



Sarvajnik Education Society  
**Sarvajnik College of Engineering and Technology**

**Department of Chemical Engineering**

**Expert Talk On “Introduction to PID control”**

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**Objectives of the talk:**

- To give an idea regarding importance and significance of process control in chemical industry.
- To provide information about different components of process control.

**Resource person :** Prof. Mohan Patel, Instrumentation and control engineering department, SCET, SURAT

**Venue:** Project Room, Chemical Engineering Department, SCET, Surat

**Date & Time :** 31/07/2017, 12:00 PM to 2:00

**Participants:** 60+ ,3<sup>rd</sup> Year UG students from Chemical Engineering Department.

**Summary:** The session of an Expert Lecture titled “ Introduction to PID control” was organized by **Chemical Engineering Department**.

Prof. Anand Upadhyay (Asst. Prof, Chemical engineering Department ) had commenced the session at 12.00 p.m. and gave a brief introduction of the speaker Prof. Mohan Patel.

Prof. Mohan Patel is an Assistant Professor in Instrumentation and control engineering department, SCET, SURAT. Prof. Mohan has a vast experience of 28 years in industry and academics. His area of interest is industrial automation.

He gave an informative session on different controllers used in process industries required to run the chemical plants smoothly. He interacted with the students regarding the use of “Laplace transform” as a mathematical tool to solve control problems related to process industry. Mohan sir gave in-depth information regarding the effect of proportion, derivative and integral control and their combinations with each other with mathematical and graphical expressions.

In 2<sup>nd</sup> session from 1:00 pm to 2.00 pm, he gave a demo of process control simulator named “Triangle Simulation” and “Byronic PCUIM” at AV room, IC department, SCET.

Finally the session was concluded by a vote of thanks followed by a QA session regarding the topic.

**ACKNOWLEDGEMENT**

We would like to thank Dr. Vaishali Mungurwadi (Principal, SCET) and the management of SCET for permitting us to organize an expert lecture on above said topic.

We would also like to express our gratitude towards Prof. Mohan Patel, for his inputs towards students for better understandings of the subject.

Some glimpses of the expert lecture are attached herewith.



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