

# INFO-RISES

VOLUME 8, ISSUE 6, MARCH 2023- AUGUST 2023  
DEPARTMENT OF INFORMATION SCIENCE AND  
ENGINEERING



CMR INSTITUTE OF TECHNOLOGY



## DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING INFO-RISES 2022-23 EVEN SEMESTER

VOLUME 8 ISSUE 6



**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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## **Editorial Team**

*Mr. Harish. L*  
*Assistant Prof.*  
*Dept. of ISE, CMRIT*

*Mr. Arvind R*  
*Assistant Prof.*  
*Dept. of ISE, CMRIT*

## MESSAGE FROM HOD



*Indeed, it creates immense pleasure in writing this message which spreads positive vibrancy among all of us. CMR Institute of Technology conducts various activities for the benefit of students, faculty, and society. This newsletter is the epitome of the success stories of these events. These kinds of proud moments encourage the student's community to move to higher levels in Academia, Sports and other activities. We, the faculty of ISE strive to impart our best in terms of knowledge dissemination and bring out our students with a holistic personality. Our initiatives definitely mold the students such that they face the external world with prompt technical, interpersonal and problem-solving skills. I thank the faculty who are involved in this newsletter making for their real efforts. I appreciate all who did a great job of winning competitions and brought accolades to CMRIT. I wish all our students and faculty a stupendous success in upcoming activities!!!!*

*- Dr. M. Farida Begam  
HOD, Dept. of ISE*

# CLUB ACTIVITIES

Sl.No	CLUB NAME	EVENT	DATE OF CONDUCTION
1	Google DSC	deBuG 1.0	22nd June 2023
		Introduction to Docker	31st May 2023
		Introduction to Docker	11th May 2023
		ML Showdown	05th April 2023
2	CodingNinjas	Quiztopia	2nd August 2023
		Connect to Glory	19th July 2023
		Code Words	22nd June 2023
		Code Relay	13th May 2023
		Tech Gig	12th April 2023
3	RISE	Freeze	24th August 2023
		Defreeze	26th August 2023
		Freeze	28th June 2023
		Code or Dare 2.0	13th May 2023
		Think Before You Choose	06th May 2023
		CODEWIZ	08th April 2023

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING  
CODING NINJAS  
PRESENTS

W  
C O D E  
R  
D  
S

DATE: June 22, 2023  
TIME: 2:30-3:30 PM  
VENUE: LH-201

EVENT COORDINATORS:  
MRIGANK- +91 7970783618  
MUSKAN- +977 9808635909

CMRIT

'RISE' club presents

CODE OR DARE

2.0

VENUE:  
LH-206  
13-05-2023

contact:  
Gurukiran -9886246256  
Gurunath-6366218820

'RISE' club presents

CODE TO WIN

3:00 PM - 4:00 PM  
15 FEB 2023  
VENUE  
LH-206

contact:  
Kiran -9353946658  
harsha-6363545953

# INDUSTRY CONNECT

1. Expert Talk on **Cybersecurity Innovations & Disruptions** by **Dr Swetha M S** Asst. Prof. Dept. of ISE, BMS Institute of Technology, Bengaluru on July 14<sup>th</sup> 2023.



The poster is for an expert talk organized by CMRIT Bengaluru. It features the CMRIT logo on the top left and the Institution's Innovation Council logo on the top right. The text reads: 'CMR INSTITUTE OF TECHNOLOGY BENGALURU Department of Information Science and Engineering is organizing an Expert Talk on Cybersecurity Innovations & Disruptions by Dr Swetha M S Assistant Professor, Information Science & Engineering, BMS Institute of Technology & Management, Bengaluru'. Below this is a photo of Dr. Swetha M S. The event details are: Date: 14<sup>th</sup> June 2023, Time: 1.30pm to 3pm, Meeting Link: <https://shorturl.at/blrCW>, and Registration Link: <https://forms.gle/GZsvlbTM9u3ztlvVA>. At the bottom, under 'Organizers:', three names are listed: Dr. Poorani M (Asst. Prof., Dept. of ISE, Contact: 8734408132, E-mail: poorani.m@cmrit.ac.in), Dr. M. Farida Begam (HOD-ISE, CMRIT), and Dr. Sanjay Jain (Principal, CMRIT).

2. Expert Talk on **Innovative applications in Block Chain Technology** by **Dr H Shaheen** Associate Professor, Faculty of Computing and Engineering, University of West London, RAK, UAE on June 31<sup>st</sup> 2023.
- 6




CMR INSTITUTE OF TECHNOLOGY  
BENGALURU

Department of Information Science and Engineering  
is organizing an Expert Talk on

## Innovative Applications in Block Chain Technology

by



Dr. H Shaheen  
Associate Professor,  
Faculty of Computing and Engineering, University of West London,  
RAK, UAE

**Date:** 31<sup>st</sup> May 2023  
**Time:** 1:30pm to 3pm  
**Meeting Link:** <https://shorturl.at/gmCY>  
**Registration Link:** <https://forms.gle/PKSF6GknsJLjg3Jl7>

**Organizers:**

<b>Dr. Poorani M</b> Asst. Prof. Dept. of ISE Contact: 8754408132 E-mail: poorani.m@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-ISE CMRIT	<b>Dr. Sanjay Jain</b> Principal CMRIT
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3. Expert Talk on **Innovative Applications using Open-Source Technologies** by **Mr. Sunil Angadi** Test Developer, IBM, Bangalore on April 5<sup>th</sup> 2023.




CMR INSTITUTE OF TECHNOLOGY  
BENGALURU

Department of Information Science and Engineering  
is organizing an Expert Talk on

## Innovative Applications using Open-Source Technologies

by



Mr. Sunil Angadi  
Test Developer,  
IBM, Bangalore

**Date:** 05<sup>th</sup> April 2023  
**Time:** 1:30pm to 3pm  
**Venue:** 2<sup>nd</sup> Floor AV Hall, Civil Block, CMRIT  
**Registration Link:** <https://forms.gle/Y4V7YksAtfP3KivA8>

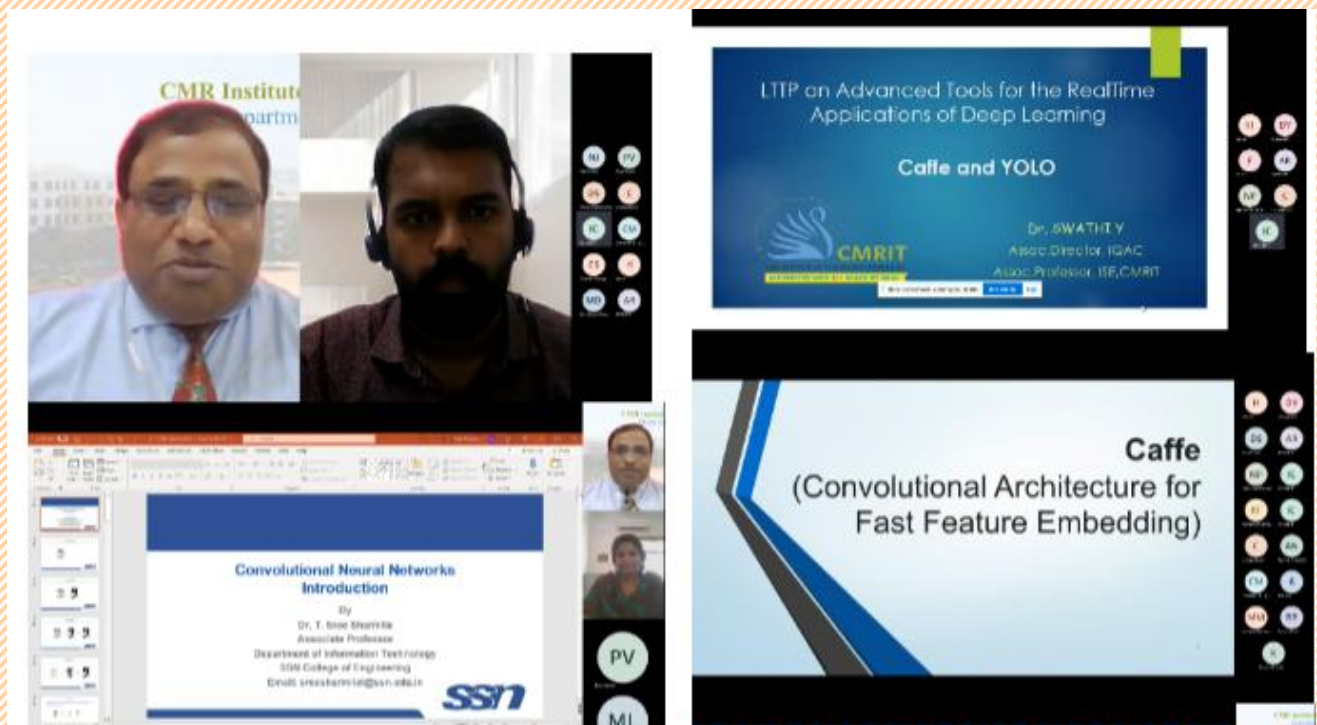
**Organizers:**

<b>Dr. Poorani M</b> Asst. Prof. Dept. of ISE Contact: 8754408132 E-mail: poorani.m@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-ISE CMRIT	<b>Dr. Sanjay Jain</b> Principal CMRIT
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4. Under Industry Connect Activities Dept. of ISE organized industrial visit to Airport Authority of India



Dept. of ISE Conducted Long Term Training Program (LTTP) on “Advanced Tools for the Real Time Applications of Deep Learning” from 27-03-2023 to 01-04-2023



# CENTER OF EXCELLENCE

1. COE Data Driven IoT has successfully conducted Expert Talk on “**Research Opportunities in IoT using Data Science**” by Dr. Poorani M, Asst. Professor, Dept. of ISE, CMRIT, Bengaluru on March. 03<sup>rd</sup> 2023.



2. COE Data Driven IoT has successfully conducted Expert Talk on “**Innovative IoT Applications and Use cases**” by Mr. Harish L, Asst. Professor, Dept. of ISE, CMRIT, Bengaluru on March. 29<sup>th</sup> 2023.

CMR INSTITUTE OF TECHNOLOGY BENGALURU  
 Department of Information Science and Engineering  
 COE- Data Driven IoT  
 is organizing a Expert Talk on

**INNOVATIVE IOT APPLICATIONS AND USECASES**  
 by  
 Mr. Harish L  
 Asst. Prof  
 Dept. of ISE  
 CMRIT, Bangalore

Date : 29<sup>th</sup> March 2023  
 Time : 2pm to 4pm  
 Venue: DS405

Registration Link : <https://forms.gle/cRQ2pdAcEDFv0y6>

Organizers:  
 Mr. Harish L  
 COE-DDIoT Head, ISE  
 Contact:9449420341  
 E-mail: harish.l@cmrit.ac.in

Dr. M. Farida Begam  
 HOD-ISE  
 CMRIT

Dr. Sanjay Jain  
 Principal  
 CMRIT



3. COE Data Driven IoT has successfully conducted Expert Talk on “**Innovative IoT Applications in Robotics**” by Mr. Harish L, Asst. Professor, Dept. of ISE, CMRIT, Bengaluru on May, 17<sup>th</sup> 2023.

CMR INSTITUTE OF TECHNOLOGY BENGALURU  
 Department of Information Science and Engineering  
 COE- Data Driven IoT  
 is organizing a Expert Talk on

**INNOVATIVE IOT APPLICATIONS IN ROBOTICS**  
 by  
 Mr. Harish L  
 Asst. Prof  
 Dept. of ISE  
 CMRIT, Bangalore

Date : 17<sup>th</sup> May 2023  
 Time : 2pm to 4pm  
 Venue: Online

Registration Link : <https://forms.gle/silW6hmAuyAFb8fo8>  
 Meeting Link : <https://msteams.link/XXC3>

Organizers:  
 Mr. Harish L  
 COE-DDIoT Head, ISE  
 Contact:9449420341  
 E-mail: harish.l@cmrit.ac.in

Dr. M. Farida Begam  
 HOD-ISE  
 CMRIT

Dr. Sanjay Jain  
 Principal  
 CMRIT

4. COE Data Driven IoT has successfully conducted Expert Talk on “**Smart Networks and IOT**” by Mr. Harish L, Asst. Professor, Dept. of ISE, CMRIT, Bengaluru on Aug. 23<sup>rd</sup> 2023.




**CMR INSTITUTE OF TECHNOLOGY**  
**BENGALURU**


Department of Information Science and Engineering  
**COE- Intelligent cloud and IOT technologies**  
 is organizing an Expert Talk on  
**Smart Networks and IOT**  
 by



Assistant Professor,  
 Information Science & Engineering,  
 CMR Institute of Technology, Bengaluru

**Date : 23<sup>rd</sup> August 2023**  
**Time : 2pm to 4pm**  
 Meeting Link : <https://shorturl.at/jtXFH>  
 Registration Link : <https://forms.gle/BJcW5RmFcK4BJZPH7>

**Organizers:**

<b>Mr. Harish L</b> COE- IC/IOT, Dept. of ISE Contact:9449420341 E-mail: harish.l@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-Dept. of ISE CMRIT, Bangalore	<b>Dr. Sanjay Jain</b> Principal CMRIT, Bangalore
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5. COE Data Driven IoT has successfully conducted Expert Talk on “**IOT Security**” by Dr. Mahantesh R Choudhari, Director Marc Edu Tech Solutions, Bangalore on August 26<sup>th</sup> 2023.




**CMR INSTITUTE OF TECHNOLOGY**  
**BENGALURU**


Department of Information Science and Engineering  
**COE- Intelligent cloud and IOT technologies**  
 is organizing an Expert Talk on  
**IOT SECURITY**  
 by



**Dr. Mahantesh R. Choudhari**  
 Founder & Entrepreneur  
 MARC Edu-Tech Solutions.  
 Aditya layout Main Road, RR Nagar Bangalore-98

**Date : 26<sup>th</sup> August 2023**  
**Time : 10.20am to 12.20pm**  
 Meeting Link : <https://shorturl.at/bmQR4>  
 Registration Link : <https://forms.gle/DkucUmRdnABweaDS6>

**Organizers:**

<b>Mr. Harish L</b> COE- IC/IOT, Dept. of ISE Contact:9449420341 E-mail: harish.l@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-Dept. of ISE CMRIT, Bangalore	<b>Dr. Sanjay Jain</b> Principal CMRIT, Bangalore
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6. COE Data Driven IoT has successfully conducted Expert Talk on “**Smart Manufacturing and IOT**” by Mr. Harish L, Asst. Professor, Dept. of ISE, CMRIT, Bengaluru on August. 31<sup>st</sup> 2023.




**CMR INSTITUTE OF TECHNOLOGY  
BENGALURU**

**Department of Information Science and Engineering  
COE- Intelligent Cloud and IOT**  
is organizing a Expert Talk on

*SMART MANUFACTURING AND IOT*

by



**Mr. Harish L**  
Asst. Prof  
Dept. of ISE  
CMRIT, Bangalore

Date : 31<sup>st</sup> August 2025  
Time : 2pm to 5pm  
Venue: B5301

Registration Link : <https://forms.gle/gUaR7M3N2VYhrv67>

*Organized by:*

<b>Mr. Harish L</b> COE-DDIOT Head, ISE Contact: 9449420241 E-mail: harish@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-ISE CMRIT	<b>Dr. Sanjay Jain</b> Principal CMRIT
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# ***FACULTY TECH TALK***

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

FACULTY	TOPIC
Dr. Sudhakar K.N	HTMX
Dr R.Anand	Testcase generation using TestNG
Mrs. Shilpa Pandey	Shapash
Dr.Srividya.R	IOT Data Security
Ms Sugunadevi C	Cafe
Dr Swathi Y	CAFFE & YOLO
Dr M. Farida Begam	Text Analytics using NLTK & ML
Vyshali Rao	Interfacing IOT devices with android application
Dr Mannar Mannan J	Q Designer



## ***FACULTY PUBLICATIONS***

1. **Dr. M. Farida Begam** has published a paper titled “Automated Medical Recommendation System using Machine Learning Techniques & Natural Language Processing” in 3rd International Conference on Communication, Computing and Industry 4.0 (C2I4).
2. **Dr. Senthil Velan S** has published a paper titled “Application of Waning Immunity Index Model using Spiking Neural Networks for COVID-19 Pandemic in the geographic context of India” in 2<sup>nd</sup> International Conference on Advances in computing, communication and Applied Informatics (ACCAI).
3. **Dr. Senthil Velan S** has published a paper titled “Application of SVM Classifier to model and analyse the Popularity of Games using Players feedback” in 2<sup>nd</sup> International Conference on Advances in computing, communication and Applied Informatics (ACCAI).
4. **Dr. Senthil Velan S** has published a paper titled “Multiple Lung Disease Prediction Using Deep Learning” in 14th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2023).
5. **Dr. Senthil Velan S** has published a paper titled “Emotion Detection and Suicidal Intention Prediction of Differently Depressed Individuals Using Machine Learning Techniques” in 15th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2023).
6. **Dr. Senthil Velan S** has published a paper titled “A Novel Model Using Multiple Bagging Ensemble Method For Measuring, Inferring and Predicting the Quality of Continuous Assessment Question Papers” in 16th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2023)

7. **Dr. Swathi Y** has published a paper titled “Social Media Censoring Using Visual Sentimental Analyzer” in 4th International Conference on Engineering and Advancement in Technology (ICEAT 2023).
8. **Dr. Swathi Y** has published a paper titled “A Comparative Analysis of Explainable AI Techniques for Enhanced Model Interpretability” in 3rd International Conference on Pervasive Computing and Social Networking (ISPCSN 2023)
9. **Dr. Seetha S** has published a paper titled “Sign Language to sentence interpreter using CNN” in 5th international conference on CIPR on May 28th West Bengal, 2023
10. **Mrs. Vyshali Rao.** has published a paper titled “Assistive Application for the Visually Impaired using IOT and Machine Learning” in ICRTEC-23: International conference on recent trends in electronics and communications, Aug 2022
11. **Mrs. Devisivasankari P** has published a paper titled “The Enhanced Optimization of Information Mining Systems For Big Data Protection Using Blockchain” in Eur. Chem. Bull. 2023, 12 (S3), 1835 – 1847
12. **Mrs. Devisivasankari P** has published a paper titled “Various Approaches in Deep Learning for Medical Modality Image Segmentation” in International Conference on Advances in Electronics, Communication, Computing and Intelligent Information Systems (ICAECIS).
13. **Mrs. Shilpa Mangesh Pande** has published a paper titled “Smart Attendance and Attention Monitoring System” in 14th International Conference on Computing communication and Networking Technologies on July 6th - 8th, 2023. IIT - Delhi, Delhi India.

14. [Mrs. Shilpa Mangesh Pande](#) has published a paper titled “Machine learning models for student performance prediction” in International Conference on Innovative Data communication Technologies and Applications -2023 March 14 to 16 2023, Dehradun India
15. [Mr. Harish L](#) has published a paper titled “Comparison of Tumor Segmentation Techniques from Medical Images” in Second International Conference on Augmented Intelligence and Sustainable Systems
16. [Mrs. Nidhi Joshi P](#) has published a paper titled “Data Augmentation based Malware Classification,” in International Conference on Recent Advances in Engineering and Computer Applications-2023, Hybrid Conference (ICRAECA) (15 July 2023)
17. [Mrs. Nidhi Joshi P](#) has published a paper titled “Unleashing the Power of Machine Learning: Enhancing Traffic Prediction in Smart Transportation Systems,” in International Organization of Scientific & Research (IOSR)
18. [Mrs. Aparna N](#) has published a paper titled “Decision Tree-Based Explainable AI for Diagnosis of Chronic Kidney Disease” in 5th International Conference on Inventive Research in Computing Applications ICIRCA 2023
19. [Mrs. Aparna N](#) has published a paper titled “Exploring Blockchain Solutions for Combating Fake Certificates” in Second International Conference on Augmented Intelligence and Sustainable Systems-ICAISS-2023.
20. [Mrs. Aparna N](#) has published a paper titled “A Secure NFT-Based System for Eliminating Counterfeit Certificates” in 5th IEEE PhD Colloquium on Emerging Domain Innovation and Technology for Society.
21. [Mrs. Sugunadevi C](#) has published a paper titled “Internet of Things(IoT) for Sustainable Smart Agriculture” in International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIE-2023)

22. [Mrs. Sugunadevi C](#) has published a paper titled “Block Chain Based Secured Wireless Patient Health Monitoring System” in Second International Conference on Augmented Intelligence and Sustainable Systems.
23. [Mr. Arvind R](#) has published a paper titled “A Prediction of Rice Leaf Disease Using KSC” in Second International Conference on Augmented Intelligence and Sustainable Systems.
24. [Mrs. Rakeeba Taseen](#) has published a paper titled “A Prediction of Rice Leaf Disease Using KSC” in Energy Efficient Wireless Detection System Using Artificial Neural Network

# **PATENTS**

Sl. No.	Name of the Faculty	Patent Title	Application No
1.	Dr M Farida Begam	E-Mithru – Adaptive Knowledge Management (Ontology) based framework for automated e-Mentoring and e-Counselling using ontology based Machine Learning and Recommendation Techniques	202341028362
2.	Dr Senthil Velan S	Adjustable and Customizable Step Ladder for Humans with different Heights and Capabilities	202341042258
3.	Dr Senthil Velan S	A Visual Mouse: Eye Movement and Voice Assistance based Mouse Control for A Personal Computer	202341042856
4.	Dr Senthil Velan S	An IoT Enabled and Voice Activated Multicolor In-Writing based FlowGel Pen	202341043842
5.	Dr Senthil Velan S	Blind Assist: Walking Assist Utility for the Blind	202341044241
6.	Dr Srividya R	An Innovative Smart Device for Visually Impaired Assistance using Renewable Resources	202341058022
7.	Dr Sudhakar K N	A Portable Assistive Vehicle Parking Device	202341028617
8.	Dr Anand R	IoT-enabled Smart Cap for Real-time Water Safety and Activity Monitoring in Pools	202341042193
9.	Dr Ramya C	Posture Corrector using IoT Sensors	202341026638
10.	Dr.S.Seetha	Fishermen Helper: Automatic alert generator using Sonar Images	202341039758
11.	Dr Mannar Mannan J	IoT Based Smart Walking Stick	202341039467
12.	Ms. Nidhi Joshi Parsai	Seamless Continuity: Reissuing the Namma Metro Card for Uninterrupted Commuting	202341043378
13.	Ms. Rakeeba Taseen	IoT based Smart Disposal Notifier using GSM	202341042977
14.	Ms. Rashmi D	Washing Machine Load Indicator	202341044688
15.	Ms. Rashmi D	A tool for formal verification of Timer based transition system using Timed Automata - Mealy Machine with one timer	202341044648
16.	Mr. Abhishek Midya	A Tool for Formal Verification of Timer Based Transition System using Timed Automata – Mealy Machine	202341044648
17.	Mrs. Sugunadevi C	A Smart IoT-based Insect detection device with Repellent for Cars	202341043918

# I & E CELL ACTIVITIES



Institution's Innovation Council Organized Three-day workshop on "Startup training" for 6th Sem ISE Students from 31<sup>st</sup> May 2023 to 2<sup>nd</sup> June 2023. The resource person is Naved A., Project Management, Business Consultant, Startup Investor, Karnataka



**I&E Cell of ISE Department  
with IIC CMRIT**  
organizing a workshop on  
**Startup Training for 6<sup>th</sup> Sem ISE students**  
by



**Naved A.**  
Entrepreneur, Lean Startup Enthusiast, Karnataka

**Day 1(31-05-23):-** Two Dollar startup Activity (10 am to 1 pm)  
**Day 2(01-06-23):-** Innovative Project Presentation ( 1 to 4 pm)  
**Day 3(02-06-23):-** Startup Test ( 1 to 4 pm)

Date: 31<sup>st</sup> May 23 to 2<sup>nd</sup> June 23  
Venue: II Floor MECH AV Hall



Registration Link : <https://forms.gle/tSkd3Q58YfbutJVE9>

**Organizers:**


<b>Dr. S. Seetha</b> IRE Head, ISE Contact:7708406505 E-mail: seetha.s@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-ISE CMRIT	<b>Dr. Sharmila K.P</b> IIC-President CMRIT	<b>Dr. Sanjay Jain</b> Principal CMRIT
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Institution's Innovation Council Organized World Environmental Day on 5th June 2023. To increase public awareness of environmental problems such as wildlife crime, marine pollution, sustainable consumption or wildlife crime, air pollution, plastic pollution, illegal wildlife trade food security, sea-level increase, global warming etc. among the student community of CMRIT.


**I&E Cell of ISE Department with IIC CMRIT**


organizing a celebration for  
**"WORLD ENVIRONMENT DAY"**  
**BEST OUT OF WASTE-COMPETITION**  
**THEME: MOTHER EARTH**



**WIN EXCITING PRICES!!!**  
**Scrap Material will be provided!**

**Student Coordinator:**  
**Vignesh M, IIIrd year, ISE**

**Date:** 5<sup>th</sup> June 23  
**Venue:** Old CDX  
**Time:** 8AM-3PM

**Organizers:**

**Registration Link:** [forms.gle/gvDtk20BCrjxqUve6i](https://forms.gle/gvDtk20BCrjxqUve6i)

<b>Dr. S. Seetha</b> ISE Head, ISE E-mail: seetha.s@cmrit.ac.in	<b>Dr. M. Farida Begam</b> HOD-ISE CMRIT	<b>Dr. Sharmila K.P</b> IIC-President CMRIT	<b>Dr. Sanjay Jain</b> Principal CMRIT
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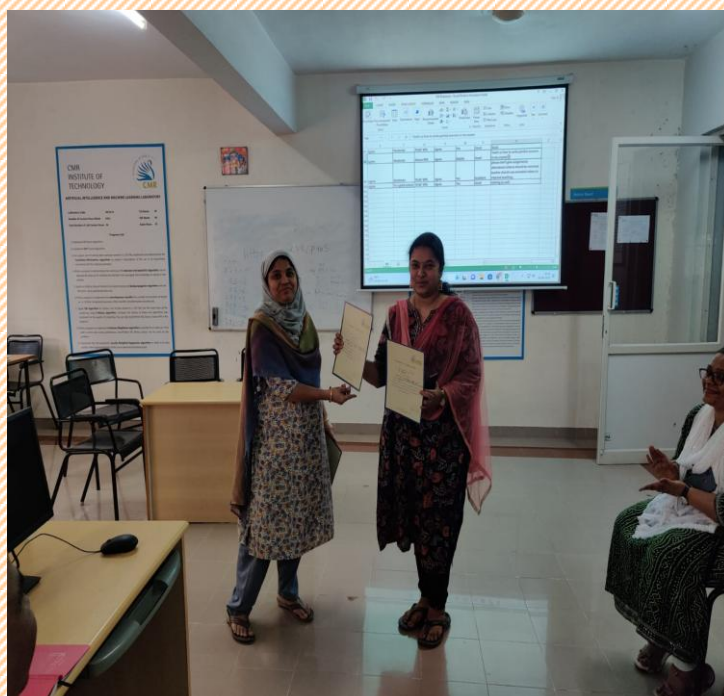


## ***INDUSTRY CONNECT ACTIVITIES ATTENDED BY FACULTY***

SL NO.	FACULTY	EVENT/TOPIC	VENUE
1	Ms Aparna N FDP	Block Chain	20.03.2023 to 24.03.2023

## ***FACULTY ACHIEVEMENTS***

**Dr. Swathi Y** received a Consultancy project with Sai Krishna Constructions worth 81,000/- during May 2023



**Dr. Srividya R** served as a resource for the topic Cryptography: Principles & Practices on July 5th 2023 under Industry Inspiration Program

Live

INDUSTRY INSPIRATION PROGRAM - 2023

**Dr. Srividya R**  
Tech enthusiast

**CRYPTOGRAPHY : Principles & Practices**

For more info:  
[www.seminarroom.in](http://www.seminarroom.in)

10:00 AM - 11:00 AM  
Wednesday, July 05

**Dr. Srividya R** obtained a consultant position at Raga Power Solar System, Mysuru, in the month of June 2023

**Dr Seetha S** successfully cleared the TalentNext certification assessment and is recognized as a mentor for project-based learning in Java Full Stack

talentnext

wipro

Digital Skills Readiness Program  
Wipro Certified Faculty

**CERTIFICATE**

AWARDED TO

**Dr.Seetha. S**

For successfully clearing the TalentNext certification assessment and is recognized as a mentor for project-based learning (PBL) in Java Full Stack

Prashant Nambiar  
Vice President and Global Head  
Talent Transformation  
Wipro Limited

Vanraj Thambi  
Head - TalentNext  
Talent Skilling  
Wipro Limited

14-Aug-2023

**Mrs. Devi Sivasankari** has published Book Chapter in Taylor & Francis group E book series during march 2023



Dr. Anand R received an **Elite + Gold certificate** in the NPTEL exam for the MOOC Course "The Joy of Computing Using Python" in the April-May NPTEL exam



## Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR ANAND R**  
 for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **90** %

Online Assignments	24.63/25	Proctored Exam	65.82/75
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Total number of candidates certified in this course: **10672**

  
**Prof. Devendra Jalihal**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2023**  
(12 week course)

  
**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



swayam

Roll No: NPTEL23CS20523233875
To validate the certificate 
No. of credits recommended: 3 or 4

Mrs. Divya Singh received an **Elite + Silver certificate** in the NPTEL exam for the MOOC Course "The Joy of Computing Using Python" in the April-May NPTEL exam



**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DIVYA SINGH**  
for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **85** %

Online Assignments	24.94/25	Proctored Exam	59.69/75
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Total number of candidates certified in this course: **10672**

Prof. Devendra Jalihal  
Chairperson,  
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023  
(12 week course)

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS20S23232917      To validate the certificate      No. of credits recommended: 3 or 4

Dr. Swathi Y received an **Elite + Silver** certificate in the NPTEL exam for the MOOC Course "Introduction to Machine Learning" in the Jan -April NPTEL exam



**Elite**

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR SWATHI Y**  
for successfully completing the course

**Introduction to Machine Learning**

with a consolidated score of **84** %

Online Assignments	24.38/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **1816**

TOP  
TOPPER  
2%

Prof. Devendra Jalihal  
Chairperson,  
Centre for Outreach and Digital Education, IITM

Jan-Apr 2023  
(12 week course)

Prof. Andrew Thangaraj  
NPTEL, Coordinator  
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL23CS18S53231693      To validate the certificate      No. of credits recommended: 3 or 4

Mrs. Shilpa Mangesh Pande received an **Elite + Gold** certificate in the NPTEL exam for the MOOC Course "Data Mining" in the April-May NPTEL exam



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SHILPA MANGESH PANDE**  
for successfully completing the course



## Data Mining

with a consolidated score of **90** %

Online Assignments	23.75/25	Proctored Exam	66.25/75
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Total number of candidates certified in this course: **4368**

Jan-Mar 2023  
(8 week course)

**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS43S34220568

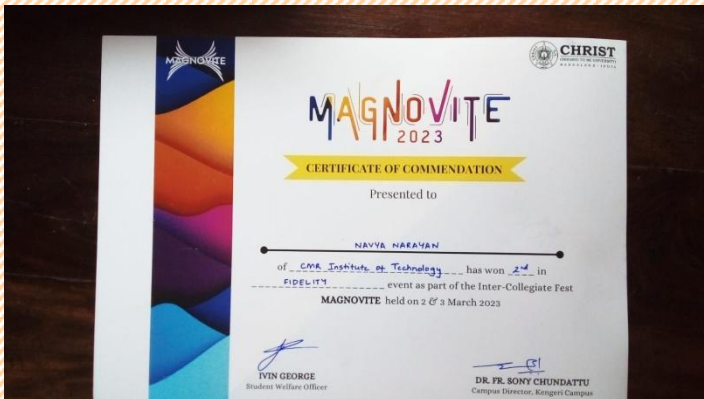
To validate the certificate



No. of credits recommended: 2 or 3

# STUDENT ACHIEVEMENTS

SL NO.	STUDENT	EVENT
1	Pannaga P S Kiran Basavaraj Kapsi Hari Krishna Prasad	Manthan-Fkcci Business Plan Competition
2	Lenordo	First Place in VTU Bangalore Central Division Volleyball (M) Tournament
3	Swathi P Reddy	Runner Up in Bangalore Times Fresh Face Season 14
4	Navya Narayan	Second place in Magnovite, an Inter collegiate Technical Fest and cash prize of 5000/-



# PLACEMENTS

COMPANY IN WHICH PLACED	STUDENT COUNT	PACKAGE
Linkwiz	1	20 LPA
AMADEUS	2	11.7 LPA
Epicor	1	9.25LPA
Ellucian	3	8.68 LPA
Surewaves	1	8.5LPA
Synthesis Systems	5	8.35LPA
Clarivate	8	8.24 LPA
Epsilon and Capgemini	2	7.79 LPA
Ellucian	1	7.6 LPA
Capgemini Senior Analyst	1	7.6LPA
EY	1	7.6LPA
Deloitte	2	7.6 LPA
Koch	2	7.6 LPA
Hitachi Vantara	1	7.5 LPA
Capgemini Senior Analyst	2	7.5 LPA
Epsilon	1	7.5 LPA
Clarivate	3	7.5 LPA
Oracle	1	7.5LPA
Capgemini	1	7.5LPA
Cognizant GenC	2	7.5LPA
Accenture 2	1	7.5LPA
Capgemini Analyst-1	1	7.5LPA

# *Student Article*

## How to control time?

How to control time? History of time! Each one of us is born with a gift. A gift that is only ours to savor. Wonder

what it is...? It's Time.

Time is a noun that perfectly describes something that's bound to never stop. We wear watches on our wrists

for the very reason that we do not lose track of time. It's the most crucial factor in our lives and we understand

how important it is for us to utilize time to its full potential. But are we doing that? Are we making the most

of our time? No, the answer to this question is not surprising.

According to statistics, almost 88% of the workforce doesn't use time efficiently. There are many reasons why

we don't make the most of our time. Call it procrastination or poor time management, laziness, stress, anxiety,

etc. Due to these hindrances, we lack behind.

But humans have always had the knack for winning. The knack for improving and finding solutions to overcome

any problem or any type of existential crisis.

Solutions!

"Every problem has a solution." Everybody has come across this quote but this statement isn't complete. "Every problem has a solution to it if only one is desperate to solve it."

Now, the question boils down to this... How can we deal with the problems we have with time? Let's look at a few options...

Firstly, in order to find solutions to deal with the whole-time management issue is to start planning. The need to start listing our priorities and things to be done can be very helpful. Putting pen to paper is a way for us to start thinking and begin working. Mapping and carefully planning the goals is what's needed.

Secondly, it is vital to be energetic. We need to maintain and balance our energy levels so that we get a move along and stop being lazy. Being in the right headspace and the right mental and physical health is pivotal to fighting our inner demons, who just don't want to work, and in addition to being energetic, it is important to be positive.

And lastly, it's important to forget the past and start from scratch. It's time to let go of the past and move forward. Write a new, fresh chapter in our sublime life story. It is all that we need.

In the end... Whatever we do with the time we have got is in our hands. Nobody has any say in it. All other people can do is yell at us saying, "Use the time you have, before it's too late." But towards the end of the day, it really depends on how we make or break ourselves, in which time plays an important role.

All of us have all the time in the world. It all comes down to how well we use this incredible gift bestowed upon us.

**TIME NEVER STOPS, AND SO SHOULDN'T YOU! –**

Harshiith Mehta  
1CR20IS070

## **PROMPT ENGINEERING**

A powerful tool was released by OPENAI in fall 2022 that took the world by surprise. ChatGPT stands for chat generative pre-trained transformer which reached 1 million users in just five days. A major reason behind the tool's popularity is that it can answer any question asked by the user. In mere seconds, it provides solutions to problems regardless of complexity or specificity. The technique of using large language models (LLMs) with detailed prompts and programmed outputs gave an edge to the scientists working in the OPENAI labs. Fame caught up and soon the tool was used by millions of people to make their daily lives easier.

ChatGPT was able to provide solutions using texts and images, making it a tool worthy of appreciative work. The Artificial intelligence tools and natural language processors make the chatbot an exotic futuristic chatbot. Furthermore, prompt engineering facilitates user-machine interaction. By combining logic, coding, and design, it understands user requirements and provides a detailed response. Prompt engineering is essential to create better AI-powered applications. Fine-tuning the LLMs using prompt engineering will make the interaction smoother laying out specific results catering to the user's questions.

The use of NLP(natural language processing) is another aspect that allows users to communicate with the chatbot by speech is another way to generate summaries and outputs. Voice-based communication yields a seamless user experience. Apart from this, prompt engineering helps to mitigate various injection attacks and various malicious logic-breaking algorithms. The sensitive pieces of information leaks are fixed in the testing of software while building powerful chatbots and AI tools. Specific requirements, for example, a law firm would want to make contracts or an entrepreneur would need to make proposals that need to be produced using existing clauses of the contract or previous excerpts of the proposal by accessing the libraries rather than making them from scratch. This type of modeling and tweaking helps in customizing the outputs for the user and building a relationship with them.

The ChatGPT version 3.5 is integrated with numerous prompts and case studies for it to give desired outcomes to the problems. The fine-tuning of the prompts during the testing phase of the tool helped it to surpass and become the go-to solution to every problem of the end-user. From writing research papers to solving the homework of nine-year-olds, it excelled in every aspect. Ranging from data processing to modeling the language, ChatGPT was able to navigate and learn the specified problem of the user to then provide a solution or the tailored output for the user. The higher-end version of ChatGPT is capable of handling enterprise tasks like creating a website or tailor-made contracts.

There are various ways to improve these tools over the course of time. The processing of language and understanding of human behavior patterns will increase the accuracy of understanding as well as provide the right kind of solutions to the issues. As the generative AI tools improve, the very concept of prompt engineering will play a crucial role in the development of 3D images, scripts, and exclusive content for the person sitting on the far end of the system. In the future, prompt engineers will be required by MNCs which would boost the tool's accuracy and precision.

The consistent processing and analysis of the data will make the software ready to adapt to normalized human interactions and the fine-tuning and saving of the software from malicious attacks will be the job of a prompt engineer. The engineer will play a pivotal role in increasing the precision and the time taken by the software to understand, analyze, and provide solutions based on the needs of the user.

The future delves into several possibilities for making systems that communicate with people on a daily basis, giving them suggestions and solutions to contrasting predicaments, and connecting with them at a deeper level

Harshiith Mehta  
1CR20IS070