

**One-Week National Level
Refresher Course on
ENGINEERING CHEMISTRY
15th to 20th JULY, 2024
(Blended mode)**

REGISTRATION FORM

Name:

Designation:

Department:

College:

Mobile:

Email:

Address for communication.....

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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: _____

Chief Patron:

Sri. Ch. Malla Reddy,

Member of Legislative Assembly, Medchal Constituency,
Telangana State
Founder Chairman, MRGI

Patrons:

Sri Ch. Mahender Reddy, Secretary

Dr. Ch. Bhadra Reddy, President

Convener:

Dr. Y. Madhavee Latha,

Professor of ECE & Principal

Co-Convener:

Dr. A. Swaroopa Rani,

Head, Dept. of Humanities and Sciences

Course Coordinator:

Dr. Sana Eswaramma, Head, Dept. of Chemistry

Organizing Committee:

Dr. V.L. Chandraboss, Dept. of Chemistry

Dr. Ch. Prathap, Dept. of Chemistry

Dr. K.V.S. Mani Chandrika, Dept. of Chemistry

Dr. M. Shilpa, Dept. of Chemistry

Dr. K.Sailaja, Dept. of Chemistry

Dr. K. Sruthi Vandana, Dept. of Chemistry

Dr. G. Spandana, Dept. of Chemistry

Dr. Likha Chandran, Dept. of Chemistry

Dr. Saritha, Dept. of Chemistry

Dr. S. Kalyani, Dept. of Chemistry

REGISTRATION

Registration Fee: Rs. 200/- per Participant

Registration Link:

<https://forms.gle/7B2wu7yMrfQpVWuP7>

Address for Correspondence:

Dr. Sana Eswaramma

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ENGINEERING CHEMISTRY

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**Organized by
DEPARTMENT OF CHEMISTRY, H&S**



**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.

ABOUT CHEMISTRY DEPARTMENT

The Department of Chemistry at Malla Reddy Engineering College for Women (MRECW), Hyderabad started in the year of 2008. The department is committed to unwavering dedication to excellence in both education and research. Our primary goal is to strengthen the core principles of Chemistry by seamlessly integrating theoretical concepts of molecular orbital theory, batteries, fuel cells, polymer chemistry, energy sources and smart materials along with hands-on experience on various instruments like potentiometer, conductometer, pH meter and also volumetric analysis to ensure a holistic approach of learning. The department comprises 15 dedicated and qualified faculty members who actively contribute to advancements in their respective fields. Our team of experts is dedicated to enhancing teaching methodologies and fostering professional growth. Their guidance not only enriches the learning experience but also encourages students to explore research opportunities early in their academic careers.

MRECW's commitment to research is evident through its state-of-the-art facilities, which include fully-equipped laboratories and access to sophisticated instruments. These resources enable students to conduct experiments independently and participate in collaborative research projects, fostering critical thinking and problem-solving skills. Moreover, the department emphasizes interdisciplinary collaboration, encouraging students to engage with other branches of engineering and sciences. This holistic approach prepares graduates to tackle complex challenges and innovate across various industries.

Beyond academia, the department organizes seminars, workshops and industry interactions to broaden students' perspectives and facilitate professional networking. Such initiatives enhance their employability and readiness for careers in academia, research institutes, and industry.

ABOUT REFRESHER COURSE

This Refresher Course is intended to provide opportunity for faculty employed in AICTE approved institutions for upgrading their knowledge, teaching and practical skills in the area of Engineering Chemistry. The objective of this Refresher Course is specifically designed to discuss, deliberate and come up with the topics of Engineering Chemistry into cutting-edge real time applications, ensuring they stay current and contribute effectively to academic, research and development efforts. The early-career researchers and academicians will have a great opportunity to learn from the esteemed panel of experts who shall be delivering expert talks on various topics related to emerging trends in Engineering Chemistry.

Topics to be covered

- Water treatment methods
- Defloridation techniques
- Functioning and applications of Batteries
- Lithium ion batteries-electrical vehicles
- Fuel cells- Applications
- Polymeric Materials- Synthesis and advanced applications
- Processing of coal and Petroleum fuels
- Advantages of Biofuels
- Advanced smart materials
- Molecular Structure and Theories of bonding
- Recent case studies

Resource Persons

- Dr. B Sathyanarayana, Head & Dept. of Chemistry, JNTUH .
- Prof. B. Rama Devi, Dept. of Chemistry, JNTUH.
- Prof. Ch. Subrahmanyam, Dept. Of Chemistry, IIT, Hyderabad.
- Prof. Surendra Kumar Martha, Head(Chemistry), IIT-Hyd.
- Dr. P. Saritha Rajender, Head(Chemistry), OUCE-Hyd.

Level of Participants

Faculty working in AICTE approved Institutes, Ph.D. scholars, and working professionals from various organizations/industries can attend.

Expected Outcomes

- To acquire cutting-edge knowledge in subject and research.
- To elevate teaching, research and mentorship standards.
- To analyze recent research problems and case studies.
- Offers an opportunity to engage with prominent teaching and research professionals.