



NANDHA ENGINEERING COLLEGE, (Autonomous), Erode-52

Department of Chemical Engineering

ALUMNI INTERACTION

BRIDGING THE GAP: CHEMICAL ENGINEERING FROM CAMPUS THEORY TO PROCESS PLANT REALITY

Date	25.08.2026
Alumni Speaker	Mr. C. Jayaprakash, Batch 2018–2022, Senior Engineer, GAIL India Limited, Mumbai
Participants	Final and Third-Year Chemical Engineering Students
Participant Count	42

The Department of Chemical Engineering, Nandha Engineering College (Autonomous), Erode, organized an alumni interaction programme titled “Bridging the Gap: Chemical Engineering from Campus Theory to Process Plant Reality” on 25 August 2026. The programme was organized with the objective of providing students with practical insights into the application of chemical engineering concepts in real-world process industries.

The session featured Mr. C. Jayaprakash, an alumnus of the Department from the Batch 2018–2022, currently serving as a Senior Engineer at GAIL India Limited, Mumbai, as the resource person. His professional experience in the natural gas and process industry provided students with valuable exposure to industrial practices, operational challenges and career opportunities.

The programme commenced with a brief introduction to the purpose of the alumni interaction. The speaker, Mr. C. Jayaprakash, shared his professional journey from being a Chemical Engineering student at Nandha Engineering College to working as a Senior Engineer at GAIL, Mumbai.

During the interaction, he explained how fundamental chemical engineering subjects such as Fluid Mechanics, Heat Transfer, Mass Transfer, Thermodynamics, Reaction engineering, Process Control and Process Safety are applied in industrial environments.

He also discussed the difference between solving academic problems and handling practical plant situations, emphasizing the importance of understanding process fundamentals, analysing operating conditions and making safe engineering decisions.

The speaker highlighted the significance of industrial safety, standard operating procedures, teamwork, communication skills, troubleshooting abilities and continuous learning for successful careers in the chemical and allied industries.

Key Takeaways for Students

The students gained valuable insights into:

- Practical applications of chemical engineering principles in process plants.
- The importance of process safety and safe operating practices.
- Industrial equipment and process operations.
- Troubleshooting and decision-making in real-time plant situations.
- The role of chemical engineers in the natural gas and energy sector.
- The importance of internships, industrial exposure and hands-on learning.

- Career opportunities available in core chemical engineering industries.
- Skills required to become industry-ready chemical engineers.
- The importance of communication, teamwork and professional ethics.

SDG Mapping

Priority	SDG		Relevant Target	Why It maps to the activity
Primary	SDG 4 – Quality Education		4.4	Students gain relevant technical, professional and employability skills required for employment and decent jobs. This is the strongest match.
Secondary	SDG 8 – Decent Work & Economic Growth		8.5	Placement preparation, interview strategies and career guidance help students move towards productive employment and decent work.
Secondary	SDG 8 – Decent Work & Economic Growth		8.6	The programme directly supports youth transition from education to employment by improving career awareness, employability and job-readiness.
Secondary	SDG 9 – Industry, Innovation & Infrastructure		9.2	Alumni-student interaction strengthens the connection between engineering education and industry requirements, supporting industry-oriented learning.

Overall Impact

The programme successfully provided students with meaningful industry exposure through the experience of a distinguished alumnus. The interaction enabled students to understand how classroom concepts are translated into industrial practice and helped them appreciate the importance of developing both technical and professional competencies.

The session also motivated students to strengthen their fundamentals, acquire practical skills and prepare themselves for careers in core chemical engineering and allied industries.



NANDHA ENGINEERING COLLEGE
(Autonomous)
ERODE - 638 052
INTERNAL QUALITY ASSURANCE CELL

LIST OF MEMBERS ATTENDED THE EVENT

Department of Chemical Engineering

Title of the Event	BRIDGING THE GAP: CHEMICAL ENGINEERING FROM CAMPUS THEORY TO PROCESS PLANT REALITY
Date and Time	25.08.2026 & 10.30 am to 01.30 pm
Location of the Event	BLOCK 9, CC-16, NANDHA ENGINEERING COLLEGE

S.No	Register Number	Name	Signature
1.	732225CH013	F. SHIVANI	F. Shini
2.	732225CH011	P. TINKA SRI	P. Tinkasri
3.	732225CH024	J. Soundarya	J. Soundarya
4.	732225CH008	M. Dhanya	M. Dhanya
5.	732225CH010	R. Hemalatha	R. Hemalatha
6.	732225CH018	M. Nithila	M. Nithila
7.	732225CH009	S. Ganga	S. Ganga
8.	732225CH006	M. Tharshini	M. Tharshini
9.	732225CH014	V. Jeyapriya	V. Jeyapriya
10.	732225CH025	B. Soumya	B. Soumya
11.	732225CH026	C.C. Sathram	C.C. Sathram
12.	732225CH004	K. Dev Anandu	K. Dev Anandu
13.	732225CH028	G. Theerthapathi	G. Theerthapathi
14.	732225CH016	S MANOJ	S Manoj
15.	732225CH017	Gi. Muneesh Kumar	Gi. Muneesh Kumar
16.	732225CH030	P. Vishnu	P. Vishnu
17.	732225CH003	S. Bala Subramani	S. Bala Subramani
18.	732225CH015	N. KALIKUMAR	N. Kalikumar...
19.	732225CH013	P. James Dreyal	P. James Dreyal
20.	732225CH007	S.S. Dhivagan	S.S. Dhivagan
21.	732225CH020	S. Ramkrishna	S. Ramkrishna

Event flyer:



NANDHA Engineering College (Autonomous)

(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NAAC with A+ Grade)
Erode - 638 052, Tamil Nadu.



DEPARTMENT OF CHEMICAL ENGINEERING & IICHE- NEC STUDENT CHAPTER, ERODE

Organizes Alumni interaction
on

Bridging the Gap: Chemical Engineering from Campus Theory to Process Plant Reality



AUG
25
2026



9.30 AM - 4.30 PM



Block 9
CC Lab

Speaker
Mr. C. Jayaprakash

SENIOR ENGINEER,
GAIL INDIA LIMITED
MUMBAI



Coordinator
Dr.p. Shanmugam
Prof./Chemical

Convenor
Dr. D. Revathi
ASP & Head

Principal
Dr. U. S. Ragupathy

Program Glimpses



P. S. Shanmugam
Alumni Coordinator/ Chemical
(Dr. P. Shanmugam)

P. S. Shanmugam
HoD/Chem

S. Shanmugam
Dean/ICAA