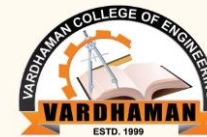


DETAILED SCHEDULE

DAY 1: MONDAY, 20 th NOVEMBER 2023		
Time	Topic	Speaker
1.30 PM to 1.45PM	Inaugural session	Dr. JVR Ravindra Principal, VCE
1.45PM to 3.00PM	"Chemistry and Technology of Fuels"	Dr. T. Venkateshwar Rao Senior Principal Scientist, Catalysis and Fine Chemicals, IICT-Hyderabad
DAY 2 : TUESDAY, 21 st NOVEMBER 2023		
1.30PM to 3.00PM	"Single Atom Macrocyclic Catalysts for Sustainable Energy and Clean Environment"	Dr. M. Sathyanarayana Assistant Professor (Grade-1), Dept. of Chemistry, School of Advanced Sciences, VIT -AP.
DAY 3 : WEDNESDAY, 22 nd NOVEMBER 2023		
1.30PM to 3.00PM	Mammalian Nitrogen Cycle: Interconversion of NO \longrightarrow NO ²⁻ \longrightarrow NO ³⁻ and Vice - Versa"	Dr. K. Pankaj kumar Assistant Professor, Dept. of Chemistry, IISER -Tirupathi.
DAY 4 : THURSDAY, 23 rd NOVEMBER 2023		
11AM-12.30PM	"Energy Materials for next generation storage solutions"	Dr. Pratyay Basak Principal Scientist, Nanomaterials laboratory, Inorganic and Physical Chemistry Division, IICT -HYD
DAY 5 : FRIDAY, 24 th NOVEMBER 2023		
1.30PM to 3.00PM	"AI & ML Applications on Drug Discovery and Development"	Prof. G. Rambabu Dept. of Chemistry, GITAM University -Hyderabad
DAY 6 : SATURDAY, 25 th NOVEMBER 2023		
1.30PM to 3.00PM	"Polymer Electrolytes for Solid State Rechargeable Batteries: A Modelling Approach	Dr. Ramesh Cheerla Research Scientist, Momentive Performance Materials (India) Pvt. Ltd. Bangalore.

Resource Persons: Eminent and experienced persons from premier institutes like IICT, NITs & IIT and scientific companies, will deliver the expert lectures.



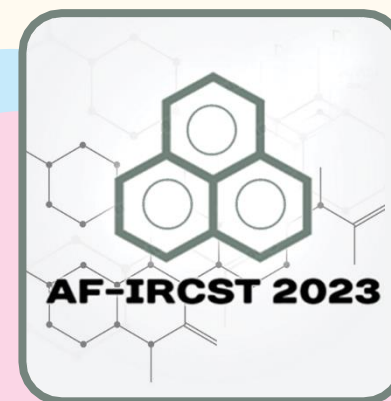
VARDHAMAN COLLEGE OF ENGINEERING

(AUTONOMOUS)

Affiliated to JNTUH, Approved by AICTE, Accredited by NAAC with A++ Grade, ISO 9001:2015 Certified
Kacharam, Shamshabad, Hyderabad - 501218, Telangana, India

One Week Online Short-Term Training Program
on

"Advancing Frontiers: Integral Role of Chemistry in Science and Technology" (AF-IRCST-23)



20th - 25th November, 2023
1.30PM to 3.00PM

DEPARTMENT OF CHEMISTRY

About the college

Vardhaman College of Engineering (VCE) is one of the premier engineering colleges in Hyderabad that was established in 1999 by the Vardhaman Educational Society. The college has a vision to provide quality education to its students and cater to the diverse need of society. VCE is a UGC Autonomous college, approved by AICTE affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad. The college offers undergraduate and postgraduate programs in various specializations such as Computer Science and Engineering (CSE), Computer Science and Engineering (AI&ML), Artificial Intelligence and Machine Learning (AI&ML), Artificial Intelligence and Data Science (AI&DS), Information Technology (IT), Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME), Civil Engineering (CE) and PG Programs M.Tech CSE, DECS, PEED, ED, SE, and MBA. The college also offers doctoral programs in CSE, ECE and ME. VCE is accredited by the National Assessment and Accreditation Council (NAAC) with an A++ grade and a CGPA of 3.58 on a scale of 4. All six of its eligible undergraduate engineering programs B. Tech CSE, IT, ECE, EEE, CSE, ME and CE are accredited by the National Board of Accreditation (NBA), New Delhi, under the Tier-1 category. The college boasts of state-of-the-art infrastructure, including well-equipped laboratories, a central library, a sports complex, a seminar hall, and an auditorium. The faculty at VCE are highly qualified, experienced, and dedicated to imparting quality education to students. The college encourages students to participate in co-curricular and extracurricular activities and various clubs and societies are formed to hone their skills.

About Department:

The Department of chemistry occupies a place of pride in Vardhaman College of Engineering (Autonomous) as it is the backbone for Engineering & Technology curriculum. Keeping this in mind, Vardhaman College of Engineering

(Autonomous) established Department of chemistry. Department of chemistry is a supporting department to all undergraduate engineering and professional Courses. The department is having well-equipped and well-furnished laboratories which assists students and teachers to carry out various projects works in various areas of chemistry. The faculty encourages and motivates the students to put in their efforts in their fields and guides them in all other activities like seminars, projects expo and workshops. It marches ahead with the vision of our college by setting its own goals in the areas of teaching-learning process and is the liveliest place on the Campus providing a safe, comfortable and friendly environment that enables learning and advancement of knowledge. The Department of chemistry gives maximum importance to the student who is the main stake-holder and it has been established with a view to achieving concentrated focus for the smooth migration of students having different backgrounds and varied abilities from Intermediate level to the professional studies by inculcating practice-oriented training.

Objectives of the STTP:

The online STTPs will be organized by Department of chemistry, Vardhaman College of Engineering, Hyderabad during November 20-25, 2023. This STTP aims to promote interaction with the scientific communities and cover the different prospects, tools and technologies used in materials, energy sources and medicinal chemistry research fields through a series of invited lectures from eminent speakers. The researchers from various institutes will gain deeper understanding on various important characterization methods and their applications in research field. They can develop state-of-the-art applications via using advanced research tools and concepts in chemical and material research field. No prerequisite is envisaged for participants. In each topic, attempts will be made to build up fundamental concepts followed by research directions for research in materials and medicinal chemistry.

Program Outcome

- To transfer the concepts and advanced knowledge in chemical sciences.
- To provide insights into novel and recent trends in drug discovery, development and formulation.
- To enhance research proficiency by using the advanced knowledge of different research tools.
- To provide the platform for discussing and exchanging the innovative research ideas and experiences for better understanding for Faculty, Research Scholars, students and Industry Delegates

Contact Person:

Dr. Ramesh Gajula,
Asst. Professor of Chemistry, VCE
E-mail: rameshkumar1688@vardhaman.org
Mobile: 9963716070

Who can Apply?

- The STTP is open to
- UG/PG students
 - Research Scholars
 - Faculty / Academicians
 - Industry Professionals

How to Register

- Step 1 : Make the payment using the QR code below, Type in "AF-IRCST-2023 in the payment remarks Save the transaction ID and take Screenshot of the payment page
- Step 2 : Complete your registration by filling the following Google form.
- Step 3 : Upload the proof of payment.
- This is to be done on or before 16-11-2023

Registration fee: Rs 200/- (Scan QR Code for payment)



Registration link:

<https://forms.gle/3VLTpXXuLHNw37Mq5>

Chief Patrons:

Dr. T. Vijender Reddy, Chairman
Sri T. Upender Reddy, Secretary
Sri M. Rajasekhara Reddy, Vice Chairman
Sri E. Prabhakar Reddy, Treasurer

Patron:

Dr. JVR Ravindra, Principal

Convener:

Dr. Siddhartha.M
Coordinator, Dept. of Chemistry
E-mail: siddhureddy7@vardhaman.org
Mobile: 9492925438

Coordinators:

Dr. Ramesh Gajula,
Asst. Professor of Chemistry
E-mail: rameshkumar1688@vardhaman.org
Mobile: 9963716070

Mr. G. Ravi Kumar,
Asst. Professor of Chemistry
E-mail: ravikumar.gande@vardhaman.org
Mobile: 9912148256

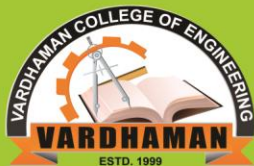
Co-ordinators:

Dr. S. Mahesh, Asst. Professor of Chemistry
Dr. M. Radha Sirija, Asst. Professor of Chemistry
Dr. Ramesh Gade, Asst. Professor of Chemistry
Mr. K. Yogendra, Asst. Professor of Chemistry

Organizing committee:

Dr. A. Kishore Kumar, Asst. Professor of Chemistry
Dr. Reshma, Asst. Professor of Chemistry
Dr. G. Naresh Reddy, Asst. Professor of Chemistry
Dr. P. Kartheek, Asst. Professor of Chemistry
Dr. K. Prashanth Kumar, Asst. Professor of Chemistry
Dr. Archi Sharma, Asst. Professor of Chemistry
Mr. M. Ramanna, Asst. Professor of Chemistry

**E-certificate will be provided
for all the participants.**



VARDHAMAN
COLLEGE OF ENGINEERING
(AUTONOMOUS)
SHAMSHABAD, HYDERABAD

CERTIFICATE OF PARTICIPATION



This is to certify that

Dr. Pragathi Jogi

Assistant professor, G.Narayanamma Institute of technology and sciences

has participated in one week online short-term training program on ***“Advancing Frontiers: Integral Role of Chemistry in Science and Technology (AF-IRCST 2023)”*** held on 20th - 25th November, 2023 organized by **Department of Chemistry, Vardhaman College of Engineering.**

Dr. G Ramesh Kumar
Coordinator

Mr. G Ravi Kumar
Coordinator

Dr. M Siddhartha
Convenor

Dr. JVR Ravindra
Principal VCE