

REPORT on One Day Workshop On

“Role of controllers in Mechanical Engineering and demonstrative use through pick and place robot”

The Mechanical engineering department organised 1 day workshop on **“Role of controllers in Mechanical Engineering and demonstrative use through pick and place robot”** Talk is Given by **“Professor H.C.Patel”** for our 4th and 6th Semester Mechanical Engineering Student on **11th February 2018**. The workshop was coordinated by Prof. Rachit Rathi under the guidance of Head of the department Prof. Ramesh Mevada at our college campus in which Students have learnt about making a robotic arm using controllers. This workshop was proved to be very useful for students to understand fundamental concepts of difficult subjects like Control Engineering and Robotis. The more details about the workshop are as follows:

Objective:

- Provide Practical knowledge about Robotics.
- To provide Programming Knowledge for controllers.

Saliency:

- One to one workshop
- Theoretical and “Hands-on” session

Overview of the Event:

After Welcoming the Guest lecturer By HOD , Workshop was proceeded in two sessions

Session 1 •Types of Robots • Types of Controllers • Function of Controllers • Programming and installation of programs to Controllers • Assembling of Robotic arm •

Session 2 • Installation of controllers to robotic arm • controlling of arm through controllers.

The following are few glimpse of the event:



Welcoming of the Expert by Head of the Department



Welcome speech by Prof. Ramesh Mevada (HOD)



Sessions conducted by Prof. H.C Patel (Expert)



Hands on Session for Students