



Industrial Robotics

A workshop about the field of robotics by *Integrity Robotics*.

| Conducted at ETC Dept. GCOE , Nagpur |

Robotics and Automation is the future , is the mindset of the industrial experts. With this as the main theme , a *Workshop and Hands-on session* was organized in ETC Dept. of Government College Of Engineering , Nagpur during its 1 Week Short Term Training program(STTP) on 17th January 2020 .

The Session started off as the guest lecturer **Er. Kapil Pandav** sir and his team from *INTEGRITY ROBOTICS* was welcomed by Head Of Department Dr. P.R Deshmukh sir with a token of love.



DR.P.R.Deshmukh welcoming Er. Kapil Pandav

The lecturer started by interacting with the attendees which consisted of 20 faculty members from different institutes of Maharashtra and 5 faculty members for the department itself, along with 40 students from ETC

dept. and also the Robotics Club of the College. The sole basic concept of a “Robot” was clarified by presenting real life examples and facts related to the field. Following that , the question “*Why Robots in Industries?*” was answered by explaining the benefits of robots and automation in the Industrial world.



A snap from the session venue

The session , in its 2nd gear shed light on the specific type of robots , known as “*Industrial Manipulators/Arms*”. Its different types including SCARA , Delta and few others were briefed . Furthermore , its special benefits of being flexible and adaptable in terms of payload was explained . The students were delighted when they were given a chance to get involved in a hands-on session on the latest *DOBOT Magician* which is an industrial arm’s miniature.



*Students trying out the miniature Industrial Arm-
DOBOT Magician*

The session took its 3rd gear by discussing the aspect of education in robotics , the recent trends in it and what steps is the government taking in its welfare. Unique challenges being faced in our country were also addressed.

The workshop took a comic turn when all the students and faculty members enjoyed to know the probabilities of various jobs being replaced by robots in the future.

According to the attendees , they learned many new things and got to know a different perspective of the robotics field . They thanked the lecturer and the institute for conducting such interesting workshop.

The session came to an end and Dr. Raut (Dean SA) extended the vote of thanks to Er.K.Pandav and his team for taking out time for this fruitful session by presenting sir with the college's traditional gift "Bhagavad Gita"



Dr.Raut presnting Er.K.Pandav with the holy Bhagavad Gita