

**ONE WEEK NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME
ON**

**Next-Gen Smart Grid
Technologies with Power
Electronics Innovations**

15th to 20th July, 2024

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**
Signature of Faculty **Head of the Institution**

ONLINE REGISTRATION

(Click below link)

<https://forms.gle/55EiMmdGf4BBNG5t9>



Chief Patron:
Sri. Ch. MALLA REDDY
Hon'ble MLA, Telangana State
Founder Chairman.

Patrons:
Sri Ch. MAHENDER REDDY, Secretary
Dr. Ch. BHADRA REDDY, President

Convener:
Dr. Y. MADHAVEE LATHA
PRINCIPAL

Course Coordinator:
Dr. S. VIJAYA MADHAVI, HOD, EEE

Advisory Committee:
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Dr. N. SREEKANTH Dean- Administration
Dr. B. SUBBA REDDY, Dean-R&D
Dr. VISHNUKUMAR MISHRA,
Dean-Global Education and Career Guidance Cell
Dr. T. RAMKUMAR,
Dean-Industry Institute Partnership Cell (IIPC)
Dr. A GANGA DINESH KUMAR,
Dean-Innovation & Entrepreneurship Development Cell
Dr. K. VENKATA NAGANJANEYULU,
Dean- Student Affairs

Organizing Committee:
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Dr. T.S.N.G. SARADA DEVI
Dr. B. ANIL KUMAR
Dr. V.KIRAN BABU
Dr. K. RAHUL WILSON
Dr. M. KUMUDWATHI

REGISTRATION FEE : Rs. 200/-
Contact no: 7330813330

PARTICIPATION CERTIFICATES WILL BE PROVIDED

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**Next-Gen Smart Grid
Technologies with Power
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**Organized by
Department of 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



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 35 institutions offering Engineering, Medical, Management, MCA 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 9th in Top Engineering Colleges of Eminence by GHRDC Engineering Survey-2024, Ranked 13th in Top Engineering Colleges of Super Excellence by CSR Rankings-2024, ISO 9001:2015 Certified, 2(f) & 12(B) Recognition, UGC, Govt. of India, AAAA Rated by Careers 360 Magazine, AAAA+ Rated by Digital Learning Magazine, 7th in Emerging Private Engineering Colleges in India, THE WEEK Magazine – 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, 64th Rank in T-Schools in India by Data Quest Magazine-2024, 44th Rank - Best Emerging Engineering Colleges of India by India Today Rankings 2024, 86th National Ranking by The Week Magazine-2023, Ranked Top 10 Promising Colleges for Data Science in India-2023, by Higher Education Review, 113th in Best Colleges in India, South Asia Award 2023-24 Cambridge under Cambridge Learning Partner-Continuous Learning Excellence, Four Star Rating from Institution Innovation Council(IIC), MHRD, Govt. of India, 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

Smart grid technologies encompass a range of advancements aimed at transforming traditional power distribution systems into intelligent networks. These technologies leverage digital communication and advanced sensing capabilities to monitor, control, and optimize the flow of electricity. Power electronics innovations play a crucial role in enabling these smart grid functionalities. The integration of power electronics with smart grid technologies enables advanced control strategies that enhance grid flexibility and resilience. By equipping participants with knowledge of these innovations, the FDP empowers them to drive advancements in energy efficiency and grid reliability, thereby shaping a more resilient energy future.

TOPICS

- **Advanced Metering Infrastructure (AMI) and Smart Metering**
- **Grid-Interactive Power Electronics Devices**
- **Renewable Energy Integration Challenges and Solutions**
- **Advanced Control Strategies for Smart Grids**
- **Integration of Electric Vehicles (EVs) into Smart Grids**
- **Emerging Technologies in Power Electronics for Smart Grids**
- **Hands on Experience on Advanced tools**

Expected Outcomes:

- Knowledge Enhancement
- Finding research problems
- Communication with experts
- Integrate Power Electronics
- Prepare for Challenges
- Network and Collaborate

VENUE: Einstein Block, Main Auditorium, MRECW

RESOURCE PERSONS

1. Dr Jaya Lakshmi JNTU, Hyderabad
2. Dr Sukanta Halder IIT, Dhanbad
3. Dr Mrinal Kanti Sarkar, NIT, Jamshedpur
4. Dr Debhashis Chatterjee, Jadavpur University
5. Dr Vinay Kumar NIT Warangal
6. Mr Anvesh Senior Engineer SMA – Solar India