

Title of the session : AI & Innovation Sprints: Rapid Prototyping for Digital Transformation
Date : Organized on 20th January 2026
Duration : 10AM-4PM
Expenditure : NIL
Activity Category : IIC Activity (8)
Theme : Project Expo

Jury Details:

Name : Dr. Bandi Doss
Designation : Professor
Organization : CMR Technical Campus
Brief about Expert/Speaker: Expert in the field of Antennas and Communications

Name : Dr Ch. Sudhamani
Designation : Associate Professor
Organization : CMR Technical Campus
Brief about Expert/Speaker: Expert in the field of Satellite Communications

Outcome of the Activity

- Participants developed hands-on exposure to Artificial Intelligence and innovation-led problem solving.
- Students demonstrated the ability to design and prototype AI-based solutions for digital transformation challenges.
- The activity strengthened analytical thinking, creativity, and rapid decision-making skills.
- Noticeable improvement was observed in students' technical communication, project articulation, and collaborative abilities.
- The event nurtured professional responsibility, ethical innovation practices, and an industry-oriented mindset.

Highlights of the Project Expo

- **Platform for Innovation:** The expo served as a showcase for student-driven AI projects and rapid prototypes addressing contemporary digital needs.
- **Experiential Learning:** Emphasis was placed on learning-by-doing through sprint-based development and prototype demonstrations.
- **Technology Integration:** Projects reflected effective use of AI, machine learning, data-driven systems, and automation techniques.
- **Future Readiness:** Encouraged entrepreneurial thinking and preparedness for evolving digital and technological ecosystems.
- **Peer Learning:** Facilitated interaction, idea exchange, and interdisciplinary collaboration among participants.

Event Description:

The **AI & Innovation Sprints: Rapid Prototyping for Digital Transformation – Project Expo** was organized to cultivate a culture of innovation and experiential learning among students. The event challenged participants to conceptualize, design, and present AI-based solutions that could contribute to digital advancement across diverse domains.

Students showcased working models, software prototypes, and conceptual frameworks developed using AI technologies. Each presentation detailed the motivation behind the project, technical architecture, development process, and anticipated outcomes. The expo created an interactive environment where ideas were exchanged, feedback was shared, and learning extended beyond classrooms.

Evaluation of the projects was carried out by a panel of experts who assessed originality, technical feasibility, relevance to digital transformation, and clarity of presentation. Outstanding projects were recognized with awards, while certificates were issued to all participants in acknowledgment of their involvement.

The event successfully highlighted students' capacity to apply emerging technologies responsibly and innovatively, reinforcing the importance of AI-driven solutions in shaping future digital ecosystems.

Core Focus Areas of the Expo

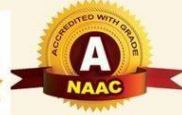
- **Applied Innovation:** Emphasis on transforming ideas into functional AI-enabled prototypes within a limited timeframe.
- **Technology Utilization:** Encouraged effective application of Artificial Intelligence, data analytics, automation, and intelligent systems.
- **Problem-Centric Approach:** Projects were aligned with real-world issues requiring digital and technological interventions.
- **Skill Enrichment:** Strengthened design thinking, rapid prototyping, and project demonstration skills.
- **Professional Development:** Fostered ethical responsibility, teamwork, and adaptability among participants.

Participant Details:

Total No. of Students Participated: 50

Total No. of Faculty :03

Event Brochure:



CMR TECHNICAL CAMPUS

UGC AUTONOMOUS

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Department of Electronics & Communication Engineering

in association with Institution's Innovation Council (IIC 8.0) Organizing a

Project Expo on

“AI & Innovation Sprints :Rapid Prototyping for Digital Transformation”



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All software and
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 **ECE Department, B-Block, 3rd Floor**

 **20-01-2026**

 **10:00 AM to 4:00 PM**

Mrs. K. Prasanna Kumari
Coordinator, IIC
CMR TECHNICAL CAMPUS,
Hyderabad

Dr. S. Mallesh
HOD, ECE
CMR TECHNICAL CAMPUS,
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Dr. S. Suma
Convenor, IIC
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Dr. S Rao Chintalapudi
Vice President, IIC
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Dr.K.Srujan Raju
President, IIC
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Dr.A.Raji Reddy
Director
CMR TECHNICAL CAMPUS
Hyderabad



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 Cmr Tech Campus Back Side, Kandlakoya, Telangana
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 Tuesday, 20/01/2026 11:16 AM GMT +05:30



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 Hfxp+4jh, Kandlakoya, Kandlakoya Village,
 Medchal Rd, Near By Nehru Outer Ring Road, Exit
 6, Hyderabad, Telangana 501401, India
 Lat 17.597294° Long 78.486385°
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 Telangana 501401, India
 Lat 17.597113° Long 78.486622°
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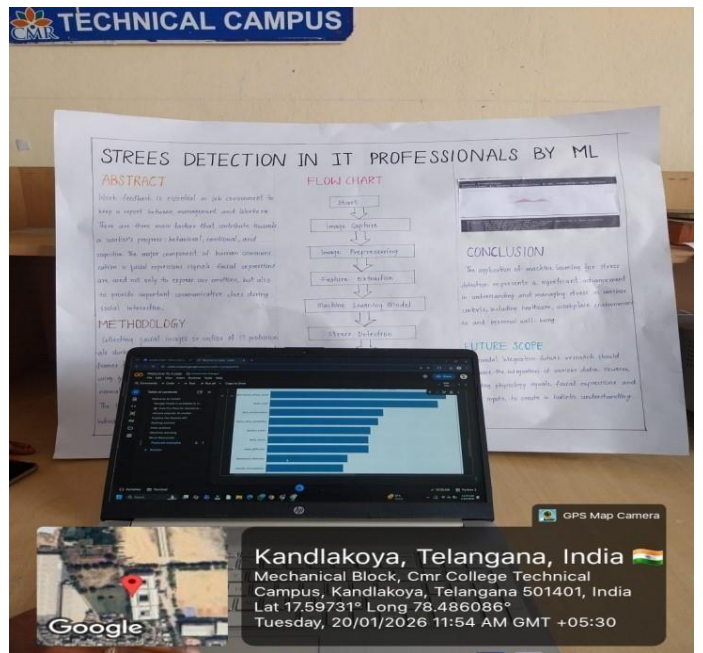
Hyderabad, Telangana, India 🇮🇳
 1/a, Gundlapochampalli, Hyderabad, Telangana
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 Lat 17.597112° Long 78.486192°
 Tuesday, 20/01/2026 11:36 AM GMT +05:30



Hyderabad, Telangana, India 🇮🇳
 1-56/1, Srisai Kovela, Girls Hostel, Kandlakoya,
 Hyderabad, Telangana 501401, India
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 Lat 17.596936° Long 78.486257°
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Kandlakoya, Telangana, India 🇮🇳
 Mechanical Block, Cmr College Technical
 Campus, Kandlakoya, Telangana 501401, India
 Lat 17.59731° Long 78.486088°
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Attendance Details:

TIMESTAMP	ROLL NO	STUDENT NAME	Year	Batch Number	Mail ID	Title of the Prototype
1-19-2026 10:52:52	227r1a0406	Vinay	IV	5	2271a0406@cmrtc.ac.in	Heart disease prediction using machine learning
1-19-2026 10:57:11	227R1A0422	Durgam Vyshnavi	Final year	A2	227r1a0422@cmrtc.ac.in	Meta heuristic approaches for optimized drone communication network
1-19-2026 10:54:03	227R1A0426	Navya sri Jonnala	4th	A-8	227r1a0426@cmrtc.ac.in	Intelligent 3D scanning with AI- based optimization technique
1-20-2026 9:10:57	227R1A0444	Mohan	4th year	12	Mohannuvvula07@gmail.com	Design of helical antenna using hfss
1-19-2026 10:53:19	227r1a0452	S.supriya	4th	14	227r1a0452@cmrtc.ac.in	Design and implementation of primitive battery management system
1-19-2026 10:53:23	227r1a0457	Sirapurapu varsha	4	5	227r1a0457@cmrtc.ac.in	Heart disease prediction using machine learning
1-19-2026 10:57:09	227r1a0458	Anandreddy	4	15	anandreddy27297@email.com	STRESS DETECTION IN IT PROFESSIONALS BY MACHINE LEARNING
1-19-2026 10:54:16	227r1a0464	A.Sneha	4th year	15	227r1a0464@cmrtc.ac.in	Stress detection in IT professionals by image processing and machine learning
1-19-2026 10:52:23	227R1A0484	Jagadabi Varshitha	IV	6	227r1a0484@cmrtc.ac.in	Smart gardening system using ESP32
1-19-2026 10:53:46	227R1A04A4	Pathlavath Pallavi	4th year	13	227r1a04a4@cmrtc.ac.in	Leveraging Deep CNN Blood group detection using fingerprint
1-19-2026 10:54:47	237r5a0401	S.vikas	4th	2	237r5a0401@cmrtc.ac.in	Meta heuristic approaches for optimized drone communication network
1-19-2026 10:53:15	237R5A0402	Malyala Sai Charan	4	8	237r5a0402@cmrtc.ac.in	INTELLIGENT 3D SCANNING WITH AI-BASED OPTIMIZATION TECHNIQUE
1-19-2026 10:54:41	237r5a0403	S. varshini	4th	A2	237r5a0403@cmrtc.ac.in	Meta heuristic approaches for optimized drone communication network
1-19-2026 10:54:56	237r5a0405	B.swami	4	4	237r5a0405@cmrtc.ac.in	Enhancing women's safety with IoT
1-19-2026 10:57:59	237R5A0406	N Siddarth Reddy	4	10	237r5a0406@cmrtc.ac.in	Survivor Tracker: An IoT based victim detection and rescue system using ESP32
1-19-2026 10:54:46	237R5A0407	Gangarajula Raja Sri	4th	10	237r5a0407@cmrtc.ac.in	Survivor Tracker-IOT based Victim detection and Rescue System
1-19-2026 10:51:29	237r5a0410	T.Soumya sri	4	17	sreejatalakoti@gmail.com	Earthquake safe detection
1-19-2026 10:57:13	237r5a0412	P.Thanuja	4th	16	thanujalaxman29@gmail.com	SMART ACCIDENT PREVENTION SYSTEM FOR U-TYPE ROADS USING ARDUINO UNO
1-19-2026 10:58:08	237r5a0413	P.ANITHA	4th	17	237r5a0413@cmrtc.ac.in	SMART HUMAN DETECTION SYSTEM FOR AN EARTHQUAKE SURVIVORS
1-19-2026 10:57:57	237R5A0414	Ch Akshitha	4	18	chakatiakshitha05@gmail.com	WORKING OF MULTIPLE TARGETS AR WITH IOT

21	1-18-2026 10:52:52	227R1A0466	A. Sai ram	IV	3	227R1A0466@cmrtc.ac.in	Water Quality Analysis and Prediction using Machine Learning
22	1-19-2026 10:57:13	227R1A0468	A.Sruthi	Final year	1	227R1A0468@cmrtc.ac.in	Underwater Audio and Data Communication using LI-FI
23	1-19-2026 10:54:03	227R1A04C0	T.Prem kumar	4th	7	227R1A04C0@cmrtc.ac.in	Parkinson's Disease Detection using Machine Learning
24	1-18-2026 9:10:57	227R1A0467	A.spoorthi	4th year	9	227R1A0467@cmrtc.ac.in	ECO-Friendly River Revitalazation
25	1-19-2026 10:53:19	227R1A0474	B.Srilatha	4th	11	227R1A0474@cmrtc.ac.in	Oral Cancer Detection using Deep Convolutional Neural Network
26	1-18-2026 10:53:23	227R1A04B2	P.Sai kumar	4	20	227R1A04B2@cmrtc.ac.in	Smart Gardening System using ESP
27	1-18-2026 10:57:09	227R1A0492	M.Nithin	4	17	227R1A0492@cmrtc.ac.in	Autonomous Robot for Detecting Emergency Situations in Public Places using Arduino Uno
28	1-18-2026 10:54:16	227R1A0475	B.Pranith	4th year	21	227R1A0475@cmrtc.ac.in	Vehicle to Vehicle Communication using LI-FI Technology
29	1-19-2026 10:52:23	227R1A0477	CH.Abhilash	IV	25	227R1A0477@cmrtc.ac.in	AI Driven Blood Cancer Cells Detection using Deep Learning
30	1-18-2026 10:53:46	227R1A04A7	P.Sriram	4th year	23	227R1A04A7@cmrtc.ac.in	A Low Cost Airtag System using RFID System-Loss Prevention System
31	1-18-2026 10:54:47	227R1A0498	N.Rahul	4th	27	227R1A0498@cmrtc.ac.in	FINFET-Based Memristive Neural Network for Efficient Analog-to-Digital Processing
32	1-18-2026 10:53:15	227R1A0476	B.Sai srinivas	4	22	227R1A0476@cmrtc.ac.in	An Intelligent Serveillance System for City Safety by Using ML&Video Processing
33	1-18-2026 10:54:41	227R1A0480	G.Srujan kumar	4th	13	227R1A0480@cmrtc.ac.in	Laveraging Deep CNN for Blood Group Detection using Fingerprint
34	1-18-2026 10:54:56	227R1A04C2	U.Tejaswini	4	4	227R1A04C2@cmrtc.ac.in	Printed Circuit Board Defect Detection Approach using Machine Learning
35	1-18-2026 10:54:56	227R1A04A6	P.Tejaswini	4	26	227R1A04A6@cmrtc.ac.in	ESP32 Cam based Motion and Waste Detection System for Urban Areas
36	1-18-2026 10:54:56	227R1A0481	G.Sushmita	4th	12	227R1A0481@cmrtc.ac.in	Smart Sensor Based Accident Prevention System for U-Type Roads using Arduino Uno
37	1-18-2026 10:54:56	227R1A0469	A.Dhanush kumar	4	11	227R1A0469@cmrtc.ac.in	Smart Human Detection System for Earthquake Survivors
38	1-18-2026 10:54:56	227R1A0485	K.Dhanujay	4th	14	227R1A0485@cmrtc.ac.in	Design and Analysis of AR with IOT for Multiple Targets
39	1-18-2026 10:54:56	227R1A04B9	T.Kiran chaitanya	4th	19	227R1A04B9@cmrtc.ac.in	Design and simulation of PIFA band Using HFSS
40	1-18-2026 10:54:56	227R1A0484	J.Varshitha	4	24	227R1A0484@cmrtc.ac.in	Block chain-Based Land Registry System
41	1-19-2026 10:54:03	227R1A0495	M.Madhukanth	4th	28	227R1A0495@cmrtc.ac.in	Prediction of Lung Cancer Using CNN and SVM
42	1-18-2026 9:10:57	227R1A0478	CH.Umesh	4	29	227R1A0478@cmrtc.ac.in	Medical Insurance Price Prediction using Machine Learning
43	1-19-2026 10:57:13	227R1A04C3	U.Aravind	4th	14	227R1A04C3@cmrtc.ac.in	Design and Analysis of Helical Antenna Using MATLAB
44	1-18-2026 10:54:56	227R1A0486	K.Sathwik	4th	11	227R1A0486@cmrtc.ac.in	Kidney dietapp-Telugu Chatbot for Rural Peoples (change