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**SARVAJANIK  
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A report  
on

Expert talk

# **Decoding the Flow: An Introduction to Process and Instrumentation Diagram**

**(28<sup>th</sup> March 2025)**

By

**Mr. Miraj Savani, Research Scholar, SVNIT &  
SCET Chemical Alumni (Batch 2019)**

**Organized by**

Shree DhansukhlalThakordas (Colortex Group)  
**DEPARTMENT OF CHEMICAL ENGINEERING**  
**Sarvajanik College of Engineering & Technology**  
Dr. R. K. Desai Marg, Athwalines, Surat – 395001  
Gujarat, India.



**SARVAJANIK EDUCATION SOCIETY**  
**Sarvajanik College of Engineering & Technology**  
(A Constituent Institute of Sarvajanik University)  
Shree Dhansukhlal Thakordas (Colourtex Group)  
**Department of Chemical Engineering**  
In Association with  
**SCET Alumni Association**  
**Indian Institute of Chemical Engineers (IICChE)**



under the banner of Share What I Gain

**EXPERT TALK**

**DECODING THE FLOW:  
AN INTRODUCTION TO PIPING &  
INSTRUMENTATION DIAGRAM**

**VENUE: EC AV ROOM**

**DATE: 28 MARCH, 2025**

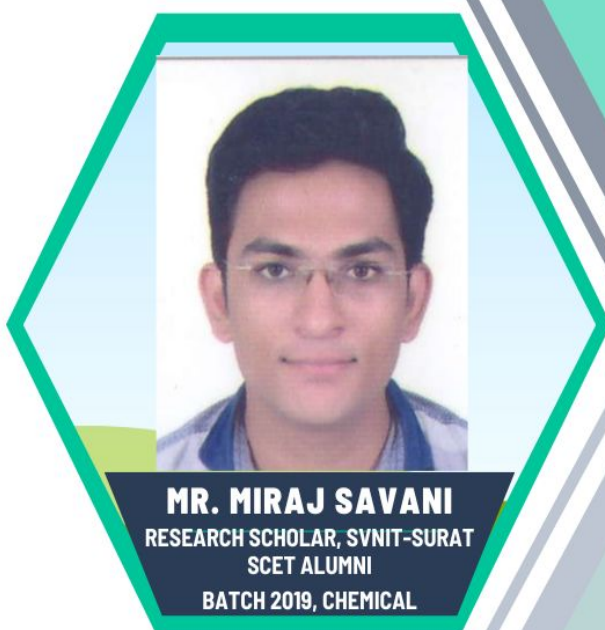
**TIME: 11:00 AM TO 01:00 PM**

**FACULTY CO-ORDINATOR**

**PROF. ANAND UPADHYAY**  
ASST. PROF. CHEMICAL ENGG.

**SCETAA CONVENOR**

**PROF. (DR.) CHIRAG PAUNWALA**



**HEAD OF DEPARTMENT**  
**PROF. SRUJAL RANA**

**PRINCIPAL**  
**PROF. (DR.) HIREN PATEL**

## **Report:**

The Department of Chemical Engineering, in collaboration with the IICHE student chapter and SCETAA, successfully organized an insightful expert talk on "Decoding the Flow: An Introduction to Process and Instrumentation Diagram" on March 28, 2025. The session, held in the E.C. AV room from 11:10 AM to 1:00 PM, provided students with a comprehensive understanding of Process and Instrumentation Diagrams (P&IDs) and their crucial role in the chemical industry.

The event commenced with a warm welcome by Dr. Srujal Rana, who presented a bouquet to the resource person, Mr. Miraj Savani. Mr. Savani, a Research Scholar at SVNIT and a proud alumnus of SCET Chemical Engineering (Batch 2019), brought a unique blend of academic rigor and practical industry insights to the session.

Mr. Savani's presentation focused on the fundamental aspects of P&IDs, covering:

- **Introduction to P&IDs:** He explained the purpose and significance of P&IDs in representing process systems.
- **Symbolism and Conventions:** The speaker elaborated on the various symbols, lines, and annotations used in P&IDs, ensuring that students could interpret and understand these diagrams effectively.
- **Application in the Industry:** Mr. Savani provided real-world examples and case studies, illustrating the practical application of P&IDs in process design, operation, and safety.
- **Importance of P&ID in safety:** The speaker emphasized the critical role of P&IDs in ensuring safe and efficient operation of chemical plants.

The session was highly interactive, with students actively participating in discussions and asking relevant questions. Mr. Savani's clear and concise explanations, coupled with his engaging presentation style, made the complex concepts of P&IDs easily comprehensible.

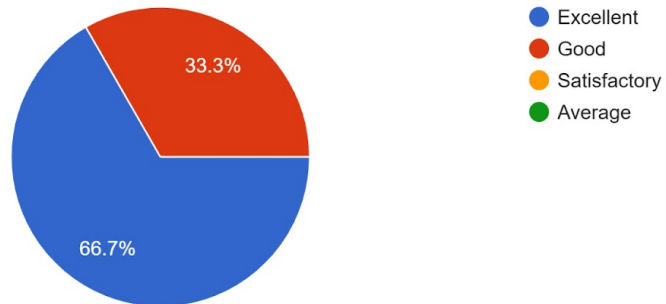
The talk was particularly beneficial for students pursuing chemical engineering, as it provided them with a valuable foundation in process design and instrumentation. The insights shared by Mr. Savani, drawing from his research and industry experience, offered students a practical perspective on the subject.

The session concluded with a vote of thanks delivered by Prof. Ashish Parmar. He expressed gratitude to Mr. Miraj Savani for sparing his valuable time and sharing his expertise with the students. As a token of appreciation, Prof. Parmar presented Mr. Savani with a memento.

## **Feedback:**

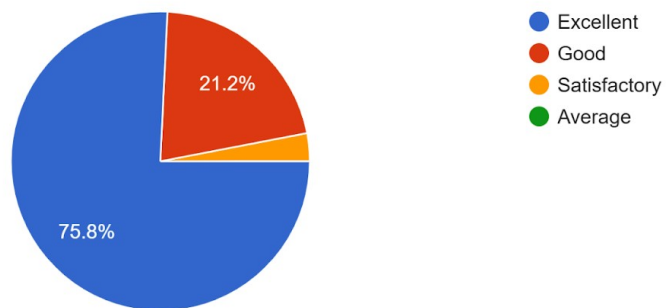
### 1. The clarity of speakers voice

33 responses



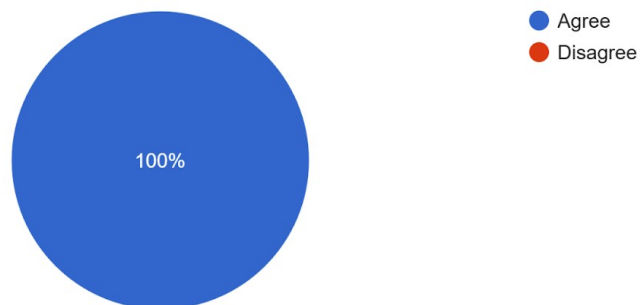
### 2. The quality of the presentation

33 responses

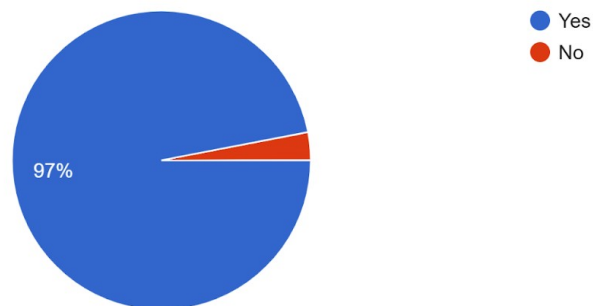


### 3. The contents of the lecture was interesting

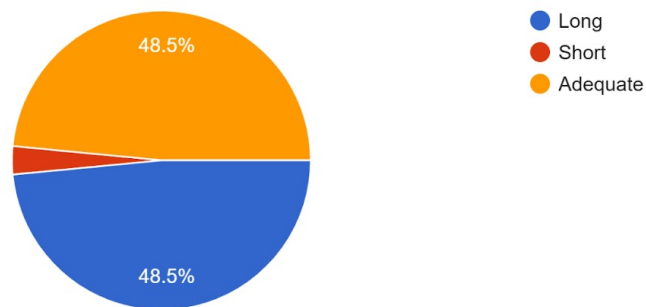
33 responses



4. I have gained extra knowledge from this lecture in addition to what I have studied in the subject(s)  
33 responses



5. The length of Lecture was  
33 responses



6. In future, I would like to attend expert lecture on

Yes  
P&ID DIAGRAM  
Any topic which will be beneficial for me and my future.  
yes  
Yes  
None  
-  
Active use of simulations  
P&ID  
Gate preparation experience from our alumni whoever has cleared the examination  
p&id  
HAZOP STUDY FOR CHEMICAL INDUSTRY  
Safety, health and environment in chemical industry

7. What did you like the most about this lecture

Foundation for Control Systems

The way speaker explained each and every portion of the topic in detail and easily understandable way...

Explanation

Excellency of the speaker

The way lecturer was giving his knowledge  
deep knowledge

The session started with the basics of P&ID and thoroughly covered the entire flow sheet.

The best part of the session was that the speaker didn't stick to only English.

P&ID diagram

None

P&ID Numbering and it's tag

Explanation language is Good

-

The knowledge about P&ID

Presentation skills and

The details endowed for the subject

Quality of presentation

The way of explanation was to good

Got information about P&ID

About the P&ID Diagram knowledge & industrial diagram

Gaining knowledge from an industrial expert about the subject which we have not yet learnt !

The way he taught us!

Information provided

Sir knowledge about p&id and they share there knowledge very good way

I gain some interesting knowledge about P&ID diagram

piping numbers and reactor

Most interesting part If this expert talk is that the way sir is teaching us in easy & very fluent way, And with that practical experience is also there.

explaining was good.

P&ID Diagram and its importance in industry

The way of explaining all the topics !

Way to understanding

Understanding of P&ID.

Yes

Importance of the P&ID

## 8. Any other suggestion

No

no

Conduct more such lectures and expert talks

None

No suggestions

-



### **Glimpses of the Event:**





### **Acknowledgements:**

The Chemical Engineering Department, SCET would like to acknowledge, the following for making this event possible.

- **Managing trustees and office bearers of the Sarvajani College of Engineering and Technology**
- **Prof. (Dr.) Hiren Patel, Principal, SCET**
- **Prof. (Dr.) Chirag Paunwala, Convener, SCETAA**
- **Dr. Srujal Rana, Head, Chemical Engineering Department, SCET**
- **Prof. Rashmita Patel, Faculty Coordinator, IICHE student Chapter**
- **Prof. Ashish Parmar, Faculty Coordinator, SCETAA**

Finally, we would like to thank all the participants and Volunteers for making this event successful.

**-Compiled by: Anand Upadhyay,**

**Asst. Professor, Dept. of Chem. Engg.- SCET**