न हि ज्ञानेन सदृशं पवित्रमिह विद्यते।
Smt. S. R. PATEL
ENGINEERING COLLEGE

EXPERT LECTURE ON Industrial Robotics and Mechatronics System

Objective-

- To understand the basic concepts associated with the design and Functioning and applications of Robots.
- To study about the drives and sensors used in Robots
- To learn about analyzing robot kinematics and robot programming

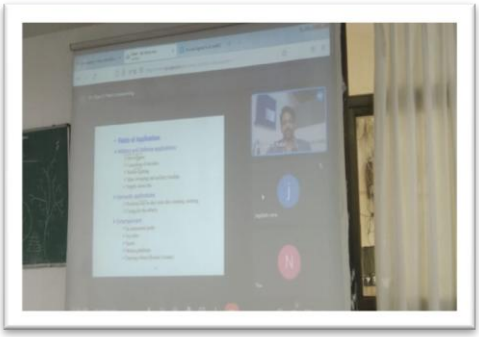
Smt. S.R. Patel Engineering College

EXPERT LECTURE REPORT

Mechanical Engineering Department

Summary:

This expert lecture cover robot's actions are directed by a combination of programming software and controls. Their automated functionality allows them to operate around the clock and on weekends—as well as with hazardous materials and in challenging environments—freeing personnel to perform other tasks. Robotic technology also increases productivity and profitability while eliminating labor-intensive activities that might cause physical strain or potential injury to workers. Industrial robots are used in a variety of applications Handling, Cutting, Palletizing, Finishing, Spraying, Welding, Sealing and Gunning.



Course Participant:

Expert lecture was organized for the students of 5th & 7th Semesters, Mechanical Engineering.
Total of 28 participants participated and each one was explained the robotics technologies in Manufacturing.

Date: 17/09/2021

Expert: Dr. Vijay D. Patel (UVPCE-Kherva)