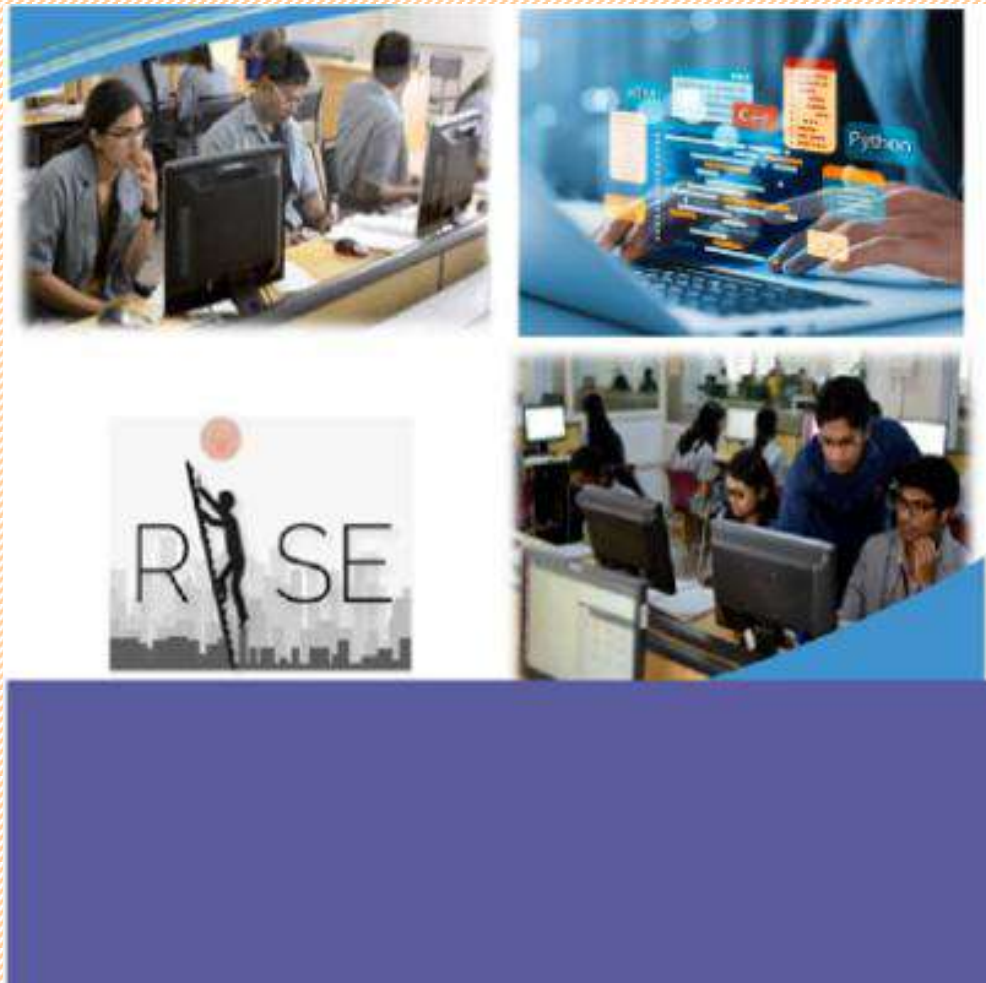


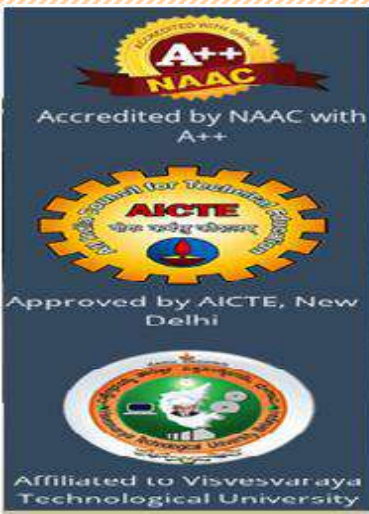
INFO-RISES

VOLUME 12, ISSUE 10, MARCH 2025 – AUGUST 2025
DEPARTMENT OF INFORMATION SCIENCE AND
ENGINEERING



CMR INSTITUTE OF TECHNOLOGY

132, AECS Layout, IT Park Road, Bengaluru- 560037



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING INFO-RISES 2024-25 EVEN SEMESTER

VOLUME 12 ISSUE 10



Dr. Sanjay Jain
Principal

DEPARTMENT VISION

“To empower our students with necessary domain knowledge and professional skills in information technology for a global career to serve the society.”



Dr. B. Narasimha Murthy
Vice-Principal

DEPARTMENT MISSION

- *To build a faculty team with industry and academic exposure, capable of empowering and equipping students with necessary domain knowledge.*
- *To prepare the students for a global career in computing by enriching the curriculum with a blend of theory and practice.*
- *To develop industry relevant technical and communication skills with cross-cultural sensitivity through training programs, vibrant student clubs and student internships.*
- *To engage with industry and institutes of repute and collaborate in academics, research and development involving faculty and students.*

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Newsletter Editor:

***Ms. Deepa H
Assistant Professor
Dept. of ISE, CMRIT***

MESSAGE FROM HOD



We are delighted to publish the August - 2025 issue of our bi-annual newsletter, "Info-Rises." The Department of Information Science and Engineering remains actively engaged in academic and research endeavours.

In our commitment to bridging the gap between academia and industry, we have implemented an industry-oriented curriculum and embraced blended pedagogy techniques to enhance teaching and learning outcomes. The entrepreneurial ecosystem within our department serves as a source of inspiration for both faculty and students, encouraging them to transform innovative ideas into profitable ventures.

We are grateful for our dedicated teachers, enthusiastic students, and committed staff members, whose collective efforts contribute to our department's success. Congratulations to our students for their active participation in various technical events, extracurricular activities, research endeavours, and competitive exams. We extend our best wishes to all for a prosperous career and fulfilling life ahead.

**- Dr. Jagadishwari V
HOD, Dept. of ISE**

CLUB ACTIVITIES

Sl.No	CLUB NAME	EVENT	DATE OF CONDUCTION
1	Google DSC	FRONT END FRENZY WHERE CREATIVITY MEETS CODE	20/03/2025
		CAPTURE THE FLAG- TEST YOUR SKILLS, STRATEGY AND SPEED TO CODE, CRACK AND CAPTURE	12/03/2025
		UX FIRST: HANDS-ON WIREFRAMING WORKSHOP	16/04/2025
		STARTUP SMARTS	14/05/2025
2	Coding Ninjas	UNITY BASICS	19/03/2025
		UNITY UNVEILED	05/03/2025
		ANIMATION BASICS	17/04/2025
		GETTING STARTED WITH BLENDER	23/04/2025
		PACT - A STARTUP EVENT	14/05/2025
3	RISE	THE REFLEX CIRCLE: CODE, REACT, CONQUER!!	20/03/2025
		UNO PITCH	05/03/2025
		HACKOPOLY	23/04/2025
		BUG AND BOUNCE	24/04/2025

CMRIT RISE DEPARTMENT INSTITUTION'S INNOVATION COUNCIL

UNO PITCH

PLAY YOUR CARDS, WIN THE CODE!

VENUE - LH 204
DATE - 5TH MARCH 2025
TIME - 2:00 - 4:00

EVENT COORDINATORS
VARSHINI- 99017 67360
NEHA- 63604 32358

FACULTY COORDINATOR - PROF. POORNIMA MANJUNATH - 97439 99249

CMRIT RISE DEPARTMENT INSTITUTION'S INNOVATION COUNCIL

THE REFLEX CIRCLE

CODE. REACT. CONQUER!

VENUE - LH 204
DATE - 20TH MARCH 2025
TIME - 2:00P.M - 4:00P.M

EVENT COORDINATORS
VANDITA-72047 02706
HARSHITH-99630 71199

FACULTY COORDINATOR - PROF. POORNIMA MANJUNATH - 97439 99249

Department of Information and Engineering
CODING NINJAS presents

GETTING STARTED WITH BLENDER

DATE: 23/04/25
TIME: 2-4PM
VENUE: LH204

Link: <https://forms.gle/X9DJX9JfH0EH0p1gA6>

Faculty Coordinator:
Prof. Poornima Manjunath:
97439 99249

Event Co-ordinators:
Celia: 84317 67985
Aditi: 87928 93876

Department of Information and Engineering
CODING NINJAS presents

PACT

A STARTUP EVENT

DATE: 14/05/25
TIME: 2-4PM
VENUE: LH204

[HTTPS://FORMS.GLE/LZFASP75ZRDTZHPJ7](https://forms.gle/LZFASP75ZRDTZHPJ7)

Faculty Coordinator:
Prof. Poornima Manjunath:
97439 99249

Event Co-ordinators:
Celia: 84317 67985
Aditi: 87928 93876

CMRIT INSTITUTION'S INNOVATION COUNCIL

UX FIRST: HANDS ON WIREFRAMING WORKSHOP

Date: 16/04/2025
Time: 2:00PM - 4:00PM
Venue: LH 201
Link: <https://forms.gle/dazadoxS3ZRFBP1SA>

Student Co:
Divy (+91 9663548648)
Sohan (+91 08795150)

Faculty Co:
Prof. Poornima Manjunath (+91 9743999249)

CMRIT INSTITUTION'S INNOVATION COUNCIL

Frontend Frenzy

Where Creativity Meets Code!

Date: 20/03/2025
Time: 2:00PM - 4:00PM
Venue: LH 201
Link: <https://forms.gle/Seamfhaqfyxkifxu8>

Student Co.: Anshika (+91 8210060969) Bincy (+91 8073589687)
Faculty Co.: Prof Poornima Manjunath (+91 9743999249)

DEPARTMENT OF INFORMATION AND ENGINEERING
CODING NINJAS PRESENTS

UNITY BASICS

Start Creating Unity 101

WHEN? 19TH MAR
WHERE? LH204
AT? 2-4PM
LINK: [HTTPS://FORMS.GLE/1QDZT6SM3GZHS9HG](https://forms.gle/1QDZT6SM3GZHS9HG)

Coordinators:
Nivedh: 63647 34444
Akansha: 74886 95488

Faculty Coordinator:
Prof. Poornima Manjunath:
97439 99249

CMRIT RISE DEPARTMENT SERVER INSTITUTION'S INNOVATION COUNCIL

HACKOPOLY

Play the Game of Innovation,
Win with Creativity!

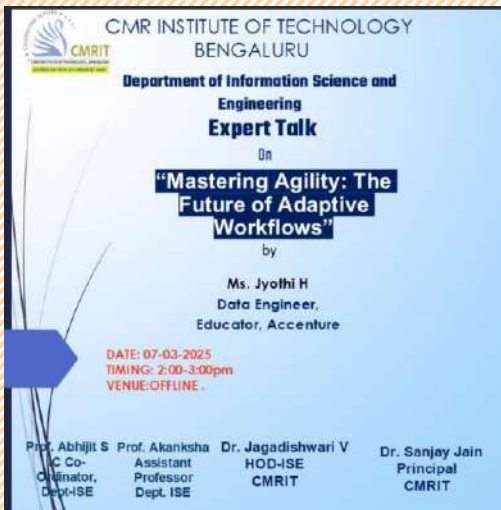
EVENT DETAILS
VENUE : LH-204
DATE : 23rd APRIL, 2025
TIME : 2:00 to 4:00 pm

EVENT COORDINATORS
AKSHATHA : 8217648210
ADITI : 7697946291

FACULTY COORDINATOR : PROF. POORNIMA MANJUNATH : 97439 99249

INDUSTRY CONNECT

- Department of Information Science and Engineering conducted Expert Talk on “**Mastering Agility: The Future of Adaptive Workflows**” by **Ms. Jyoti Holkar** - Lead Data Engineer, Mentor, Trainer, Accenture on **March 2025**.



- Department of Information Science and Engineering Conducted a Guest Lecture on "**Animated React Apps Using Framer Motion**", by **Mr. Keshav Dussal** - Senior Software Engineer, QueBurst, on **April 2025**.



- Department of Information Science and Engineering conducted Expert Talk on “**Error Control Coding Technique in Networking: An Overview**” by **Dr. Smitha Sasi**, DSCE, Bengaluru on **May 2025**.

Department of Information Science and Engineering
Expert Talk
On
“Error Control Coding Technique in Networking: An Overview”
by
Dr. Smitha Sasi
Professor, DSCE
Bengaluru, India

DATE: 13-05-2025
TIMING: 3:00-4:00pm
VENUE: ONLINE.

Registration Link:
<https://forms.gle/cuDFKhqjCTRZkzQ7A>

Organizers:

Dr. Srividya R Associate Professor -ISE	Akanksha A Assistant Professor-ISE	Dr. Jagadishwari V HOD-ISE CMRIT	Dr. Sanjay Jain Principal CMRIT
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- Department of Information Science and Engineering Conducted Expert Talk on “**Application Of Block Chain on Internet**” by **Dr. Geeta**, Associate Professor, BNMIT, Bangalore on **May 2025**

CMR INSTITUTE OF TECHNOLOGY
BENGALURU
Department of Information Science and Engineering
Expert Talk
On
“Application of Block Chain On Internet”
by
Dr. Geeta
Associate Professor, BNMIT,
Bengaluru, India

DATE: 14-05-2025
TIMING: 2:00-3:00pm
VENUE: ONLINE .

Registration Link:
<https://forms.gle/86FcZ2YjWvvn7Vv16>

Organizers:

Prof. Akanksha A Assistant Professor Dept. ISE	Dr. Jagadishwari V HOD-ISE CMRIT	Dr. Sanjay Jain Principal CMRIT
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- Department of Information Science and Engineering Conducted Expert Talk on “**The Innovation Edge: Shaping the Future through Startups and Creativity**” by **Mr. Shibu Kurian**, Chief Information and Technology Officer, 7 Sages Solutions, Bengaluru on **May 2025**




CMR INSTITUTE OF TECHNOLOGY
 Bengaluru

Department of ISE in Association with IIC 7.0 CMRIT
 Organize an Expert Talk on
The Innovation Edge: Shaping the Future through Startups and Creativity



Resource Person:
Mr. Shibu Kurian
 Chief Information & Technology Officer
 7 Sages Solutions, Bengaluru

Date : 15th May 2025
Time : 2.00 pm to 4.00pm

Organizers
Prof. Sugunadevi C
 Internship Coordinator(ISE)
 CMRIT

Registration Link : <https://forms.gle/zm1R9EzjCB0pfeXv99>
 Meet Link : <https://meet.google.com/wb-baov-nrd>

Prof. Komala Devi I&E Head(ISE) CMRIT	Dr. Vakula Rani J IIC President CMRIT	Dr. Jagadishwari V HOD-ISE CMRIT	Dr. Sanjay Jain Principal CMRIT
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- Department of Information Science and Engineering Conducted Expert Talk on “**Automotive Infotainment Testing Methods**” by **Sahana H B**, Lead Software Engineer, Capgemini, Bengaluru on **May 2025**



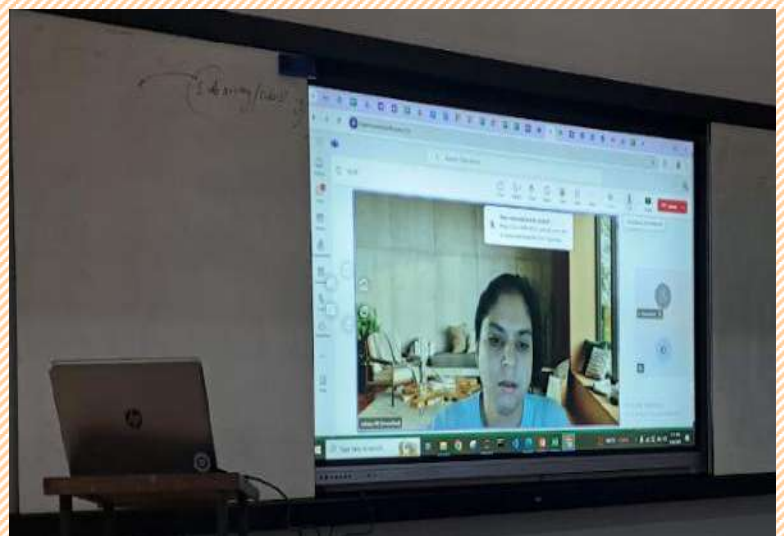
CMR INSTITUTE OF TECHNOLOGY
 BENGALURU

Department of Information Science and Engineering
Expert Talk
 On
“Automotive Infotainment Testing Methods”
 by
Sahana H B
 Lead Software Engineer, Capgemini
 Bengaluru, India

DATE: 16-05-2025
TIMING: 1:00-2:00pm
VENUE: ONLINE.

Registration Link:
<https://forms.gle/b26spYP Rf1E7BpHm8>

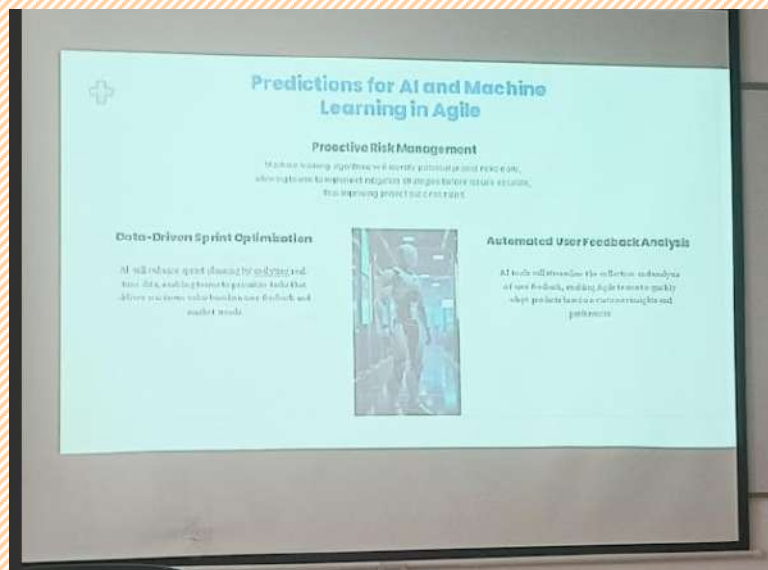
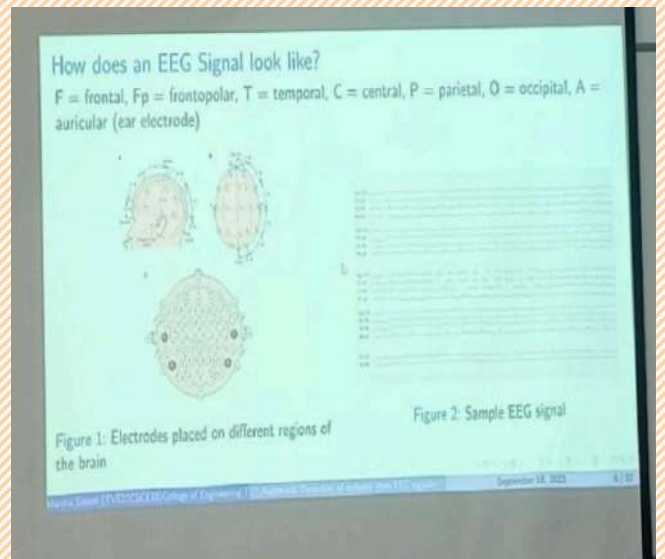
Organizers:
Dr. Srividya R Associate Professor -ISE
Akanksha A Assistant Professor-ISE
Dr. Jagadishwari V HOD-ISE CMRIT
Dr. Sanjay Jain Principal CMRIT



FACULTY TECHTALK

Faculty members in the department have given a tech-talk on latest trends software tools and research focused topics related to ISE during **March 2025 to August 2025**.

FACULTY	TOPIC
Dr. Jagadishwari V	Data Visualization
Ms. Kavitha P	EGC based heart disease prediction
Dr. Poorani	Data Manipulation & data structures
Ms. Nidhi Joshi Parsai	Introduction to Gradle
Ms. Poornima Manjunath	Productivity app for ADHD affected people
Dr. Saba Tahseen	Fuzzy rule based multimodal health monitoring system leveraging machine learning techniques using EEG Data sets for human emotion & psychological disorders
Mr. Rakesh Kumar	CoackroachDB
Ms. Manasa C H	Sentiment Analysis of Movie Reviews
Dr. Ciyamala Kushbu S	UI/UX
Ms. Deepa H	Exploring Augmented & Virtual Reality
Ms. Varsha Jituri	Bravio Studio:No Code Mobile App Builder
Dr. Srividya R	Cryptography :Priciples & practices
Dr. S Seetha	Amazon AWS Clod computing
Dr. Senthil Velan S	LaTex
Ms. Sugunadevi C	Explainable AI Techniques(LIME & SHAP)
Mr. Arvind R	Playwright:Automation Testing Tool
Ms. Martha Simon Areickal	Automatic detection of Epilepsy from EEG Signals



FACULTY PUBLICATIONS

1. Ganesh, N.G., Balasubramanian, V., Prasad, D.V.V. and SenthilVelan, S., 2025. Deep learning-based user authentication with hybrid encryption for secured blockchain-aided data storage and optimal task offloading in mobile edge computing. *Wireless Networks*, 31(3), pp.2389-2417.
2. Neeraj, M., Daniel, E., Durga, S. and Seetha, S., 2025, April. Explainable Multi-Stage Churn Prediction using Graph Neural Network in Telecom Sector. In 2025 8th International Conference on Trends in Electronics and Informatics (ICOEI) (pp. 1100-1105). IEEE.
3. Akash, K.V., Daniel, E., Seetha, S. and Durga, S., 2025, February. Breast Cancer Detection using Domain-Adversarial Training (DANN) with Invariant Risk Minimization (IRM) Hybrid Approach. In 2025 International Conference on Electronics and Renewable Systems (ICEARS) (pp. 1706-1712). IEEE.
4. Sahu, P., Daniel, E., Sivan, D. and Seetha, S., 2025, June. Vector-Quantized multi-gained attention-based image generation using sparse swin transformer model. In AIP Conference Proceedings (Vol. 3291, No. 1, p. 030022). AIP Publishing LLC.
5. Khan, I., Somshekhar, D., Harikrishnan, N., Neetha, P.U. and Pavithra, D., 2025, March. Hierarchical Meta-Reinforcement Learning for Uncertainty-Aware Resource Allocation in C-V2X Networks. In 2025 International Conference on Machine Learning and Autonomous Systems (ICMLAS) (pp. 167-172). IEEE.
6. Suruchi Sabherwal, and Sinha, A., 2025, March. Hybrid Link Prediction Model with Explainable AI for Online Social Networks. In 2025 International Conference on Computing for Sustainability and Intelligent Future (COMP-SIF) (pp. 1-6). IEEE.
7. Sugunadevi, C., 2025, February. Groundnut Leaf Disease Classification using CNN Models: Enhancing Performance with Transfer Learning in ResNet50. In 2025 International Conference on Electronics and Renewable Systems (ICEARS) (pp. 2010-2015). IEEE.

8. Kumar, R., Irfan, B.M., Sugunadevi C., Soni, U., BK, M. and Maranan, R., 2025, April. Smart Energy Management Leveraging Twin Adaptive Pulse Coupled Networks for Dynamic Energy Optimization in IoT-based Electrical WSN. In 2025 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM) (pp. 401-407). IEEE.
9. Kumar, T.R., Komala Devi, K. and Subramanian, P., 2025, February. Optimizing Forest Fire Detection Systems: A Deep Learning Approach with UAVs and Binary Sand Cat Swarm Optimization. In 2025 International Conference on Electronics and Renewable Systems (ICEARS) (pp. 123-132). IEEE.
10. Lakshmi, M., Sudhakar, K., Poornima Manjunath, Mazumder, D., Tamilselvi, B. and Manikandan, G., 2025. Optimizing Device Performance with BCIs: A User-Centric Approach to Brain Data Privacy. In Concepts and Applications of Brain-Computer Interfaces (pp. 227-242). IGI Global Scientific Publishing.
11. Komala Devi K, Josephine Prem Kumar, and Sourav Karanth. "Optimized Method for Prediction and Recommendation of Crops Using Fusion Ensemble Learning Crop Recommendation Model." In 2025 Fifth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), pp. 1-8. IEEE, 2025.
12. Bhandarkar, S.N., Poornima Manjunath, Shanbhag, R.D. and GN, S., 2024, December. Productivity App for ADHD Affected People. In 2024 IEEE 3rd International Conference on Data, Decision and Systems (ICDDS) (pp. 1-5). IEEE.
13. Saba Tahseen, Lewis, K. and Rajsree, L.V., 2025, January. Efficient and Robust Deep Learning for Real Time Plant Disease Detection Using CNN. In 2025 International Conference on Next Generation Communication & Information Processing (INCIP) (pp. 1029-1033). IEEE.
14. Ravishree, M.M., Kamaleshwari Pandurangan, and Vivekanandan, S.J., 2025, April. Using Machine Learning to Identify Outliers in Indian Agriculture Data for Crop Yield Prediction. In 2025 International Conference on Data Science and Business Systems (ICDSBS) (pp. 1-8). IEEE.

15. Senthil Velan, S., Velan, S.S., Rubini, P. and Sudhakar, K., 2024, June. Evaluation and Inference of a Proposed, Improved and Efficient W Model for Software Testing. In 2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT) (pp. 1-6). IEEE.
16. Ciyamala Kushbu S, T M, I., Lakshmi R, S., & Vivekanand, C. V. (2025). Optimal feature extraction for the classification of Cardiac Magnetic Resonance Images. The Imaging Science Journal, 1–16.
17. Ciyamala Kushbu. S, C. Manasa, M. A. Reddy, P. Kumar, K. Manne and M. B. Prakash, "Symply - Medicine Recommendation System using Machine Learning" 2025 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Bhubaneswar, India, 2025, pp. 1-5
18. Ciyamala Kushbu. S, C. Manasa, M. Sruthi, T. Radhika, V. Chandraprakash and V. Rajeshwari, "Real-Time Bidirectional Visitor Counter with Wireless Smart Power System" 2025 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Bhubaneswar, India, 2025, pp. 1-6,
19. Ciyamala Kushbu. S, Deepa. H, S. L. R, S. Gaurav, S. Sen and V. Dash, "Gesture Art Board: Advancing Digital Expression Through Hand Gesture Recognition Technology" 2025 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Bhubaneswar, India, 2025, pp. 1-6,

PATENTS

Sl. No.	Name of the Faculty	Patent Title	Application No
1	Dr. Jagadishwari Palani	Automated Pet Dispenser	202541061368
2	Dr. S Senthil Velan	Overhead Tank Water Flow based Power Generator Assisted with Dual Spring Assisted Balanced Wheel	202541061759
3	Dr. S Seetha	Ergonomic Glove for wrist support while using Mouse	202541060705
4	Mr. Harikrishnan N	Smart Water Bottle for Dehydration Detection by using Real-Time Biomarkers Sensing Technology	202541062021
5	Dr. Ciyamala Kushbu S	InjectP	202541051102
6	Dr. Suruchi Sabherwal	The adjustable SmartScan Bookmark	202541034645
7	Prof. Komala Devi	AI Powered Multi-Crop Intercropping Recommendations for small scale farmers	202541009055
8	Prof. Varsha Jituri	Automated Self-Cleaning Mechanism for Solar Panels Using Passive and Active Hybrid Systems	202541047953
9	Prof. Poornima Manjunath	Smart bed monitoring the sleep cycles and various health metrics display	202541009095
10	Prof. Deepa H	Portable Solar Panel Tarp for Trekking and Agricultural Applications	202541051098
11	Prof. Manasa C.H	Interactive Learning Pen	202541057899
12	Prof. Neera Chaudhary	Versatile Data Preprocessing System for Deep Learning	202541056192

13	Prof. Akansha	AI-Based trainer mirror for personal fitness	202541005681
14	Prof. Jayshree M	Sensor Driven Solar Panel Cleaning System	202541014598
15	Dr. Kanika Agrawal	Block chain-Enabled Solution for Safeguarding Health Records.	202541033658
16	Prof. Kavitha P	Self-heating Bottle Using Battery for Liquids	202541036282
17	Dr S Seetha	Wireless selfie stick controlled with hand	202541060967
18	Dr. Suruchi Sabherwal	Machine Learning-Based Automated Sorting and Grading Systemfor Post-Harvest Processing	202541023759
19	Prof. Anaswara Venunath	OnePulse: Single handed gaming controller device	202541056546
20	Prof. Jayshree M	An AI-Powered System for Automatic Night Blindness Detection and Evaluation	202541040688

I&E CELL ACTIVITIES



- Department of ISE in Association with IIC CMRIT Organized a **“Two day Startup Training session”** for 6th Semester ISE Students on **7th and 8th May 2025**



- Department of ISE in Association with IIC CMRIT conducted **“Faculty Innovation and Entrepreneurship project presentation”** on **4th March 2025 and 6th May 2025, 10.30am – 1.20pm at Board room, Ground floor.**

CMR INSTITUTE OF TECHNOLOGY
Bengaluru

**Faculty Innovation & Entrepreneurship Project
Presentation for Quarter 3 - 2025**

Date: March 4th 2025, April 1st 2025 & May 6th 2025
Time: 10.30am - 1.30pm Venue: Board Room, Ground Floor

Coordinators :
K Komala Devi **Dr. Vakula Rani J** **Dr. Jagadishwari V** **Dr. Shyam P Joy** **Dr. Sanjay Jain**
 I&E Head, ISE IIC President HOD-ISE HEAD R&I Principal
 CMRIT CMRIT CMRIT CMRIT CMRIT

- Department of ISE in Association with IIC CMRIT organized “**Exposure and Field Visit to Atal Incubation Centre**” on **9th April 2025, from 8:00 AM to 5:00 PM, at DSU City Innovation Campus**. The session commenced with a PowerPoint presentation by the CEO of the Atal Incubation Centre, Mr. Vinod Shankar, who provided an overview of the center’s mission, vision, and various programs designed to support startup growth.



- Department of ISE in Association with IIC CMRIT conducted “**Poster Making Competition on World Creativity and Innovation Day**” on **23rd April 2025 from 8:00 am – 5:00 pm at AV Hall, Ground floor**.



COE Explainable AI

- Department of ISE COE Explainable AI in Association with IIC CMRIT Organized STTP on **“Explainable AI and Generative AI for Engineers: Concepts, Tools and Applications”** on **3rd March 2025 to 13th March 2025** from 2:00 pm – 4:00 pm at AV Hall, Ground floor.



CMRIT CMR INSTITUTE OF TECHNOLOGY
Bengaluru

INSTITUTION'S INNOVATION COUNCIL
Shriyati of IITD Kolkata

CoE ExplainableAI
Department of ISE
Organizes
STTP on
"Explainable AI & Generative AI
For Engineers: Concepts, Tools, and Applications"

Topics:

- Fundamentals of XAI, Gen AI
- XAI in Engineering Applications
- Combining XAI with Generative Models
- Interpretable Gen AI: Challenges & Applications
- Case Study
- Tools & Frameworks

03-03-2025 to 13-03-2025 **2:00 pm to 4:00 pm**

Prof. Varsha P
Head-CoE XAI
CMRIT

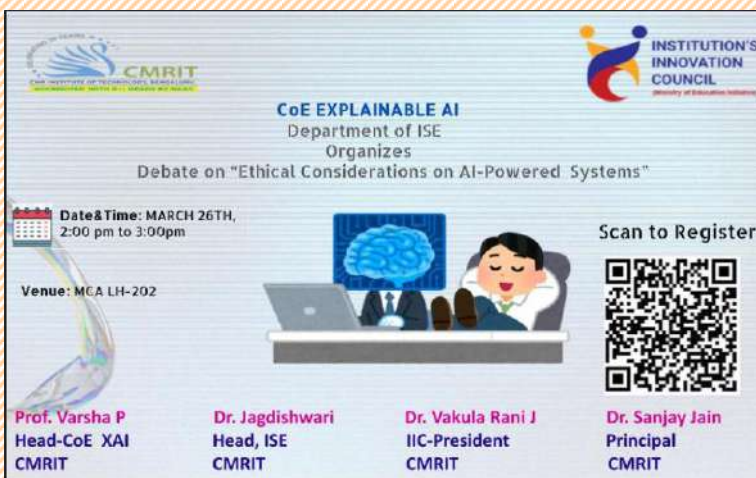
Dr. Jagdishwari
HoD, ISE
CMRIT

Dr. Vakula Rani J
IIC-President
CMRIT

Dr. Sanjay Jain
Principal
CMRIT



- Department of ISE COE Explainable AI in Association with IIC CMRIT Organized Debate on **“Ethical Considerations on AI-Powered Systems”** on **26th March 2025** from 2:00 pm – 3:00 pm at MCA LH-202.



CMRIT CMR INSTITUTE OF TECHNOLOGY
Bengaluru

INSTITUTION'S INNOVATION COUNCIL
Shriyati of IITD Kolkata

CoE EXPLAINABLE AI
Department of ISE
Organizes
Debate on "Ethical Considerations on AI-Powered Systems"

Date & Time: MARCH 26TH,
2:00 pm to 3:00pm

Venue: MCA LH-202

Scan to Register

Prof. Varsha P
Head-CoE XAI
CMRIT

Dr. Jagdishwari
Head, ISE
CMRIT

Dr. Vakula Rani J
IIC-President
CMRIT

Dr. Sanjay Jain
Principal
CMRIT



- Department of ISE COE Explainable AI conducted First Year Course on **“Explainable AI tools for DataScience”** on **May 2025** by Ms. Varsha P, Ms. Komala Devi, Ms.Suguna Devi, Mr. Arvind R, Prof. Susheelamma, Prof Jayashree, Prof. Kavitha, Prof. Suruchi and Prof. Rajalakshmi



- Department of ISE COE, Explainable AI in Association with IIC CMRIT Organized Expert Talk on **“Understanding XAI, GenAI and Agentic AI Concepts, Tools and Applications”** on **21st June 2025** by **Varsha Agarwal**, Co-Founder - Lenostun, Karnataka State Vice President of WICCI - Machine Learning, AI, Research and Development Council.

The image is a composite of two parts. On the left is a promotional poster for an expert talk. The poster features the logos of CMRIT (CMR Institute of Technology, Bengaluru) and the Institution's Innovation Council (University of Education, Bangalore). The text on the poster reads: "CoE EXPLAINABLE AI Department of ISE ORGANIZING AN EXPERT TALK ON UNDERSTANDING XAI, GEN AI and Agentic AI: CONCEPTS, CAPABILITIES, AND IMPACTS". It specifies the mode as ONLINE, the date and time as 21st JUNE, 2025, 2:00 pm to 3:00pm, and the speaker as VARSHA AGARWAL, Co-Founder- Lenostun, Karnataka State Vice President of WICCI. Below the speaker's name are the names and titles of four organizers: Prof. Varsha P (Head-CoE XAI CMRIT), Dr. Jagdishwari (Head, ISE CMRIT), Dr. Vakula Rani J (IIC-President CMRIT), and Dr. Sanjay Jain (Principal CMRIT). A QR code is provided for registration. On the right is a screenshot of a Zoom meeting. The main video shows a woman with glasses speaking. A 'People' sidebar on the right lists several participants, including 'Srinivas Venkatesh', 'Sourav G', 'SouravSajappa Das', 'Anupriya', 'Varsha P', and 'Varsha Agarwal'. The meeting title at the bottom is 'Expert Talk'.

Alumni Events

- Alumni Talk on “**Cyber security: Innovations in Pen testing**” was conducted for all the students of CMRIT as part of the Department I&E activity. It was held on **14th March 2025** from 2.00 pm to 4.00 pm offline by **C. Tarun Teja**.



- CMRIT Alumni **Sudhanshu A, Program Manager, OnePay** Conducted **Mock Interview** for the Pre-Final year students of ISE Department to enhance their interview readiness by simulating real-world scenarios and providing constructive feedback. It was held on **5th April 2025** from 10 am to 2 pm.



- Alumni Talk on “**Spring into Innovation: Unleashing Creativity with Java Spring Boot**” was conducted for all the students of CMRIT as part of the Department I&E activity. It was held on **12th April 2025** from 2 pm to 4 pm offline mode by **Gayathri G.**



- **CMRIT Grand Alumni Meet** was conducted on **June 14, 2025**, as a Part of Silver Jubilee Celebration. 56 ISE Alumni participated.



INDUSTRY CONNECT ACTIVITIES ATTENDED BY FACULTY

SL NO.	FACULTY	EVENT/TOPIC	VENUE
1	Dr. Susheelamma K H	Two days Technical Conclave on "Excellence in Technical Training: Lessons from Industry" organized by Centre for Educational Excellence and Development (CEED)	Karnataka Engineers Academy (KEA), Bangalore
2	Dr. Srividya R	Participated in Unisys Innovation Program Year 16 Tech Confluence	ITC Gardenia Hotel, Bengaluru.
3	Mr. Arvind R	RISE Open House 2025	IIIT-Bangalore
4	Prof. Anaswara Venunath	RISE Open House 2025	IIIT-Bangalore
5	Prof. Jayshree M	IEEE Workshop: Advancing Innovation with IEEE Research Tools event	Shangri-La, Palace Road, Abshot layout, Bengaluru.
6	Prof. Suguna Devi	RISE Open House 2025	IIIT-Bangalore
7	Dr. Kanika Agrawal	Blockchain And Its Appliactions	RK College of Engineering in association with Pantech e Learning
8	Dr. Suruchi Sabherwal	IEEE Workshop: Advancing Innovation with IEEE Research Tools event	Shangri-La, Palace Road, Abshot layout, Bengaluru.



FACULTY ACHIEVEMENTS

- Dr. Ciyamala Kushbu S has published the research article titled "Optimal feature extraction for the classification of Cardiac Magnetic Resonance Images" in the "Imaging Science Journal," which is a Scopus Q2 journal with Q3 Subject Category.
- Dr. S. Seetha has published the research paper titled "FLEM-XAI: Federated learning based real time ensemble model with explainable AI framework for an efficient diagnosis of lung diseases" in Scopus Q2 journal.
- Prof. Deepa H received the CMRIT Staff Award towards its Initiatives for Excellence under the Category "Result and Feedback > 95%" during March 2025.
- Prof. Arvind R received the CMRIT Staff Award towards its Initiatives for Excellence under the Category "Most Dedicated Faculty" during March 2025.
- Dr. Srividya R received the CMRIT Staff Award towards its Initiatives for Excellence under the Category "Best Project-Techno Meet" during March 2025.
- Mr. M. Pushpa Vinayak received the CMRIT Staff Award towards its Initiatives for Excellence under the Category "Most Dedicated Technical Support Staff" during March 2025
- Mr. Lakshman G received the CMRIT Staff Award towards its Initiatives for Excellence under the Category "Most Dedicated Admin Support Staff" during March 2025
- Appreciation Certificate was given to Prof. C H Manasa for Excellent performance in Co-ordinating Mini Project & Exhibition
- Appreciation Certificate was given to Prof. Nidhi Joshi Parsai for Excellent performance in Co-ordinating Activity Point & Techtalk
- Appreciation Certificate was given to Prof. Apurva Chaudhari for Excellent performance in Co-ordinating ERP
- Appreciation Certificates were given to Prof. Deepa H, Dr. Ciyamala Kushbu S, Dr. M. Poorani, Prof. Arvind R, Prof Apurva Chaudhuri for securing student feedback above 90% during March to June 2025.
- Appreciation Certificate was given to Prof. Shilpa Mangesh Pande for Excellent performance in Co-ordinating Alumni Activities.

NPTEL/MOOC:

- Dr Senthil Velan S received an Elite Certificate in the NPTEL exam for the MOOC Course "Data Science for Engineers" during March 2025.
- Dr S Seetha successfully completed NPTEL exam for the MOOC Course " Data Structures and Algorithm" during May 2025.
- Prof. Shilpa Mangesh Pande received an Elite Certificate in the NPTEL exam for the MOOC Course " Programming, Data Structures and Algorithms using Python" during March 2025.
- Prof. Manasa C H received an Elite Certificate in the NPTEL exam for the MOOC Course " Cloud Computing" during May 2025.
- Prof. M Vijaysanthi successfully completed NPTEL exam for the MOOC Course "Introduction to Large Language Models (LLMs)" during April 2025.
- Dr Suruchi Sabherwal successfully completed NPTEL exam for the MOOC Course "Introduction to Large Language Models (LLMs)" during April 2025.

STUDENT ACHIEVEMENTS

SL NO.	STUDENT	EVENT
1	Kushi H R - 1CR21IS081 Prajna Patel - 1CR21IS113 Vydurya - 1CR21IS182 Sagar - 1CR21IS132	Received grant worth Rs. 4,000 on 48th Series of SPP - KSCST grant with Project Title: Smart Road Sync
2	Tankala Meghana - 1CR21IS166 Vishalakshi N - 1CR21IS180 Vandana - 1CR21IS174	Received grant worth Rs. 2,000 on 48th Series of SPP - KSCST grant with Project Title: Empowering Recruitment with Multilingual Resume Analysis Using NLP Techniques
3	Soumyajit Majumdar - 1CR21IS157 Woody Vijaykumar Samyuktha - 1CR21IS183 Isha Agarwal - 1CR21IS066	Received grant worth Rs. 4,000 on 48th Series of SPP - KSCST grant with Project Title: Fertilizer Recommendation System for Farmers
4	Sudiksha Biradar - 1CR21IS161	Completed 22 extra credits from NPTEL for Honors in Engineering Degree
5	Navneet Singh - 1CR22IS098 Sahil - 1CR22IS125 Mohammed Adnan - 1CR22IS088	Won 3rd Place as Debutants and Cash Prize Of ₹7,000 At CMRIT National Level Social Hackathon '25
6	Sai Meghana S - 1CR22IS126	Won 2nd Place in Apticode Showdown 2025 which was conducted at CMRIT on March 2025
7	Aswin J A-1CR22IS025 Akash P-1CR22IS011 Gowda Karthik S- 1CR22IS055 Adarsh - 1CR22IS006	Won Runner-up – SafeStep at B-Plan Pitch Demo Day – Business Plan & Linkage with Expert
8	Akanksha Pandit-1CR23IS008	Won Second Prize for presenting Business plan in Intra-Institutional Business plan competition 2025 – The Startup Spark Organized at CMRIT
9	Mudiyala Akshaya Sai Reddy- 1CR22IS091 Deeksha H S-1CR22IS044	Participated in ISRO START Course and Received merit certificate
10	Vinayak Mishra (1CR23IS196)	Runner-Up at Table Tennis Tournament Conducted at CMRIT

11	Sattvik Shukla-1CR23IS147	2nd Prize Poster Making Competition Conducted At CMRIT
12	Yashwanth - 1CR23IS201	Won 2nd Place in Reel Making in Kannada Kalarava, organized by St. Joseph College of Commerce.
13	Sameer	Winner of the patent Idea-thon Competition with Patent titled "One pulse"
14	Aswin J A - 1CR22IS025	Won Consolation Prize for presenting Business plan in Intra-Institutional Business plan competition 2025 – The Startup Spark Organized at CMRIT
15	Darshan M Biradar-1CR22IS042	Won 2nd Prize in Short Film Fest Organized by East Point College of Engineering
16	Sowmya Aishwarya	First Prize in Rangoli Competition at Ugadi Utsav Competitions Organized by CMRIT





GRADUATION DAY

The Graduation Day ceremony was conducted on 28th June 2025 at CMRIT, signifying a proud milestone in the academic journey of our graduating students. The ceremony was graced by the Chief Guest, Mr. Ram Subramaniam, GCC Lead at Qualcomm, who delivered an inspiring address to the graduating batch. The day stood as a memorable occasion, marked by celebration, reflection, and recognition of the students' dedicated efforts and achievements.



PROJECT EXHIBITION

- **Mini project exhibition** was held on **14th May 2025** in ISE Department L-208 from 02:00 PM to 04:00 PM. There are 72 mini project teams in the 6th semester and all 3 sections had ML project which was guided by faculties of our department. The projects developed were based on latest technologies like Full Stack Development, Artificial Intelligence, Machine Learning, Mobile application development, Web Technologies and so on.



➤ **Mini project exhibition** was held on **15th May 2025** in the departmental labs for **4th semester students**. Students exhibited their **technical skills** along with their **creativity, communication and problem-solving skills**.



PLACEMENTS

COMPANY IN WHICH PLACED	STUDENTCOUNT	PACKAGE
RELEVANCE LAB	1	5.5 LPA
HASHEDIN	2	8.1 LPA
ANZ BANK	1	12.5LPA
KOCH	1	7.5 LPA
ASCENDION	2	4 LPA
QUANTUMSTREET	1	9 LPA
CONDE NAST	3	6.6 LPA
MSG GLOBAL	3	6 LPA
7TH GEAR AI	1	6 LPA
DIONA	1	15 K STIPEND
WIPRO	1	3.5 LPA
HUDL SPORTS TECH	1	2.87 LPA
SCALER ACADEMY	1	7 LPA
ESYASOFT	1	8 LPA
Q SPIDERS	3	CSR ACTIVITY - TRAINING AND PLACEMENT ASSISTANCE
CMRIT HACKATHON : 7TH GEARAI	1	10K (INTERNSHIP)-FIRST MONTH SUBSEQUENT ADDITION IN STIPEND
SASKEN SUMMER INTERNSHIP PROGRAM WITH PPO	4	5 LPA
ANZ (APPRENTICE HIRING)	6	2.70 LPA
EPICOR	1	14 LPA
TECHNOLOGICS GLOBAL PRIVATE LIMITED	2	4 LPA
7-ELEVEN GLOBAL SOLUTIONS	2	8 LPA
WESCO/ANIXTER	4	6 LPA
NOKIA	1	30 K STIPEND

BOEING	1	32 K STIPEND
BOTTOMLINE TECHNOLOGIES	1	11 LPA
MEESHO	1	4.5 LPA

EPICOR

MSG
global

CONDÉ NAST

 Bottomline

 ELEVEN


wesco | anixter

 esyasoft

SCALER 

 KOCH™

ANZ 

Hashed*in*

Student Article

Talking About It

I'm sure every student reading this will relate to me. And I hope every teacher or parent will too.

College life is very different from school life. For some, it's better — they became who they couldn't be before. They found the freedom to be themselves. They finally had the time to figure themselves out.

And for others, college life is harder. Life gets tougher, responsibilities grow, friends drift away, and the future feels uncertain. Life, at any point, comes with its fair share of ups and downs. Now, in my fourth year of college, I have some thoughts too.

We all face problems — overwhelming ones. Thoughts that cloud our minds and tear us down. We lose hope, lose heart, and sometimes even lose the will to keep going. But despite everything, we are strong. Even when life tethers us or pulls us apart, we each have a strength that keeps us going.

From handling difficult, toxic, or even incomplete families, to coping with failure, hopelessness, or just the unpredictability of life — there's no guidebook. Life doesn't come with a manual, and it rarely follows any rulebook either.

At this crucial stage in my career, I find myself contemplating not just my own thoughts, but those of others around me. I wonder — should I be doing something more? Something better? Something more productive?

But maybe... no. Not necessarily.

Talking about your issues is the first step to understanding them. Sometimes, you gain clarity you didn't have before. Sometimes, just thinking out loud or talking openly — without stigma or fear — helps you realize that the problem you thought was insurmountable might not be so big after all.

Talking about it — whatever “it” means — is important. “It” can mean different things to each of us. It can be self-doubt. It can be anger, loss, hope, or even dreams. And talking about it is hard. Not just sometimes, but often. Even with friends who care. Even with parents who love us. Sometimes, all we need is someone to simply listen.

If you're reading this, I hope you know that you're not alone in this journey.

Talk to your friends, to people who understand you and those who are on your side. Because we weren't meant to do this alone.

And a reminder that our college provides access to some truly wonderful people — our counselors, mentors and teachers — who are here to listen, and maybe even guide you. Because sometimes, we all need a little bit of guidance. And a little bit of help.

Thank you for reading.
I wish you well.



Kabir Ahmed
[1CR22IS065]

EMOTIONAL INTELLIGENCE-The Real Super Power

Ever feel like you're reacting more than responding?

You're in class, a friend makes a joke at your expense, and before you know it you snap. Or maybe you're stressed about an exam and end up pushing people away who are trying to help. These little moments? They all point to something called emotional intelligence and yes, it's something we all can (and should) work on.

So, what is emotional intelligence really about?

At its core, emotional intelligence (EQ) is your ability to understand and manage your own emotions, while also recognizing and responding to the emotions of others. It's not just about being "nice" or "calm." It's about being aware. Ever found yourself taking something personally when it wasn't meant that way? Or maybe you've misread someone's silence as anger. That's where EQ comes in it's like an internal GPS that helps you navigate not just situations, but people.

Why does it matter in college life?

College throws a lot at us tight deadlines, group projects, misunderstandings with friends or roommates, and the pressure to always "have it together." Emotional intelligence helps you pause before reacting, communicate better in those awkward or tense moments, and bounce back from setbacks. Whether it's handling a group member who doesn't do their part, or managing your own stress during internals EQ is your invisible superpower.

So how does emotional intelligence show up in everyday life?

- During conflicts: Instead of reacting impulsively, you take a breath and choose to respond.
- While receiving feedback: You don't take it as an attack but as a chance to grow.
- When things go wrong: You reflect, instead of spiraling.
- In friendships and relationships: You listen better, empathize more, and communicate clearly.

And guess what? These skills aren't just useful in college they're the exact ones that future workplaces value most.

Can you actually build emotional intelligence?

Absolutely.

Here's how to start:

- Pause and reflect: Before reacting, ask yourself—Why am I feeling this way?
- Journal your thoughts: Writing helps process emotions and spot patterns.
- Practice active listening: Really hear people out before jumping in.
- Ask questions: Instead of assuming, get clarity.
- Be kind to yourself: Self-awareness grows when you're not constantly judging yourself.

In the end, emotional intelligence isn't about being perfect or emotionless. It's about being in tune with yourself and the people around you. In a world that often rewards speed and reaction, EQ reminds you to slow down and connect. And sometimes, that's the smartest thing you can do.



AISHWARYA ACHARI
[1CR23IS400]

Faculty Article

Human Touch, Machine Intelligence: The Next Era of Healthcare

Artificial Intelligence (AI) is rapidly emerging as a transformative force in healthcare, not as a replacement for medical professionals, but as a powerful partner enhancing their capabilities. For doctors and nurses, AI promises to streamline workflows, elevate decision-making, and ultimately improve patient outcomes.

For **physicians**, AI-driven diagnostic platforms can analyze imaging scans, pathology slides, and patient records with remarkable speed and accuracy. By flagging anomalies and suggesting possible diagnoses, these systems serve as a decision-support layer, reducing the risk of oversight. Predictive analytics can identify high-risk patients early, enabling preventive care strategies. In surgical environments, AI-powered robotic assistance offers unmatched precision, while virtual simulations allow doctors to refine techniques without risk to real patients.

For **nurses**, AI will alleviate the burden of repetitive administrative tasks. Smart monitoring devices can track vital signs continuously, sending real-time alerts at the first sign of patient deterioration—often before symptoms are physically apparent. Voice-enabled documentation systems will reduce time spent on electronic records, allowing nurses to devote more attention to bedside care. AI chatbots can assist in patient education, medication reminders, and post-discharge follow-ups, ensuring continuity of care beyond hospital walls.

The integration of AI also strengthens **collaborative care models**. In rural or underserved regions, telemedicine combined with AI diagnostics enables nurses on-site to connect with remote specialists, bridging critical access gaps. AI becomes the “extra team member” who never tires, constantly scanning data to support timely and accurate interventions. Yet, the success of AI in healthcare hinges on trust, transparency, and training. Medical professionals must be equipped to understand AI’s strengths and limitations, ensuring that technology complements, rather than overrides, human judgment. As AI continues to evolve, its greatest value lies in enabling doctors and nurses to focus on what no machine can replicate—compassion, empathy, and the human connection that defines quality care. In this partnership between human expertise and machine intelligence, healthcare stands poised to become more predictive, personalized, and profoundly patient-centered.



Dr. Ciyamala Kushbu S
Asst. professor, ISE

Alumni Testimonial

Harsha Pallamreddy – Alumni (2019-21), Placed in Oracle Financial Services

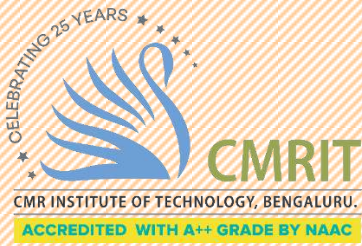


My time at CMR Institute of Technology, Bangalore, has been truly transformative in my academic and professional journey. CMRIT offers an outstanding learning environment, with highly qualified and dedicated professors. One of the institute's most valuable strengths is its personalized student support system. Each semester, a dedicated mentor guides a small group of students, ensuring individual attention and progress tracking. End-of-semester performance reviews further help identify strengths and improvement areas. Each semester features a mini project, enabling students to apply classroom knowledge to real-world challenges, while the final year culminates in a major project integrating all learned skills. Two of my mini projects were recognized among the best in the Department of ISE, a proud achievement for me. Guided by my final-year project mentor, my team also published a research paper in IEEE, enhancing my academic profile and research experience. To foster continuous learning, CMRIT mandates MOOC certifications each semester, enabling exploration of emerging technologies. Regular hackathons, seminars, and workshops in areas like Cybersecurity, Machine Learning, and IoT further strengthen hands-on learning.

CMRIT's Placement Cell focuses on providing job opportunities, with faculty and student coordinators in each department to address placement queries and offer guidance throughout the process. The Tie-Your-Laces (TYL) programme, focused on building aptitude, logical reasoning, and problem-solving skills. Multiple mock placement drives and alumni-led mock interviews are also conducted on campus, giving pre-final year students realistic interview practice, boosting their confidence, and helping them identify areas for improvement ahead of actual recruitment processes.

Beyond academics, CMRIT encourages a vibrant student life. The institute hosts annual events like College Fest and Ethnic Day, featuring competitions in coding, gaming, music, dance, comedy, and more, which allow students to showcase their talents and creativity. Student-led clubs in fields like photography, coding, acting, singing, and others, provide platforms for collaboration and foster connections among like-minded peers, helping students build valuable networks.

Looking back, I am deeply grateful for CMRIT's holistic approach to education. The knowledge, skills, and experiences I gained during my time there have been instrumental in shaping my career and continue to guide me in my professional journey. This strong foundation helped me secure a placement at Oracle Financial Services (formerly i-flex Solutions) as an Associate Consultant.



Thank You

Department of Information Science and Engineering

Half-yearly Newsletter
MARCH 2025 – AUGUST 2025

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