

PATRONS

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Prof. A. Syamsundar, Vice Principal, *GVPCe (A)*

CONVENER

Dr. B. Sreenivasulu, Associate Professor & Head,
Department of Chemical Engineering, *GVPCe (A)*

COORDINATOR

Dr. C. V. Nageswara Rao, Associate Professor
Department of Chemical Engineering, *GVPCe (A)*

CO-CORDINATORS

Dr. B. Sivaramakrishna, Assistant Professor
Department of Chemical Engineering, *GVPCe (A)*

Dr. Avijit Ghosh, Director, IICHE Training Institute
& Assistant Professor, Department of Chemical Engineering,
Heritage Institute of Technology, Kolkata.

SCAN FOR REGISTRATION



<https://forms.gle/TdEgtitwybfQJizy5>



One Week
Faculty Development Programme
(Online Mode)



On
**Numerical Methods in
Chemical Engineering with R**

19 – 24 January, 2026

Organized by

**Department of Chemical Engineering
Gayatri Vidya Parishad College of Engineering
(Autonomous)**

**Accredited by NAAC at 'A++' Grade for 7 years in the 3rd Cycle
Madhurawada, Visakhapatnam - 530 048.
Andhra Pradesh, India.**

www.gvpce.ac.in

&

**IICHE Training Institute
Indian Institute of Chemical Engineers
Kolkata**

ABOUT THE INSTITUTION

Gayatri Vidya Parishad College of Engineering (A) [GVPCE(A)] was established in 1996 by Gayatri Vidya Parishad, a premier educational trust, to promote technical education. The GVPCE(A) offers 11 B.Tech., 5 M. Tech programmes and one MCA with an annual intake of 1260. The college is accredited by NAAC with 'A++' Grade for 7 years in the 3rd cycle. Autonomous status was recommended by UGC and conferred by JNTU-K in the year 2009. The institute reached another mammoth milestone by receiving fund to the tune of Rs. 5 crore under subcomponent 1.2 of Technical Education Quality Improvement Program Phase II (TEQIP-II) for Scaling up PG Education and demand-driven Research & Development and Innovation in the country. It is recognized by Indian Society for Technical Education as "The Best Engineering College" of Andhra Pradesh and Telangana States. The college received Rs. 12 Crores from funding organizations DST / NBHM / ARB / AICTE etc. towards 45 R&D projects. Research and Consultancy projects, dedicated faculty, well equipped laboratories, good infrastructure and meritorious students are the major strengths of the Institution. The institute encourages collaborative learning between industry and academia as a means of reinforcing its curriculum with practical and real world experiences

ABOUT THE DEPARTMENT

Department of Chemical Engineering was established in 1996. The Department has highly qualified faculty members and experienced from diverse research areas. It has completed four projects sanctioned by AICTE. The Department is accredited by NBA for four times starting from 2003. The Department has signed MOU's with various industries to build Industry-Institute interaction. Major equipment like AAS, High pressure Reactors, GC etc., are available to facilitate research. State of art software like COMSOL Multiphysics for CFD, DWSIM, PRO-II, MATLAB, Triangle Simulation software is available for simulation works.

OBJECTIVES OF THE FDP

- This FDP would be addressing the solution of Chemical Engineering problems using R software.
- Numerical solution of a variety of Chemical Engineering problems would be demonstrated.
- Hands on training to the participants would enable them to incorporate this tool into the curriculum/research.

The programme will cover sessions on the following areas:

- Process Heat Transfer
- Chemical Engineering Thermodynamics
- Chemical Reaction Engineering
- Chemical Process Control
- Mass Transfer Operations
- Process Modeling

Key topics addressed: Non-Linear equation solvers, Interpolation and Curve Fitting, Non-Linear Regression, Ordinary Differential Equations (ODEs), Optimization - Bayers Optimization and Data Analysis.

Timings of sessions: 2:00 PM to 5:00 PM

RESOURCE PERSONS

- Dr. B. Srinivas, GVPCE (A), Visakhapatnam
- Dr. B. Sreenivasulu, GVPCE (A), Visakhapatnam
- Dr. C. V. Nageswara Rao, GVPCE (A), Visakhapatnam
- Dr. B. Sivaramakrishna, GVPCE (A), Visakhapatnam

WHO CAN PARTICIPATE

All Industry personnel, Faculty of Chemical Engineering/Petroleum Engineering/Petrochemical Engineering and Research Scholars from AICTE approved engineering colleges can participate.

REGISTRATION

For Industry Personnel: Rs 1000/-
For Faculty Members: Rs. 500/-
For Research Scholars: Rs. 200/-

NOTE:

Participants with at least 80% attendance and a minimum of 50% marks in the final assessment will receive e-certificate and refund of the registration fee.

CONTACT DETAILS

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