

SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY  
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Report regarding workshop on “ROBOTICS”

Date: - 19/11/2014

A workshop on "ROBOTICS", was organized by Department of Electronics & Communication Engineering under S4 Extension Center on 16<sup>th</sup> August, 31<sup>st</sup> August and 6<sup>th</sup> September 2014 for 1<sup>st</sup> year & 3<sup>rd</sup> sem students of all branches. The basic idea behind this workshop was to give over view of ROBOTICS and how to make different type of ROBOTS.



**Objectives:-**

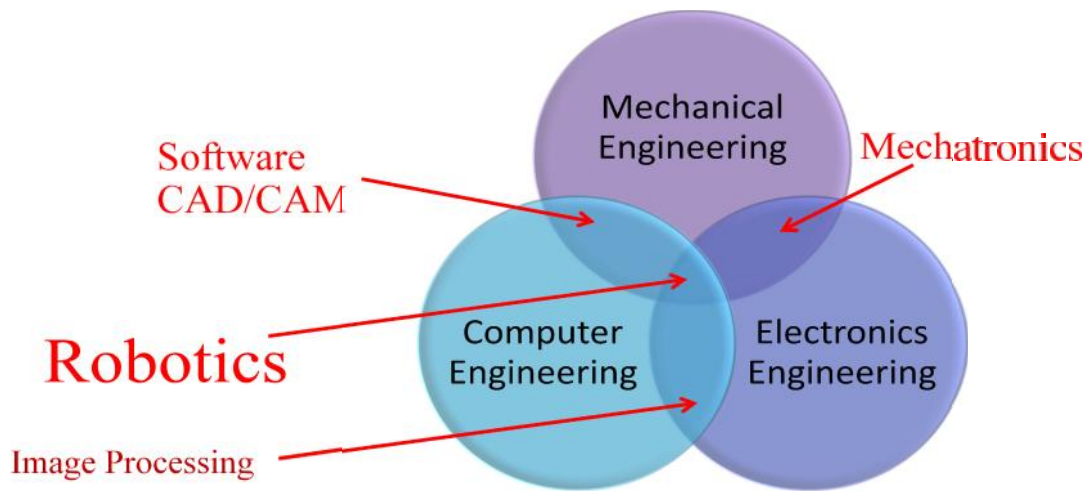
- What is ROBOTICS?
- ROBOTICS Terminology
- ROBOTICS Components

- Types of ROBOT
- Purpose of ROBOT
- General idea for how to make different types of ROBOTS
  - DTMF Based Controlled Robot
  - Gester Based Controlled Robot etc...
- How to Make simple wired ROBOT

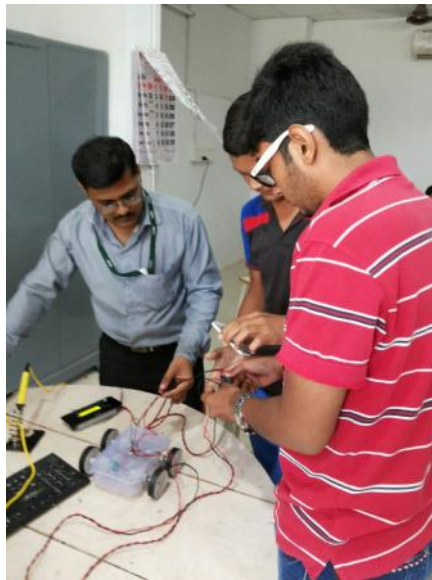
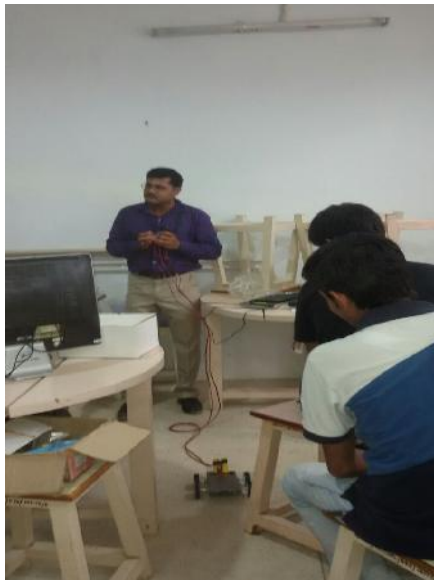


Robotics is an excellent way to introduce the student to integrated STEM (**S**cience, **T**echnology, **E**ngineering and **M**athematics).

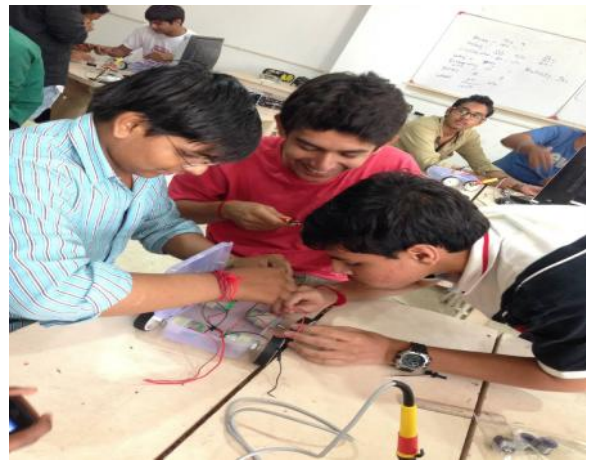
A **robot** is a re-programmable, **multifunction** manipulator designed to move material, parts, tools, or special devices through variable **programmed motions** for the performance of a variety of tasks” - *Robot Institute of America*



Robotics is the branch of Mechanical Engineering, Electrical Engineering, Electronics Engineering and Computer Science that deals with the design, construction, operation and application of Robots.







It was effort of Mr.(Prof.) Raj Hakani of Electronics and Communication department to make it success. The targeted audience was of 1<sup>st</sup> Year and 3<sup>rd</sup> sem. The basic idea to organize this workshop was to give idea about Robotics and explore their knowledge and imagination for Research work. This workshop was organized in three session(three days), total 156 student did register for attending this workshop and out of which 39,47 and 52 student were present on 16<sup>th</sup> August, 31<sup>st</sup> August and 6<sup>th</sup> September respectively.