



DIPLOMA ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

- **Title of the Activity:** "A Seminar on Engineering approach and "Career in process Engineering"
- **Category of Activity:** Academic Event – Seminar
- **Facilitators/ Resource person:** Mr. Mani Bhushan Thakur
- **Mode of Conduct:** Offline

Objective: The primary goal of this seminar was to bridge the gap between academic theory and industrial practice for budding engineers. Specifically, the objectives were:

- a) To introduce students to the fundamental engineering approaches used in large-scale industrial projects.
- b) To provide a clear roadmap for a career in Process Engineering, highlighting the roles and responsibilities within top-tier firms like L&T.
- c) To sensitize students to the current trends, tools, and technical competencies required in the chemical and process industries.

Description of the Activity: The primary goal of this seminar was to bridge the gap between academic theory and industrial practice for budding engineers. Specifically, the objectives were:

- a) To introduce students to the fundamental engineering approaches used in large-scale industrial projects.
- b) To provide a clear roadmap for a career in Process Engineering, highlighting the roles and responsibilities within top-tier firms like L&T.
- c) To sensitize students to the current trends, tools, and technical competencies required in the chemical and process industries.

Key Outcomes: The following topics were discussed in the session:

1. Enhanced Understanding of Process Design: Participants gained a foundational understanding of the "Process Life Cycle," learning how a project moves from initial conceptualization to a final Piping and Instrumentation Diagram (P&ID).
2. Industry-Standard Skill Identification: Students identified the specific technical tools and software—such as ASPEN HYSYS, PRO/II, and AutoCAD—that are essential for becoming competitive candidates in firms like L&T.
3. Application of Engineering Logic: The session successfully taught students how to apply a systematic "Engineering Approach" to solve real-world industrial bottlenecks rather than relying solely on textbook formulas.
4. Career Path Mapping: Attendees received a clear roadmap of the hierarchy within a Project Management team, clarifying the roles of a Graduate Engineer Trainee (GET) versus

Mani Bhushan Thakur
Head of Department
Chemical Engineering

Krishna School of Diploma Studies
Drs. Kiran & Pallavi Patel Global University (KPGU), Vadodara



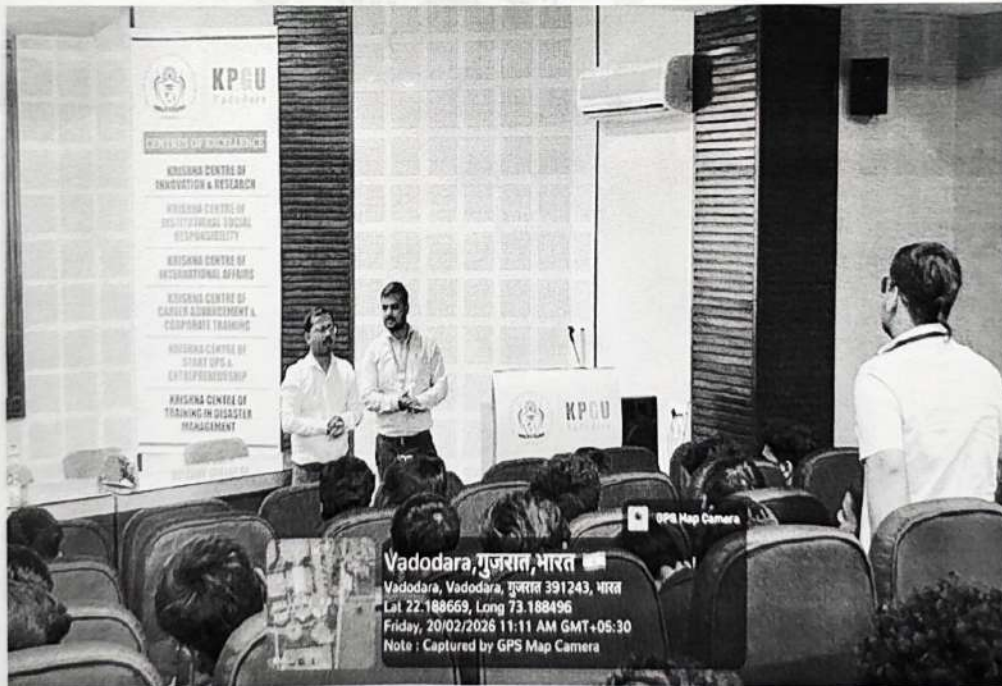
a Process Lead.

5. Integration of Safety and Ethics: A significant outcome was the increased awareness of HSE (Health, Safety, and Environment) standards and HAZOP (Hazard and Operability) studies, which are critical in any process engineering environment.

6. Professional Development: Through the Q&A session, students learned the importance of "soft skills" in engineering, such as interdisciplinary coordination, technical documentation, and project timeline management.

7. Bridging the Academia-Industry Gap: The seminar provided a realistic perspective on current market trends, helping students align their final-year projects with contemporary industrial needs.

- **Number of Participants:** 86
- **Target Audience:** Diploma Chemical Engineering Students – Semester 4 & 6
- **Collaborating Departments/ Organizations:** NA
- **Photographs of the session**



Hansraj
Head of Department

Chemical Engineering
Krishna School of Diploma Studies
Drs. Kiran & Pallavi Patel Global University (KPGU), Vadodara



DRS. KIRAN & PALLAVI PATEL GLOBAL UNIVERSITY

Established Under Gujarat Private Universities (Amendment) Act, 2021 (Gujarat Act No. 15 of 2021)

KRISHNA SCHOOL OF DIPLOMA STUDIES (KSDS)

KPGU

Vadodara
GLOBAL UNIVERSITY



Vadodara, गुजरात, भारत
Vadodara, Vadodara, Gujarat 391243, India
Lat: 22.189035, Long: 73.188177
Friday, 20/02/2026 11:25 AM GMT+05:30
Note: Captured by GPS Map Camera



KPGU
Vadodara

KRISHNA SCHOOL OF

- EMERGING TECHNOLOGY & APPLIED RESEARCH
- DIPLOMA STUDIES
- PHARMACY & RESEARCH
- PHYSIOTHERAPY & REHABILITATION
- NURSING
- AYURVED MEDICAL COLLEGE
- SCIENCE
- BUSINESS MANAGEMENT
- COMMERCE
- ARTS & HUMANITIES

KPGU
Vadodara

CENTRES OF EXCELLENCE

- KRISHNA CENTRE OF INNOVATION & RESEARCH
- KRISHNA CENTRE OF INSTITUTIONAL SOCIAL RESPONSIBILITY
- KRISHNA CENTRE OF INTERNATIONAL AFFAIRS
- KRISHNA CENTRE OF CAREER ADVANCEMENT & CORPORATE TRAINING
- KRISHNA CENTRE OF START UPS & ENTREPRENEURSHIP
- KRISHNA CENTRE OF TRAINING IN DISASTER MANAGEMENT

• **Social Media & Publicity Links:** NA

H. Kamsarg
Head of Department
Chemical Engineering
Krishna School of Diploma Studies
Drs. Kiran & Pallavi Patel Global University (KPGU), Vadodara

✉ info@kpgu.ac.in 🌐 www.kpgu.edu.in
☎ 1800 843 9999 📞 +91 265 2303991 / 2 / 3

📍 Krishna Edu Campus, Vadodara-Mumbai NH#8, Varnama, Vadodara-391243, Gujarat (INDIA).



• **Feedback & Testimonials:**

Outstanding response was received from the participants. Students understand the actual meaning and importance of Safety in Chemical Industries. This Expert session served as a stepping stone for students.

Prepared By:

Name: Mr. Vishal Jha

Designation: Lecturer

Sign:

Event Co-ordinator:

Name: Mr. Vishal Jha

Designation: Lecturer

Sign:

Head of Department:

Name: Mr. Jimit H. Kansara

Designation: Lecturer

Sign:

Head of Department
Chemical Engineering
Krishna School of Diploma Studies
Drs. Kiran & Pallavi Patel Global University (KPGU), Vadodara

Director

^{Director}
Name: **Dr. Dattesh Y. Joshi**

Designation: **Associate Professor**

Sign:



Drs. Kiran & Pallavi Patel Global University (KPGU)
Krishna Edu Campus, Vadodara-Mumbai NH #8,
Varnama, Vadodara 391243, Gujarat