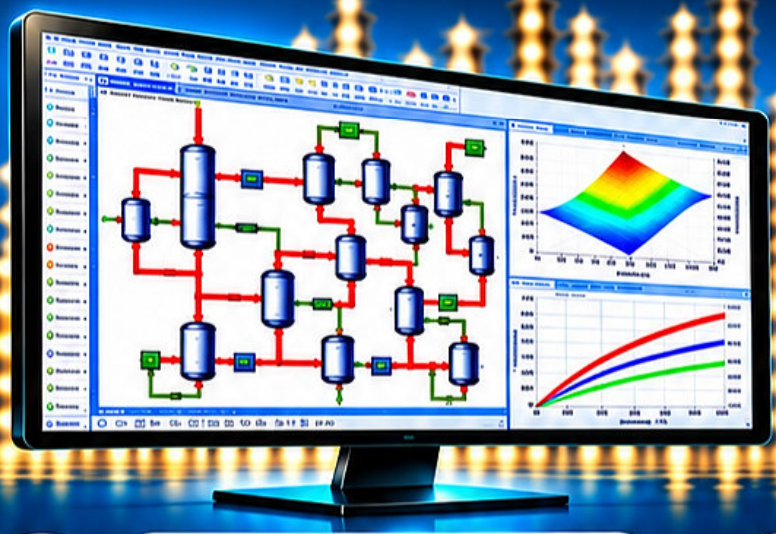
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

SHORT TERM COURSE (ONLINE)

Modeling & Simulation Techniques in Chemical Engineering (M&STCE 2026)



SOFTWARE COVERED

- Aspen Plus®
- Python / MATLAB
- DFT (e.g., VASP, Quantum ESPRESSO)
- AI & ML Applications in Chemical Engineering
- Other Important Software Tools

DATES

2nd to 6th December 2026

REGISTRATION FEE

₹ 500/-	for Faculty / Industry Persons
₹ 300/-	for UG / PG / Research Scholars

Organized by | Department of Chemical Engineering, National Institute of Technology Srinagar

REGISTER HERE

PAYMENT DETAILS

Beneficiary A/C Name	:	Director NIT IRG other receipts
Account No.	:	0391040510000006
IFSC Code	:	JAKA0RECSGR
Bank Name	:	Jammu and Kashmir Bank
Branch	:	REC Srinagar

LAST DATE OF REGISTRATION: 30 November 2026

National Institute of Technology Srinagar

Short Term Course (Online)

Modeling & Simulation Techniques in Chemical Engineering (M&STCE 2026)

Organizing Committee

Chief Patron	**Prof. Anurag Misra** Director, NIT Srinagar
Patron	**Prof. Atikur Rehman** Registrar, NIT Srinagar
Chairman	**Dr. F.Q. Mir** Head, Department of Chemical Engineering, NIT Srinagar
Convenor	**Dr. B. Krishna Srihari** Department of Chemical Engineering, NIT Srinagar
Coordinator (s)	**Dr. Brajesh Kumar** Department of Chemical Engineering, NIT Srinagar **Dr. Mohd. Moiz Khan** Department of Chemical Engineering, NIT Srinagar

IMPORTANT INFORMATION

- **Registration is compulsory** for attending the Short-Term Course (STC).
- **E-Certificates** will be issued to registered participants only after completion of this course subject to fulfilling the attendance criterion of **minimum 80%** of the total sessions.
- Participants are required to attend the sessions using their registered/ official names for attendance verification.
- The course is open to faculty members, industry professionals, UG/PG students, and research scholars.
- Participants are advised to complete registration and fee payment before the deadline.

Contact Details

6005143233 / 9410292260 / 7506831990

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National Institute of Technology Srinagar

Short Term Course (Online)

Modeling & Simulation Techniques in Chemical Engineering (M&STCE 2026)

Resource Persons



Modeling and Simulation using ASPEN PLUS Software

Dr. Mahendra Chinthala
Department of Chemical Engineering,
NIT Rourkela



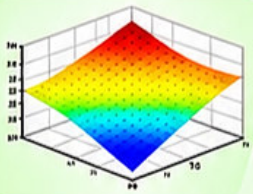
Applications of AI & ML in chemical Engineering

Dr. Pradeep Kumar
Department of Chemical Engineering,
IET Lucknow



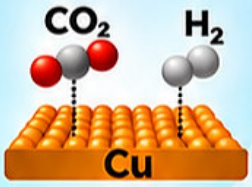
Leveraging Explainable AI for Predictive Modeling of Product Yields from Lignocellulosic Biomass Using Machine Learning

Dr. C. S. Rao
Department of Chemical Engineering,
NITK Surathkal



Optimization of Process Parameters via Response Surface Methodology

Dr. Mohd Yusuf
Department of Chemical Engineering,
King Faisal University, Saudi Arabia



DFT Study of CO_2 and H_2 Adsorption on Cu Catalysts

Dr. Haseen Siddiqui
Department of Chemical Engineering,
IIT Bombay



Intelligent Process Systems: Leveraging molecular, thermodynamics, and AI/ML approaches in modeling and simulation

Dr. Mohammad Shahab
CSIR-Indian Institute of Chemical Technology **(CSIR-IICT)**, Hyderabad

