa** (*1CR24CS033*) and **Mohammad Riyazuddin** (*1CR22CS106*) from CMRIT Men's Cricket Team have secured **2nd Place** in the **20th M.V Jayaraman Inter Collegiate Cricket Tournament** held at **MVJCE College** from **11th to 17th May 2026**.



Runners Up at the VTU state Level Tournament



🏆 **Ritu Upadhyay** (*1CR23CS147*), **Deeksha Sheoran** (*1CR22CS051*) and **Vaishnavi K** (*1CR23CS203*) from CMRIT Women's Football Team have secured **2nd Place** in the **VTU state Level Tournament** held at **NIE, College of Engineering Mysore** From **11th and 12th April 2026**.

Algo Rhythm 3.0 Fest, Gopalan College of Engineering

🏆 **Ajitesh Kumara** (*1CR22CS012*) has secured **1st Prize** in **Chess**, winning a cash prize of ₹5,000, at the **AlgoRhythm 3.0**, held at **Gopalan College of Engineering (GCEM)** on **April 10th and 11th, 2026**.



🏆 **Abhinav P V** (*1CR22CS006*) for securing **1st Prize** in **Canvista (Digital Poster)**, winning a cash prize of ₹4,000, at the **AlgoRhythm 3.0**, held at **Gopalan College of Engineering (GCEM)** on **April 10th and 11th, 2026**.



First Place at the VTU Bangalore Central Division Cricket Tournament

🏆 **Aryan Mawa** (1CR24CS033), **Shashank N P** (1CR25CS167) and **Mohammad Riyazuddin** (1CR22CS106) from *CMRIT Men's Cricket Team* have secured **1st Place** in the **VTU Bangalore Central Division Cricket Tournament** held at *East Point College* From *11th to 17th April 2026*, and also qualified for the **VTU State Cricket tournament** to be held at *JNNCE Shivmoga Karnataka*.



Student Project Shortlisted at KSCST

🏆 The project “**Harnessing Deep Learning for Air and Water Pollution Detection**”, developed by **Roshini H R** (1CR22CS154), **Shrilakshmi P Naik** (1CR22CS188), and **Sripad Kulkarni** (1CR22CS191) under the guidance of **Prof. Navaneetha M**, was shortlisted for the **49th Series of the KSCST Student Project Programme (SPP) 2025–26**. The team received a cash award of ₹4,500 for their innovative work addressing environmental challenges.

Runners Up at the Apti Forge Hackathon 2026

🏆 **Priyanshu Kumar** (1CR24CS138) has secured **2nd Place** in the **Apti Forge Hackathon 2026** which was conducted on *11th May 2026*.

Third Place in Membrain Hackathon 2026

🏆 **Team MEMBRAINACS** - **Rudhresh V** (1CR22CS155), **Vilas S Patel** (1CR22CS155) , and **Mithun Gowda M** (1CR22CS155) have secured **3rd Place** in the **Membrain Hackathon 2026** that was conducted on *24th & 25th March 2026*, which was successfully organized in collaboration with *AlphaNimble*.

Student MOOC Certificates

Name	USN	Course	Duration	Certification
Abhiram Sarma M S	1CR24CS008	Programming in Java	12 Weeks	Gold Elite
Aditi Agrawal	1CR24CS013	Programming, Data Structures and Algorithms Using Python	8 weeks	Silver Elite
Akshatha Muniraju	1CR24CS018	Programming in Java	12 Weeks	Gold Elite
Anjali RK	1CR24CS024	Programming, Joy of Computing using Python	12 weeks	Silver Elite
Anusha A	1CR24CS027	The Joy of Computing using Python	12 weeks	Silver Elite
Anushka Shanaya	1CR24CS028	Programming in Java	12 Weeks	Gold Elite
Bhanu Prakash T	1CR24CS043	Programming in Java	12 Weeks	Gold Elite
Bhavana	1CR24CS044	The Joy of Computing using Python	12 weeks	Silver Elite
Chandana Ananreddy	1CR24CS052	The Joy of Computing using Python	12 weeks	Silver Elite
Chirag C	1CR24CS054	The Joy of Computing using Python	12 Weeks	Gold Elite
Divya Teja B	1CR24CS062	Programming, Joy of Computing using Python	12 Weeks	Silver Elite
Gauri Halder	1CR24CS065	Programming in Java	12 weeks	Silver Elite
Greeshma Gollapudi	1CR24CS067	The Joy of Computing using Python	12 Weeks	Silver Elite
Jayashree G	1CR24CS079	Programming in Java	12 Weeks	Gold Elite
Manjula.U	1CR24CS098	Programming in Java	12 Weeks	Gold Elite
Manjunath Singh R	1CR24CS099	Programming in Java	12 weeks	Gold Elite

Mohith G	1CR24CS105	Programming in Java	12 weeks	Gold Elite
N D TARUN	1CR24CS111	Programming in Java	12 Weeks	Gold Elite
Nandish R Angadi	1CR24CS113	Programming in Java	12 weeks	Silver Elite
P M Jishaan Afsar	1CR24CS121	Programming in Java	12 weeks	Gold Elite
Poorvika H S	1CR24CS128	Programming in Java	12 weeks	Silver Elite
PRAJWAL A N	1CR24CS130	Programming in Java	12 Weeks	Gold Elite
Pratiksha	1CR24CS133	Programming in Java	12 weeks	Gold Elite
Preston	1CR24CS136	Programming in Java	12 Weeks	Gold Elite
R H Anjali	1CR24CS139	Programming in Java	12 Weeks	Gold Elite
Raksha Nagaraj Naik	1CR24CS142	The Joy of Computing using Python	12 Weeks	Silver Elite
Roopal Guha Neogi	1CR24CS152	Programming in Java	12 weeks	Gold Elite
Sidhesh Panda	1CR24CS179	Programming using Java	12 Weeks	Gold Elite
Subiya Bi	1CR24CS188	Programming in Java	12 Weeks	Gold Elite
Suyash Kumar	1CR24CS196	Programming using Java	12 Weeks	Gold Elite
Tejas Sonnad	1CR24CS202	Programming in Java	12 Weeks	Silver Elite
Vikas R	1CR24CS208	Programming, Joy of Computing using Python	12 Weeks	Silver Elite
Vivek P Tomy	1CR24CS209	Programming in Java	12 Weeks	Silver Elite
Kanishka Gianchandani	1CR24CS218	Programming in Java	12 Weeks	Silver Elite
GAGAN GOWDA L	1CR24CS220	Programming in Java	12 Weeks	Gold Elite
Sri Latha GN	1CR24CS221	Programming in Java	12 Weeks	Gold Elite
Amruth H	1CR25CS403	Programming in Java	12 Weeks	Silver Elite

GAGAN P	iCR25CS406	Programming in Java	12 Weeks	Gold Elite
Iram Firdous	iCR25CS407	Programming in Java	12 Weeks	Silver Elite
Mahesh K J	iCR25CS408	Programming, Joy of Computing using Python	12 Weeks	Silver Elite
Somala Venkata Vidya Reddy	iCR25CS412	Programming in Java	12 Weeks	Silver Elite
Sri Balaji R	iCR25CS413	Programming in Java	12 Weeks	Gold Elite

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JAYASHREE G
for successfully completing the course
Programming in Java
with a consolidated score of **100 %**

Online Assignments	24.94/25	Proctored Exam	75/75
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Total number of candidates certified in this course: 19306

Jan-Apr 2026
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL26CS36S1150203339 To verify the certificate No. of credits recommended: 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ABHIRAM SARMA M S
for successfully completing the course
Programming in Java
with a consolidated score of **97 %**

Online Assignments	25/25	Proctored Exam	72/75
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Total number of candidates certified in this course: 19306

Jan-Apr 2026
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL26CS36S1150201515 To verify the certificate No. of credits recommended: 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SUBIYA BI
for successfully completing the course
Programming in Java
with a consolidated score of **97 %**

Online Assignments	25/25	Proctored Exam	72/75
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Total number of candidates certified in this course: 19306

Jan-Apr 2026
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL26CS36S1250202805 To verify the certificate No. of credits recommended: 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ROOPAL GUHA NEOGI
for successfully completing the course
Programming in Java
with a consolidated score of **96 %**

Online Assignments	23.85/25	Proctored Exam	72/75
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Total number of candidates certified in this course: 19306

Jan-Apr 2026
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL26CS36S1250204411 To verify the certificate No. of credits recommended: 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
CHIRAG C
for successfully completing the course
The Joy of Computing using Python
with a consolidated score of **95 %**

Online Assignments	24.94/25	Proctored Exam	70.5/75
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Total number of candidates certified in this course: 21919

Jan-Apr 2026
(12 week course)

Prof. Vignesh Muthurajayan
NPTEL Coordinator
IIT Madras

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

Indian Institute of Technology Madras

Roll No: NPTEL26CS64S350204137 To verify the certificate No. of credits recommended: 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
SIDHESH PANDA
for successfully completing the course
Programming in Java
with a consolidated score of **95 %**

Online Assignments	24.41/25	Proctored Exam	70.5/75
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Total number of candidates certified in this course: 19306

Jan-Apr 2026
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL26CS36S1250203862 To verify the certificate No. of credits recommended: 4

Faculty Awards

The **Faculty Achievements** of the **CSE Department** highlight the dedication and excellence of faculty members in academics, research, and professional development. The faculty have made significant contributions through *publications, patents, funded projects, workshops, certifications, and academic recognitions*. Their continuous efforts reflect the department's commitment to quality education and research excellence.

PHD Completion

The Department of Computer Science Engineering proudly celebrates the successful completion of Ph.D. degrees by two of its faculty members, marking a significant milestone in their academic and research journeys.



Dr. Priti Badar

Doctor of Philosophy

Jain Deemed to be University

A commendable achievement reflecting dedicated research and academic excellence. The department extends its heartfelt congratulations to both faculty members and wishes them continued success in their academic and research pursuits.



Dr. Anitta

Doctor of Philosophy

VIT Chennai

Q2 Journal Publication



Prof. Savitha N J

Prof. Savitha N J has successfully published a Q2 journal on the title :
Engineering, Technology & Applied Science Research - ETASR

Best Paper Awards



Best Paper Award for the research paper titled
“Adaptive Educational Orchestration System Using Multi-Agent AI for Real-Time Personalized Learning”



Dr. Sumathi D



*Prof. Kuruva
Sree Sowmya*



*Prof. Shilpa
Shree B*



Best Paper Award for the research paper titled
“Ontology-Driven Virtual Reality Framework for Interactive Learning of AYUSH Medicinal Plants”



Prof. Rajeshwari

Hands-on Patent Drafting: Filing and Commercialization Workshop

Foundations of IPR and Patent Innovation Workshop

Prof. Apparasamy has been awarded a certificate of recognition for *Hands-on Patent Drafting: Filing and Commercialization workshop* as well as for *Foundation of IPR and Patent Innovation*



Prof. Apparasamy

Research Grant from the IEEE Computer Society Emerging Technologies Program



Prof. Navaneetha

Prof. Navaneetha has successfully secured a prestigious *Research Grant of 19,750 USD (~₹17.4 Lakhs)* from the *IEEE Computer Society Emerging Technologies Program* for her project proposal titled: *“From Data to Diagnosis: Deep Learning in CAD Detection.”*

TalentNext (WIPRO) Certification

P4 Certificate on Agentic AI



Prof. Rajni Tiwari has been awarded a certificate from **WIPRO** for successfully clearing the **TalentNext certification assessment** and is recognized as a **mentor** for **Project-Based Learning (PBL)** in **Java Full Stack**, along with another certificate for successfully clearing **P4 level on Agentic AI**.

MOOC Awards



Mr. Goutham Raghav Bhat

- NPTEL Champion
- NPTEL Computer Science & Engineering Discipline Star



Dr. Sagarika Behera

- NPTEL Computer Science & Engineering Discipline Star

MOOC Certificates

Name	Course	Certification
Dr. Sagarika Behera	Introduction to IoT	NPTEL Elite + Silver
Prof. Ayushi	Introduction to IoT	NPTEL Elite + Silver
Prof. Ann Mathews	Introduction to IoT	NPTEL Elite + Silver
Prof. Dhivya Kalaiselvan	Introduction to IoT	NPTEL Elite + Silver
Dr. Sumathi D	Neural Networks for Computer Vision and Natural Language Processing	NPTEL Elite + Gold

Prof. Rajni Tiwari	Programming, Data Structures and Algorithms Using Python	NPTEL Elite
Prof. Reshma Gurudath	Design and Analysis of Algorithms	NPTEL Elite
Prof. Anjali Gupta	Python Foundation	Infosys Springboard
Prof. Anjali Gupta	Programming Fundamentals using Python – Part 1 & 2	Infosys Springboard
Prof. Anjali Gupta	Basics of Python	Infosys Springboard



Patents

Patent Application No.	Inventor/s Name	Title of the Patent	Patent Filed Date
202641094775	Dr. Sumathi D., Shilpa Shree B., Rajeshwari R., Lynsha Helena Pratheeba H P, Apparsamy Perumal, Dr. Prem Kumar Ramesh	System and Method for Intelligent Gait-Based Detection of Drunk Individuals Using AI-Enabled Video Surveillance	05.08.2026
202641087398	Savitha N J, Dr. Lata B T	An Intelligent Real-Time Culprit Identification and Tracking System Using Hybrid MobileNet-Attention Mechanism with Federated Edge Learning	17.07.2026
202641097165	Dr. Sreedevi N	Agentic Artificial Intelligence System and Method for Autonomous Early Warning of Landslides	12.08.2026
202641099098	Dr. Priti Badar	A Hybrid System for Copy-Move Image Forgery Detection and Localization	17.08.2026
202641090953	Kuruva Sree Sowmya	Hygiene Monitoring and Contamination Alert System for Reusable Drinkware	27.07.2026
202641099134	Dr. Sanchari Saha, Dr. Jo Cheriyan	A Color-Indicating Wound Moisture Monitoring System for Infection Identification	17.08.2026
202641090018	Dr. Prem Kumar Ramesh, Apparsamy Perumal	Handheld Voice-and-Vision Assistive Device with Adaptive Illumination and Tremor-Aware Capture	24.07.2026
202641099059	Manjula Subramaniam	Sensor Collar and Method for Monitoring and Predicting Tree Stability	17.08.2026
202641095986	Ayushi	An Intelligent Foot Retractable Airbag Mechanism	08.08.2026

Paper Publications

Faculty Involved	Students Involved	Name of the Journal / International Conference	Title of the Paper
Manjula Subramaniam	Nil	18th International Conference on Computational Intelligence and Communication Networks (CICN)	A Clinically Oriented Hybrid CNN– Transformer Framework for Robust and Interpretable Lung Cancer Detection from CT Images
V N Manju, Krishna Sowjanya K.	Nil	2nd International Conference on Electronics, Computing and Communication Networking Automation Technologies	Connectivity-Aware Hybrid CNN– Transformer Network (CAHTNet) for Extraction of Road Topology from Satellite Images with High- Resolution
Navaneetha M	Nil	International Conference on Natural Language Processing and Computer Vision	Beyond Appearance: Temporal Vision- Language Reasoning for Robust Camouflaged Object Detection
Dr. Sagrika Behera	Nil	2026 2nd International Conference on Next- Gen Semiconductor Devices, Materials & Smart Computing Applications	Doppler Estimation of Slow-moving Target using Time Reversal Signal Processing in TWIR Radar
Dr. Sagrika Behera	Nil	International Conference on Electronics, Computing, Communication & Control Technology- 2026 (ICECCC-2026)	Integrated Trauma Detection and Tele- Referral System using Hybrid AI

Ann Mathews, Sridhar N	Nil	6th International Conference on Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC 2026)	A Deep Learning–Driven Intelligent Crop Prediction Model Integrating CNN–LSTM Architecture for Smart Agriculture
Rajeshwari R	Nil	2026 International Conference on Future and Advanced Computing Technologies (ICFACT)	Intelligent Robotic Hand with Real-Time Visual Feedback
Rajeshwari R	Nil	IEEE Sponsored International Conference on Emerging Trends in Mobile Computing and Sustainable Informatics (ICEMCSI 2026)	Real-Time Vision-Based Gesture Control of a Robotic Hand for Medical and Healthcare Applications
Rajeshwari R	Nil	2026 2nd International Conference on Next-Gen Semiconductor Devices, Materials & Smart Computing Applications (ICNGSMCA 2026)	Design and Experimental Evaluation of an Autonomous Water Surface Cleaning Robot
Sreedevi N	Nil	Apple Academic Press	AI-Driven Female Cognitive Fitness Evaluation Through Speech Analytics with Kernel Tricks
Dhivya Kalaiselvan	Nil	2nd International Conference on Sustainability, Innovation & Technology (ICSIT 2026)	FMM-DNN: A Fuzzy Min–Max Optimized Deep Neural Network for Accurate Breast Cancer Detection
Sanitha Michail C (ECE)	Siona Raj (CSE)	ICAISS-2026	Stock Trend Prediction Using Explainable AI

Mrs. Navaneetha M	Mudasira Sultana, Lavanya Singh, M Mabisha	IEEE International Conference on Data Science for Cyber Physical System (ICDCA-2026)	Sentinel Chain: AI- Powered Decentralised Threat Intelligence on Blockchain
Dr. Preethi Sheba Hepsiba	Nil	Journal of Institution of Engineers, Series B	Impact of Diverse Learning Resources on Student Performance: A Survey-Based Analysis
Smitha N	Nil	International Conference on Electrical, Electronics, Computer Science and Information Technology (EECI2026)	Explainable Multimodal Retrieval- Augmented Generation Framework for Radiology Diagnosis Using Vision Transformers and Similar Case Retrieval

Faculty Development Program

Title of the FDP Attended	Faculty Members
Quantum AI Convergence for Next-Gen	Ms. Shilpa Shree , Ms. Anitta
Next Generation Software Engineering	Mrs. Anjali Gupta



Tech Talks

Faculty Name	Tech Talk Topic	Date
Paramita Mitra	Applied Machine Learning and its application through visual programming tool (Orange)	7/5/2026
Smruthi Nair	AI-Enabled Digital Twins for Smart Decision Making	7/5/2026
Prof. Rajeshwari R	Digital Twin Technology	13/5/2026
Prof. Shilpashree	The Future of Intelligent Agents: Exploring Agent AI and BDI Models	27/5/2026
Dr. Sanchari Saha	AI-Based Sentiment Analysis Application with Python and MySQL	27/5/2026
Prof. Manjula Subramanian	Agentic AI for Intelligent Patient Monitoring in Healthcare	13/6/2026
Prof. Ayushi P	Internet of Medical Things (IoMT) in Smart Hospitals	13/6/2026
Dr. Sreedevi. N	Role of AI and ML in smart grids	15/6/2026
Prof. Anitta D	When Machines Talk: Inside the World of IoT	15/6/2026
Dr. Sagarika Behera	Digital Forensics in Cyber Security	19/6/2026
Dr. Prem Kumar Ramesh	A Semantic Digital Twin Framework for Predictive Failure Analytics in IoT	24/6/2026
Prof. Navaneetha M	Deep Learning-Based Synthetic Handwritten Digit Generation Using Generative Adversarial Networks	29/6/2026

Mr. Raghuram Mudumbi	Reinforcement Learning in AI and in Autonomous Vehicles	15/7/2026
Ms. Sarada T.	Learnings from AI, Cybersecurity Seminars at Ford, Flipkart.	14/8/2026
Dr. Prem Kumar Ramesh	From Computation to Cognition – The Future of Intelligent Technologies	21/8/2026



Grants and Research Centre

Grants

Faculty Involved / Dept.	Startup Name
Smitha N, Savitha N J, Dr. Sanchari Saha	AI Tech Solutions

Research Centre Details

Name of Scholars	USN	Area of Research	Supervisor Name	Research Title
Ms. Navaneetha M	1CR21PCSo3	Deep Learning	Dr. Shanthi M.B	Computer Vision Based Traffic Surveillance for Managing Unusual Events in Smart Cities Using Deep Learning
Manjula Subramaniam	1CR24PCSo2	AI	Dr. Kesavamoorthy R. (External Guide)	AI-Driven Gamified Diagnosis of Social, Communication and Motor Skills in Autism with Gesture and Motion Tracking
Lynsha Helen Prateeba	1CR25PCSo1	Image Processing	Dr. Manju V N	Hyperspectral Imaging Based Detection and Analysis of Oil Spill in Ocean

Awards

Recipients	Subject
Prof. Lynsha Helena Pratheeba HP Prof. Kavyashri N P	Achieving more than 95% results
Dr. Prem Kumar Ramesh	P4 Programming Test and P4 Certification in Agentic AI
Prof. Rajni Tiwari	P4 Programming Test and P4 Certification in Agentic AI; 100% Score in the P4 Programming Test
Prof. Reshma Gurudath	Coordination of Student MOOC Courses
Prof. Krishna Sowjanya	Dedicated efforts in the Results Analysis Process
Prof. Smruthi Nair; Prof. Kiran Kumar Bonthu	Successful completion of Students' Club Activities targets
Prof. Lynsha Helena Pratheeba HP	Successful completion of the Innovation & Entrepreneurship Events target and securing one of the top-performing scores across all departments

Dr. Sanchari Saha	Dedicated efforts in tracking RCPIE targets and facilitating MEP/MEA/IEP faculty engagement
Dr. Sagarika Behera	Coordination of the IQAC audit, TRCIPE allocation, and compilation of inputs for various department support verticals
Prof. Lynsha Helena Pratheeba HP; Prof. Kavyashri N P	Successful execution of the village visit under the Unnat Bharat Abhiyan (UBA) project and VTU Activity Points initiative
Dr. Sagarika Behera	Successful organization of the COE–MIBD Short-Term Training Program (STTP) and achievement of associated targets
Dr. Sreedevi N	100% Result in Internet of Things (BCS701), B Section
Prof. Lynsha Helena Pratheeba HP	Coordination of “Clip Battle: An Innovative Short Video Competition” and Demo Day showcasing innovative CSE student projects
Dr. Sumathi D	MLOps End-to-End Workflow: From Model Development to Deployment
Kuruva Sree Sowmya	Coordination of Power BI and Tableau
Prof. Bibi Annie Oommen; Dr. Manju VN; Prof. Anjali Gupta; Prof. Rajeshwari; Prof. Bibi Annie Oommen; Prof. Smruthi Nair; Prof. Kuruva Sree Sowmya; Prof. Anitta; Prof. Ayushi; Prof. Lynsha Helena Pratheeba HP	Industry Summit Support
Prof. Manjula Subramaniam	Completing the PB target for the department with zero pending from CSE

Prof. Ranjini K	Excellent coordination with HR and management of 3+1 recruitments within the last month
Prof. Priti K Zanje	Coordination of the Expert Talk “From Code to Cloud: How Modern DevOps Builds Scalable Systems”

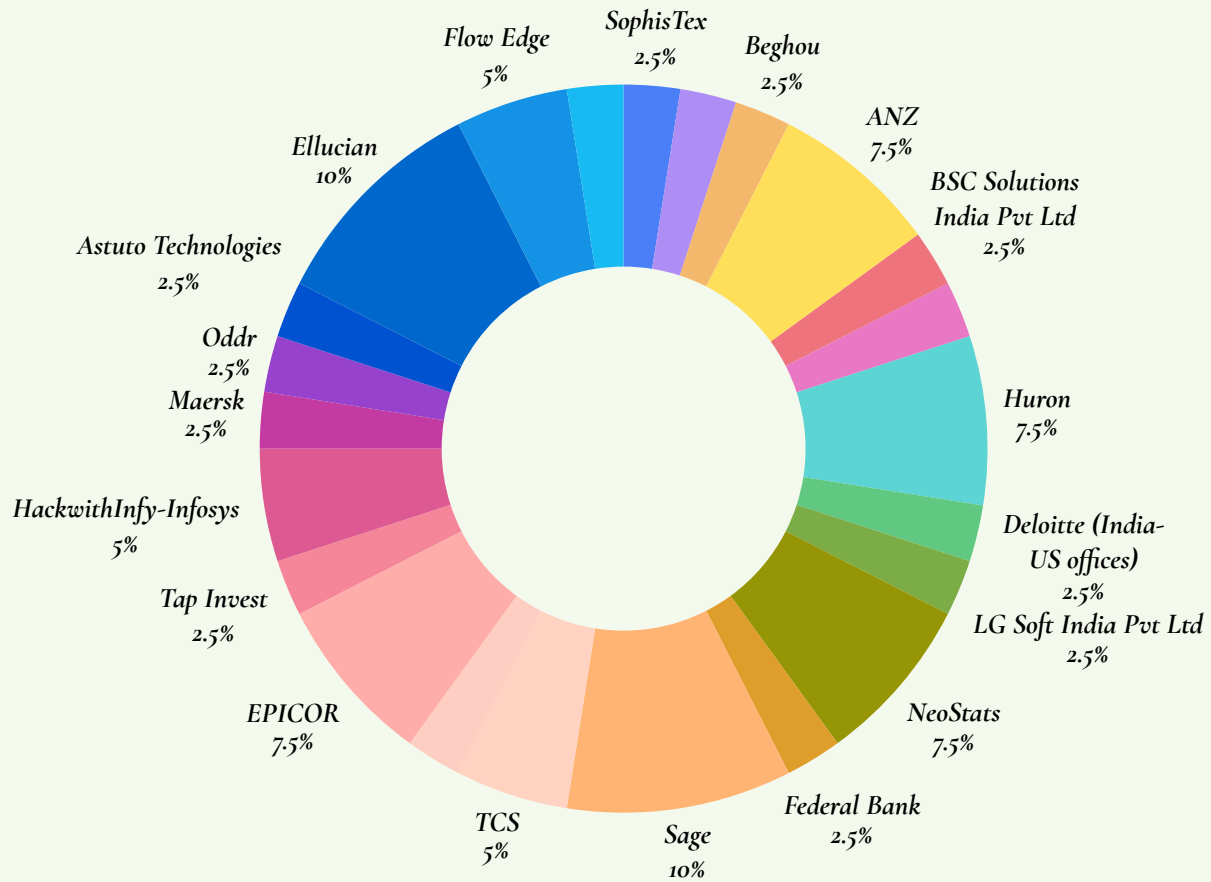


Placements

Name	USN	Company	Salary
Advait Harish	1CR23CS018	EPICOR	14.1 LPA
Mohammed Asadullah	1CR23CS109	EPICOR	14.1 LPA
Siona Raj	1CR23CS189	EPICOR	14.1 LPA
Zeba Fatma	1CR23CS220	Astuto Technologies	13 LPA
Kiran Raj M R	1CR22CS082	Sage	11.5 LPA
Likhitha N Swamy	1CR22CS089	Sage	11.5 LPA
Kavya M	1CR22CS079	Sage	11.5 LPA
Ipshita Mohapatra	1CR22CS069	Sage	11.5 LPA
Rakshitha C	1CR22CS147	Beghou	11.42 LPA
Mohan Kumar H D	1CR23CS111	Tap Invest	10-12 LPA
Swara Kumar Sahu	1CR23CS195	Maersk	10.83 LPA
Ajeya Kumara K	1CR23CS023	Ellucian	9.1 LPA
Jashwanth N	1CR23CS078	Ellucian	9.1 LPA
M Anindita	1CR23CS098	Ellucian	9.1 LPA
Swathi R Nair	1CR23CS196	Ellucian	9.1 LPA
Sohan B	1CR23CS190	Oddr	9 LPA
Shraddha Anand Jambagi	1CR23CS180	Flow Edge	8.1 LPA
Shivani Sivasankar	1CR23CS178	Flow Edge	8.1 LPA
Villas S Patil	1CR22CS212	Deloitte (India-US offices)	7.5 LPA

Ananya Vijetha	rCR23CS032	Affine Surge	7.5 LPA
Ananya Choudhury	rCR22CS021	Aon	7 LPA
Lakshmikanth D M	rCR22CS087	TCS	7 LPA
Prajwal B G	rCR22CS128	TCS	7 LPA
Chandana S	rCR23CS046	HackwithInfy-Infosys	7 LPA
Adithya S Y	rCR23CS015	HackwithInfy-Infosys	7 LPA
Akshat Khandelwal	rCR22CS013	Huron	6 LPA
Anju H D	rCR22CS026	Huron	6 LPA
Indushree B	rCR22CS068	Huron	6 LPA
Harshitha G	rCR22CS066	SophisTex	5 LPA
Shreedevi Shankar Hali	rCR22CS183	Federal Bank	4.6 LPA
Aakarsh Divyam	rCR22CS001	LG Soft India Pvt Ltd	4.1 LPA
Chethan Kumar V	rCR23CS404	Orane Consulting	3.5 LPA
Bhadradi Neeharika	rCR22CS042	BSC Solutions India Pvt Ltd	3 LPA
Anna Binoy	rCR22CS029	NeoStats	25K / M
Shashank K R	rCR22CS175	NeoStats	25K / M
Shreeshashi Shivappa Padal	rCR22CS184	NeoStats	25K / M
Surjith Sanjay Hanji	rCR22CS197	ANZ	22.5K / M
Ayaan Goel	rCR22CS038	ANZ	22.5K / M
Reihan Ahamed	rCR23CS411	ANZ	22.5K / M
Keerthi J K	rCR22CS080	Aeroaegis Internship	8 k

Placement Percentage Pie Chart



Department of Computer Science and Engineering

The department is a recognized research centre under VTU and offers doctoral programmes in computer sciences. The programme aims to provide students with a strong foundation in Computer Science and enable them to integrate their knowledge with other disciplines for carrying out innovative discoveries.

Many of the computer science graduates from CMRIT step directly into computer-related career positions in both private and government agencies, while some choose to continue their education in graduate degree programmes.

Accreditation, Approvals and Recognition:

The Department of Computer Science & Engineering is approved by the National Board of Accreditation (NBA), New Delhi, and AICTE, New Delhi. It is permanently affiliated to Visvesvaraya Technological University (VTU), Belgaum in Karnataka and is also recognized by Govt. of Karnataka.

CMR Institute of Technology

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