

ORGANIZING COMMITTEE

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Sri. P. Ashok Gajapathi Raju,
Chairman, MANSAS

PATRON

Dr. K.V.L. Raju, *Principal, MVGRCE(A) & Correspondent, MANSAS*

ADVISORY COMMITTEE

Dr. Y.M.C Sekhar, *Vice-Principal (Academics)*
Dr. D.R. Prasada Raju, *Dean (Faculty Development)*
Dr. Ch. Purnachandra Rao, *Dean (A & E)*
Dr. R. Ramesh, *Dean (R & D)*

CONVENER

Dr. B. Sarva Rao, *HOD, Chemical Engg.*

COORDINATOR

Dr. S.V.A.R.Sastry, *Associate Professor*

CO-COORDINATOR

Mrs. R. Hema Latha, *Assistant Professor*

ORGANIZING COMMITTEE

Dr. D. Krishna, *Associate Professor*
Dr. G.V.S.K. Reddy, *Associate Professor*
Dr. B. V. Ramanaiah, *Sr. Asst. Professor*
Mr. G. Ravi Kishor, *Assistant Professor*
Dr. D. V. Padma, *Assistant Professor*

ADDRESS FOR CORRESPONDENCE

Dr. S.V.A.R. Sastry, *Associate Professor*
Mrs. R. Hema Latha, *Assistant Professor*

Department of Chemical Engineering,
MVGR College of Engineering (A),
Vizianagaram, Andhra Pradesh-535 005.
Phone: 7036940923
E-mail: svar@mvgfce.edu.in

TARGET PARTICIPANTS

Faculty / Research scholars and M.Tech/M.Phil Students of Biotechnology, Chemistry, Chemical Engg. & Petroleum disciplines; Engineers/ Scientists from Government / Private organizations and R&D establishments.

MODE OF DELIVERY

Live web sessions through Online Platforms via Microsoft Team/ Google meet. The links will be shared with the registered E-Mail ID's of the participants.

* Schedule of the FDP is attached in a separate sheet.

REQUIREMENTS TO GET E-CERTIFICATE

Minimum 80% attendance is required for the whole course.

REGISTRATION

Registration fee: Nil

Maximum 200 participants on a first-come-first-served basis will be accommodated.

Participants can register for the program through the following link:

<https://forms.gle/wnXzdGLpFyXtWkbfA>

Last date for registration: **12.07.2021**



Online One-Week Faculty Development Program (FDP)

On

Novel Applications of Chemical Engineering

15th - 19th July, 2021

Organized by
Department of Chemical Engineering
MVGR College of Engineering (A)
Vizianagaram, Andhra Pradesh-535005
Website: www.mvgfce.com



ABOUT THE COLLEGE

Maharaj Vijayaram Gajapathi Raj College of Engineering was established in the year 1997 under the aegis of "MANSAS" educational trust, founded by the Raja Saheb of Vizianagaram, Dr. PVG Raju in 1958. The college is located at Vijayaram Nagar campus, Chintalavalasa, Vizianagaram, Andhra Pradesh. The college offers 7 B.Tech. programmes namely Chemical, Civil, CSE, ECE, EEE, IT, Mechanical & 7 P.G. programs. It is accredited with "A" grade by NAAC and also conferred Autonomous Status by UGC. In addition to curricular programs, the institute constantly strives to update its faculty and students by conducting FDP's, Workshops, Conferences, Seminars and Guest lectures in the emerging fields.

ABOUT THE DEPARTMENT

The Department of Chemical Engineering was established in the year 1997, with the objective of imparting quality education in the field of Chemical Engineering with rapidly evolving technology and the continuous need for innovation. The Department is recognized as 'RESEARCH CENTRE' by JNTU Kakinada and has also received '5 YEARS' accreditation from NBA. The Department has state of the art infrastructure & well-equipped laboratories. Well qualified faculty members with 6 Doctorates (graduated from reputed institutions like IIT's and NIT's) with a blend of industry, R&D and teaching experience with varied specializations offer Teaching-Learning services. The Department has bagged '7 Gold Medals' from JNT University, Kakinada. It also got '2 National level Best Student Chapter Awards' (*Ambuja & Pidilite*) from IChE, Kolkata. The faculty of department have more than 120 quality research publications in journals of international repute.

The Department has certified competency for skill development leading to award of certification in "CHEMICAL PROCESS DESIGN AND SIMULATION" in collaboration with Simtech Simulations, Hyderabad. The Department has developed well in terms of extending access to R&D and consultancy works. The Department has 3 funded projects worth 64 lakhs from DST & UGC. The Department has also received funds from AICTE for the modernization of two of the existing lab facilities.

To bridge the gap between Academia and Industry, the Department continuously organizes FDP's, Guest Lectures by eminent industrialists, Workshops and National level Student Conferences. The Department also provides facilities to the students to visit different types of process industries in order to reinforce their classroom learning.

ABOUT THE FDP

Chemical engineers "develop economic ways of using materials and energy". The work of chemical engineers involves scaling up and development of sustainable technologies for large-scale industrial processes that convert raw materials and energy into useful forms and products.

This FDP aims to correlate the latest advances in, and applications of, biomass and resource utilization technology, energy, chemical process operations, medicine and biomedical engineering, food processing, water treatment etc. and thus help the chemical fraternity to get an all round insight about the Novel Applications of Chemical Engineering.

TOPICS TO BE COVERED

- Novel Food Processing requirements - An integral part of Chemical Engineering.
- Towards Zero Waste Discharge in Process Industries.
- Novel water disinfection techniques for biologically treated industrial / municipal wastewater.
- Lignin Biorefinery: Current status and its future perspectives.
- Novel Chemical Engineering Applications in Pharmaceutical Industry.
- Novel Chemical Engineering Applications in Process Design & Simulation.
- Safety aspects & challenges in Process Industries.
- Impact of Digitalization on Chemical Engineering and its Applications.
- Process Modeling, Simulation & Optimization in Industrial Amine Production.
- Dividing Wall Columns: A Novel Application for Sustainable Distillation.

RESOURCE PERSONS

- ◆ **Prof. K.V. Rao**
Advisor, Chemical & Petroleum Engineering, JNT University, Kakinada, A.P.
- ◆ **Dr. D.G. Rao**
Chief Scientist (Retd.), CFTRI, Hyderabad
- ◆ **Dr. Vitthal L Gole**
Associate Professor, Madan Mohan Malviya University of Technology, Gorakhpur, U.P
- ◆ **Sri. V. Vikram**
Director, Trimax Biosciences, Karnataka
- ◆ **Dr. P. Srinivasa Rao**
Asst. Executive Engineer, AP Pollution Control Board, A.P.
- ◆ **Dr. Raghu Raja Pandiyan Kuppusamy**
Assistant Professor, National Institute of Technology, Warangal
- ◆ **Dr. Anjireddy Bhavanam**
Assistant Professor, National Institute of Technology, Jalandhar
- ◆ **Sri. B. Narasimham**
Dy. Manager, Design HSE, Tecnimont India Pvt Ltd., Mumbai
- ◆ **Smt. Chaganty Udayasri**
Lead Process Engineer, Besell Polyolefins, Mumbai
- ◆ **Sri. Vijay Patnana**
AI/ML Practise Head, BlueConch Technologies (UST Subsidiary), Pune