



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

Events Organized

S.No.	Document Name	Format Reference
1.	Circular	EO-01
2.	Speaker Profile	EO-02
3.	List of Members Attended the Event	EO-03
4.	Glimpses of the Event	EO-04
5.	Post Event Report	EO-05
6.	Feedback Form	EO-06
7.	Survey Form Sample	EO-07

**NANDHA ENGINEERING COLLEGE**

(Autonomous)

ERODE – 638 052

INTERNAL QUALITY ASSURANCE CELL

Department of Chemical Engineering

CIRCULAR

Ref: NEC/CHEMICAL/2026-27/CIR-A02

Date: 01.09.2026

Date of the Event	Name of the Resource person	Title	Time	Venue
02.09.2026	Mr. A. R. Sugieshiva Shanmugam Chemical Engineer – Production Chemplast Sanmar LTD Mettur, Tamil Nadu	BRIDGING THE GAP: CHEMICAL ENGINEERING FROM CAMPUS THEORY TO PROCESS PLANT REALITY	10.30 am to 04.30 pm	Offline Mode

[Signature] 11/9/2026

[Signature] 11/9/26

[Signature] 01/09/26

[Signature] 01/09/26

[Signature] 11/9/26

[Signature]
HOD/CHEMICAL
01/09/2026



NANDHA ENGINEERING COLLEGE

(Autonomous)

ERODE – 638 052

INTERNAL QUALITY ASSURANCE CELL

SPEAKER PROFILE

Name	Mr. A. R. Sugieshiva Shanmugam
Designation	Chemical Engineer – Production
Organization	Chemplast Sanmar LTD, Mettur, Tamil Nadu
Areas of Interest	Production and Process Engineering
Experience (in years)	2 years
Invitation Flyer (To be Enclosed)	Enclosed

SUGIESHIVASHANMUGAM A R

SENIOR ENGINEER - PRODUCTION

+91 7598010892
sugieshiva88@gmail.com
Erode, Tamil Nadu
India

 www.linkedin.com/in/sugieshivashanmugam

Summary

Chemical Engineer with 2 years of hands-on experience in Hydrogen Peroxide production, shift operations, and process safety. Strong exposure to HAZOP/HIRA, P&ID review, MOC, and steam optimization projects. Experienced in panel operations, permit systems, and safety practices. Seeking Associate Process Engineer roles.

Education

BACHELOR OF TECHNOLOGY - CHEMICAL ENGINEERING

Nandha Engineering College (Autonomous), Perundurai, Tamil Nadu
2020 - 2024

Work Experience

Chemical Engineer - Production

Chemplast Sanmar Limited

July 2024 - Present

- Reduced steam consumption in distillation section by 15% through process optimization.
- Increased process air flow rate by 300 Nm³/hr in oxidizer system
- Improved production efficiency by optimizing chemical processes and implementing innovative solutions.
- Monitored equipment performance, identifying issues and implementing corrective actions as needed.
- Troubleshoot complex process issues by identifying root causes and implementing effective resolutions.
- Designed Process Flow Diagram (PFD) and Process & Instrument Drawing (P&ID) for corporate training manuals.
- Involved in handling hydrogen gas and ensuring safety systems throughout shifts.
- Collaborated in HAZOP and HIRA studies focusing on risk assessment and safety improvement.
- Executed operational procedures for hydrogenator, oxidizer extractor, and vacuum distillation column.
- Engaged in process safety elements including Management of Change (MOC), Process Safety Information (PSI), and Process Hazard Analysis (PHA).
- Executed permit audits and promoted workplace safety through safety interactions and field observations.
- Prepared Standard Operating Procedures (SOPs) for incoming personnel and conducted Job Cycle Checks (JCC).
- Conducted ergonomic studies using RULA and REBA assessments.

Relevant Skills

Process Engineering

- Process Flow Diagram (PFD)
- P&ID
- Heat transfer
- Startup & shutdown

Operations & Safety

- Panel operations
- Safety systems
- Risk management
- Root cause analysis

Tools

- AutoCAD
- MS Office
- Basics in Aspen Hysys

Certificates

- Graduate Engineering Training Program
- Process Safety & First Aid Training
- District-level certificates in Sports
- Hindi Examinations (Cleared till Rashtrabhasha)
- Symposium and intra-college competition winner

Languages

- English (Read, write, speak)
- Hindi (Read, write)
- Tamil (Read, write, speak)

Declaration

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief



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

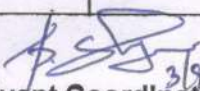
LIST OF MEMBERS ATTENDED THE EVENT

Department of Chemical Engineering

Title of the Event	FROM CLASSROOM TO CHEMICAL PLANT: INDUSTRY INSIGHTS, PRODUCTION PRACTICES AND CAREER OPPORTUNITIES
Date and Time	02.09.2026 & 10.30 am to 04.30 pm
Location of the Event	BLOCK 9, CC-16, NANDHA ENGINEERING COLLEGE

S.No	Register Number	Name	Signature
1.	732224CHL01	K. Dhaashan	K. Dhaashan
2	732224CHL02	A. P. NIKIL	A. P. NIKIL
3	732224CH015	S. Khalil Ahmed	S. Khalil Ahmed
4	732224CH012	T. Jeyanth	T. Jeyanth
5	732224CH023	B. Senthumadhavan	B. Senthumadhavan
6)	732224CH019	S. Prem Kumar	S. Prem Kumar
7)	732224CH008	P. Dinesh Kumar	P. Dinesh Kumar
8)	732224CH005	E. DHIVAKAR	E. DHIVAKAR
9)	V. Kousika	732224CH016	V. Kousika
10)	C. Rethamya	732224CH021	C. Rethamya
11)	P. Priyadharsini	732224CH020	P. Priyadharsini
12)	732224CH010	S. Haribhaskar Saravanan	S. Haribhaskar Saravanan
12)	732224CH014	P. Karanah	P. Karanah
14)	732224CH006	S. Devis and Vishal	S. Devis and Vishal
15)	732224CH007	K. S. Prem	K. S. Prem
16)	732224CH017	A. Lokith	A. Lokith
17	732224CH104	JARANSEI. T	J. Jaransei
18	732224CH007	A. DINESH KUMAR	A. DINESH KUMAR
19	732224CH008	P. Dinesh Kumar	P. Dinesh Kumar

20	732224 CH004	S. Devadharshini	S. Balakrishna
21	732224 CH009	N. Divya Shree	N. Divya
22	732224 CH025	G. Lakshika	G. Lakshika
24	732224 CH003	K. Chandhuru	K. Chandhuru
25	732224 CH001	R. Boopesh	R. Boopesh
26	732224 CH022	S. Rubhana	S. Rubhana
27	732224 CH013	D. Joe Brezin	D. Joe Brezin
28	23CH006	L. Joossarac	L. Joossarac
29	23CH010	P. Lathika Shamini	P. Lathika Shamini
30	23CH013	D. Megala	D. Megala
31	23CH023	P. R. Sridharshini	P. R. Sridharshini
32	23CH028	R. Varanika	R. Varanika
33	23CH019	D. Rigam	D. Rigam
34	2225CH008	M. Dhanya	M. Dhanya
35	2225CH024	J. Soundarya	J. Soundarya
36	2225CH010	R. Hemalatha	R. Hemalatha
37	2225CH018	M. Nithila	M. Nithila
38	2225CH009	S. Ganga	S. Ganga
39	2225CH014	V. Tejaswini	V. Tejaswini
40	2225CH006	M. Dharsini	M. Dharsini
41	2225CH025	B. Sowmya	B. Sowmya
42	2225CH013	P. James Dharshini	P. James Dharshini
43	2225CH028	G. Shrinidhi	G. Shrinidhi
44	2225CH023	E. SHIVANI	E. SHIVANI
45	2225CH005	R. Dhyanika	R. Dhyanika


 3/3/2020
 Event Coordinator


 03/03/2020
 HOD/CHEM

EO-04, Rev.0, 01.07.2024

	NANDHA ENGINEERING COLLEGE (Autonomous) ERODE – 638 052 INTERNAL QUALITY ASSURANCE CELL
	GLIMPSES OF THE EVENT

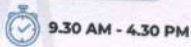
Title of the Event: From Classroom to Chemical Plant: Industry Insights, Production Practices and Career Opportunities

**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
**From Classroom to Chemical Plant:
Industry Insights, Production Practices
and Career Opportunities**







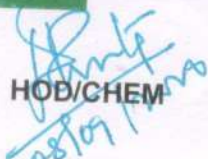
Speaker
Mr. SUGIESHIVASHANMUGAM A R
Chemical Engineer - Production
Chemplast Sanmar Limited
Mettur, Tamilnadu

Coordinator
Dr.p. Shanmugam
Prof./Chemical

Convenor
Dr. D. Revathi
ASP & Head

Principal
Dr. U. S. Ragupathy


Event Coordinator


HOD/CHEM

Program Glimpses




 Event Coordinator


 HOD/CHEM



NANDHA ENGINEERING COLLEGE
(Autonomous)
ERODE – 638 052
INTERNAL QUALITY ASSURANCE CELL
POST EVENT REPORT

Department	Chemical Engineering	
Name of the event	Alumni Interaction	
Title of the Event	From Classroom to Chemical Plant: Industry Insights, Production Practices and Career Opportunities	
Date & Time	02.09.2026	10.30 am to 04.30 pm
Venue	OFFLINE Mode	
Name of the Chief Guest	Mr. A. R. Sugleshiva Shanmugam	
Designation of the Chief Guest	Chemical Engineer – Production, Chemplast Sanmar Limited	
Number of Participants	42	
Outcome	The alumni interaction enhanced students' industry readiness by connecting classroom learning with real-world chemical plant operations, while motivating them to develop the technical and professional competencies required for successful careers in the chemical process industry.	
Mapped with PO and PSO	PO1, PO3, PO5, PO7, PO12, PSO1	
Related to SDG (Mention the relevant Goal)	 4. Quality Education  8. Decent Work and Economic Growth  9. Industry, Innovation & Infrastructure	
Feedback	Refer EO-06	
Overall Impact	The alumni interaction successfully helped to: - Enhanced students' understanding of real-time chemical plant operations. - Connected theoretical chemical engineering concepts with industrial applications. - Improved awareness of production engineering practices and safety requirements. Motivated students to strengthen their technical fundamentals. - Created awareness about career opportunities in core chemical industries. - Encouraged students to develop problem-solving, communication and teamwork skills.	

[Signature]
Event Coordinator

[Signature]
HOD/CHEM

About the Programme:

The major objectives of the alumni interaction were:

- To provide students with practical exposure to chemical process industries.
- To explain the role and responsibilities of chemical engineers in production operations.
- To bridge the gap between classroom learning and industrial practices.
- To familiarize students with process plant operations, safety and troubleshooting.
- To create awareness about career opportunities in core chemical industries.
- To motivate students to develop industry-relevant technical and professional skills.

Interaction with the Alumni

Mr. A. R. Sugieshiva Shanmugam shared his professional experiences and explained the transition from being a chemical engineering student to working as a Chemical Engineer in the production sector. He discussed the importance of fundamental chemical engineering subjects in industrial applications and explained how concepts such as Mass and Energy Balances, Fluid Flow, Heat Transfer, Mass Transfer, Process Control, Thermodynamics and Process Safety are applied in day-to-day plant operations. The alumnus also highlighted the importance of monitoring process parameters, maintaining production efficiency, identifying operational deviations and implementing appropriate corrective measures. Practical examples from the chemical manufacturing sector helped students understand the challenges involved in maintaining safe, reliable and efficient plant operations.

Key Areas Covered

The interaction focused on the following areas:

- Chemical process plant operations and production management.
- Roles and responsibilities of production engineers.
- Application of chemical engineering fundamentals in industry.
- Process monitoring and optimization.
- Industrial safety and safe operating procedures.
- Equipment operation and troubleshooting.
- Quality control and production efficiency.
- Teamwork and communication in process industries.
- Career opportunities in core chemical engineering industries.
- Skills expected from fresh chemical engineering graduates.

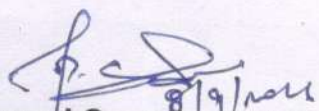
Student Interaction

The session was highly interactive, with students actively participating in the discussion. Students raised questions regarding career opportunities, industrial work culture, production operations, technical skills, recruitment requirements, internships and professional development. The alumnus responded to the queries by sharing his industrial experiences and practical suggestions. His interaction enabled students to gain a realistic understanding of the expectations of chemical process industries from young engineering graduates.

Outcomes of the Programme

The alumni interaction successfully helped to:

- Enhanced students' understanding of real-time chemical plant operations.
- Connected theoretical chemical engineering concepts with industrial applications.
- Improved awareness of production engineering practices and safety requirements.
- Motivated students to strengthen their technical fundamentals.
- Created awareness about career opportunities in core chemical industries.
- Encouraged students to develop problem-solving, communication and teamwork skills.
- Provided valuable guidance for preparing for industrial careers.


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


HoD/Chem


Dean/ICAA
11/9/26



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

Name of the Participant : **Mr. A. R. Sugleshiva Shanmugam**
 Event title : **From Classroom to Chemical Plant: Industry Insights, Production Practices and Career Opportunities**
 Dates of the program : **02.09.2026**
 5 - Excellent 4 - Good 3 - Average 2 - Below average 1 - Poor

S.No	Parameter	Grading				
		5	4	3	2	1
Indicate the level of relevance according to your understanding about the						
1	How would you rate the new information learned?	✓				
2	Have you enjoyed this event?		✓			
3	How would you rate the quality of the materials?	✓				
4	How would you rate the Speakers/Presentation Skills?		✓			
5	How would you rate the satisfaction about the event?	✓				
6	How would you rate the usefulness of this event to your Job?	✓				
7	How would you feel about Arrangements and Hospitality?		✓			
Any other suggestions for improvement: → It is useful for our career Settlement						

Signature of the Participant