

One Week Hands-on  
Faculty Development Programme on

**FULL STACK DEVELOPMENT FOR  
AI&ML WITH IOT DEPLOYMENT**

16<sup>th</sup> to 21<sup>st</sup> June, 2025

**REGISTRATION FORM**

Name: .....  
Designation: .....  
Department: .....  
College: .....  
Mobile: .....  
Email: .....  
Address for communication.....  
.....  
.....

**DECLARATION**

The information furnished in registration form is true to the best of my knowledge. I agree to abide by the rules and regulations governing by the course. If selected, I shall attend the course for entire duration, I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the course.

Place: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of Faculty

Signature of  
HOD

**Chief Patron:**

**Sri. Ch. Malla Reddy**  
Hon'ble MLA, Telangana State  
Founder Chairman, MRGI

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**Sri Ch. Mahender Reddy**, Secretary, MRGI  
**Dr. Ch. Bhadra Reddy**, President, MRGI

**Convener:**

**Dr. Y. Madhavee Latha**  
Professor of ECE & Principal

**Co-Conveners:**

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**Dr. N. SREEKANTH**, Dean – Administration

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**Dr. N L ARAVINDA**, Dept. of E.C.E.  
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**Coordinators:**

**Dr. K. SUDHAKAR**, HOD, E.C.E  
**Dr. S. VIJAYA MADHAVI**, HOD,E.E.E

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FACULTY DEVELOPMENT PROGRAMME ON

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Organized by  
**Departments of ECE & EEE**



**MALLA REDDY ENGINEERING  
COLLEGE FOR WOMEN**

**Autonomous Institution**

**Accredited NAAC with 'A+' Grade**  
**Programmes Accredited by NBA**



National Ranking by NIRF-Innovation Rank band (151-300), MHRD, Govt. of India  
Maisammaguda, Dhulapally, Secunderabad-500 100



[www.mallareddyecw.com](http://www.mallareddyecw.com)



## ABOUT MRGI

Situated away from raucous sounds of Hyderabad city, MRGI epitomizes technocracy at its best. Being one of the largest campuses in Telangana State, MRGI promises eventful student-oriented learning. The founder chairman Sri.Ch.Malla Reddy began the journey as an educationalist to form the bridge between society, industry and academics. He is an unassuming dynamic leader with a keen interest in changing trends of higher education and student's employability in India & abroad. The diverse and enormous growth of the group unravels his realistic vision to cater to the needs of students in all the areas of education. Education at MRGI brings all round and holistic development in students. Today MRGI has become a major learning centre with 3 Universities and various institutions offering Engineering, Medical, Management, MCA, Dental and Pharmacy courses.

## ABOUT MRECW

Malla Reddy Engineering College for Women has UGC Autonomous Status by Govt. of India, Accredited by NAAC with 'A+' Grade, Programmes Accredited by NBA, Band (151-300)-National Ranking by NIRF-Innovation-2023, MHRD, Govt. of India, Ranked 4th in Top Engineering Colleges of Eminence by GHRDC Engineering Survey-2025, Ranked 6th in Top Engineering Colleges of Super Excellence by CSR Rankings-2025, Ranked 48th Rank in T-Schools in India by Data Quest Magazine-2025, ISO 9001:2015 Certified, 2(f) & 12(B) Recognition, UGC, Govt. of India, AAAA Rated by Careers 360 Magazine-2025, AAAA+ Rated by Digital Learning Magazine, Ranked under Titanium Band-Premier Institutions for Academic Excellence in India by R-World Institutional Ranking – 2025, Recognized as Outstanding Performance and Commitment to Excellence in Digital Education through the CISCO Networking Academy – 2025, 44th Rank in Top Emerging Colleges in India by INDIA TODAY Magazine 2024, 7th in Emerging Private Engineering Colleges in India, THE WEEK Magazine – 2024, Ranked in Top-10 Promising Colleges for Data Science in India, Higher Education Review-2024, MRECW Ranked 83rd in Top Engineering Institute Rankings by Times Engineering Survey-2024, Ranked as Sustainable Institutions of India with the GOLD BAND by Green Rankings-2024, 16 University Gold Medals (JNTUH University) for Academic Excellence

The college offers B.Tech Programmes in CSE,CSE-AI&ML, CSE-Data Science, CSE-Cyber Security, IT, ECE and EEE, M.Tech Programmes in Embedded Systems, Computer Science Engineering & MBA and has a strong vision of offering world class training to the promising engineers. 100% of the faculty members are ratified by JNTU Hyderabad. MRECW emphasizes on Application Oriented Teaching & Problem Based Solving. Since the establishment of the college, it is known for academic excellence. The College offers pre placement training program, e-learning, e-Training & e Assessment in collaboration with Time Institute, Training & Assessment through Code Tantra and Reference Globe, career connect and industry connect programs. College offering 100% Placements and students are placed in reputed MNCs like CISCO, Accenture, HSBC, Apps Associates, Cap Gemini, IBM, NTT Data, Cognizant, Wipro, TCS, Infogain, CGI, CYIENT, Mphasis, Infosys, Amazon & Genpact, with 6 to 8 offer letters for many.

For the better prospects, the college offers training to students for Prestigious Certifications like CISCO Networking Academy, Robotics-Centre of Excellence, Business English Certification (in association with Cambridge University, London, U.K.) through Center for Development of Communication Skills within the College Campus and also offers Innovative Product Development, project based training programs for I, II, III & IV year students in their fields of interest. College initiates and organizes International and National Conferences in association with Scopus Indexed journals, Workshops and Refresher courses in the different Engineering disciplines to upgrade the knowledge of the faculty members.

The faculty of the institution have completed and are also undertaking many more Research and funding projects. MRECW is always in the forefront in organizing workshops on latest technologies like Robotics, IOT, Block Chain Technology, R-Programming, Cloud Computing, Python, Android, Cadence Tools, MATLAB and Multisim to fill the gap between the Industry and Academia. The college has established Institution Innovation Council under MHRD and is member of J-Hub under JNTUH. Through these, in association with Entrepreneurship Development Cell, the College organizes and promotes Hackathon programmes for which our students have been selected as Top innovators and their products selected as Top Innovative products. The College also has an actively functioning Technology Business Incubation Centre for handholding startups till success. Students established IEEE, IETE, ISTE Student chapters and *Technical* Associations in each department under which they organize National and State Level Technical Symposia, Technical Quiz, Debate Competition, Group Discussion and Mock interviews etc. to improve their technical skills and soft skills. Here is the place where we mould students into industry ready engineers by providing leadership development, mentoring in technical education and empowering our young women to be the architects of change in the world of technology. We also strive to inculcate human values, ethics, and respect for tradition along with lot of emphasis on decency, dignity and life skills to meet the challenges of the world.

## ABOUT FDP

This three-day Faculty Development Program on "Full Stack AI with IoT" is designed to equip participants with hands-on skills in building end-to-end intelligent systems. The sessions cover the fundamentals of AI and machine learning, training and deploying models using Python, and developing interactive user interfaces with Streamlit. Participants will also explore integrating live sensor data from Raspberry Pi into AI models, culminating in the creation of a real-time IoT dashboard. By the end of the program, attendees will gain practical experience in connecting AI models with real-world IoT applications, enabling them to develop smart, data-driven solutions.

## TOPICS

- Getting Started with AI: Concepts and Real-World Data
- Building and Saving Your First AI Model
- Modular AI Project Design for Scalable Development
- Designing User Interfaces with Streamlit
- Seamless AI Integration into Web Apps
- Creating Engaging Dashboards with Visual Analytics
- IoT Essentials: Setting Up Raspberry Pi with Sensors
- From Sensors to Predictions: Automating AI Inference
- Smart Dashboards: Real-Time IoT Monitoring with AI

## OUTCOMES

Participants will:

- Gain practical knowledge of machine learning and data handling using Python.
- Learn to train and deploy AI models with real datasets.
- Build interactive web apps using Streamlit.
- Interface IoT sensors with Raspberry Pi.
- Integrate live sensor data with AI models for real-time predictions.
- Develop a complete AI-powered IoT dashboard.

## VENUE: CC-1 Lab, Einstein Block

## RESOURCE PERSONS

Eminent Speakers and Subject Experts from reputed Universities & Industries