

STUDENT INTERNSHIP PROGRAM ON INDUSTRIAL ROBOTICS

Batch size: 24 Members

Duration: 24 Days/ 1 Months

In this programme students will undergo training on ABB Robot Studio software and perform hand on ABB Material Handling, Arc welding, and Spot welding Industrial Articulated Robots. During the Course Students will learn to programming, Operate and (Virtually) ABB Robots. Students will be introduced to Design of various industrial Processes With multiple integrated Mechanical Devices.

Week 1

Basic Robotics: Introduction to Robotics, Components of Robot, Basic Rapid Programming, introduction to IRC5 Controller, Robot studio interface and manual Jogging.

Week 2

Material Handling Robot: Creating workcell with robot studio, offline programming and simulation with robot studio and signal integration, programming of IRB140 Robot for Material Handling Operations.

Week 3

ARC Welding Robot: Arc Welding Basics, Programming IRB1520ID for Arc Welding Operations, Varying Arc Welding Parameters.

Week 4

Spot Welding Robot: Basics of Spot Welding, Working and Programming of IRB6700 Robot for Spot Welding Operations. Creating Workcell in robot studio for automated spot welding operations.