

# Report

## Expert Talk – Industrial Automation

**1. Event Title:** Expert talk by Mr. Devendra Ugale on “**Live Presentation on Industrial Automation**” for S. E., T.Y. and Final Year B.Tech. Engineering students.

**2. Event Date:** 10<sup>th</sup> Oct 2022

**3. Event Conduction Duration:** 10:00 AM to 12:00 PM

**4. Event Mode:** Offline

**5. Event Resource Person Details:**

Mr. Devendra Ugale,  
Electrical Engineer  
Quaint Technomation, Nashik.

**6. Name of Event Coordinator with contact details:**

Mr. Harshal Chaughule, Asst. Professor, EEED, SOET

**Report Prepared By :** Mr. Yogesh Kahandal ,TA , EEED, SOET

**7. Event Outline & Outcome of the event:**

**Objective of Program:**

The main objective of process automation is to **improve a company's workflows**. With automation, we can reduce costs, time, and waste as well as increase productivity, reduce mistakes, and control all the processes of the business in real time.

Industrial automation systems are systems used to control and monitor a process, machine or device in a computerized manner that usually fulfills repetitive functions or tasks. They are intended to operate automatically in order **to reduce and improve human work in the industry**.

**The main objectives of the industry automation system introduction:**

- lesser influence of human factor to technological process;
- improved production reliability;
- increased production speed and quality;

- prevention of emergency situations;
- improved production control.

### **Output of Program:**

Industrial automation **lifts productivity**

The digitalization of manufacturing, and especially the advent of the Industrial Internet of Things (IIoT), also means increased throughput and avoided downtime as machinery is more efficiently employed and maintained.

Automation **reduces time, effort and cost, whilst reducing manual errors, giving your business more time to focus on your primary objectives.** Repetitive tasks can be completed faster. Automating processes ensures high quality results as each task is performed identically, without human error

In addition, automated testing **saves you time because you don't need to test the same functionality manually repeatedly.** The main disadvantages of automated testing are that they usually cost more money in software, take a lot of effort to implement for the first time, and need a lot of maintenance.

### **What are the Benefits of Industrial Automation?**

- Higher Production Rates.
- Increased Productivity. ...
- More Efficient Material Use.
- Improved Product Quality.
- Improved Safety.

**Number Students Attended: 120**

## 8. Event photos



