

Course Name : **Spot Welding Industrial Robot**

Course Duration : 40 Hrs.

Course Overview

- **Course Description**

- This is Under-graduate & graduate engineering program that focuses on the design, development and application of robotics systems and automation technologies.
- This course is intended for Manufacturing Engineers & Process planners.

- **Basics Prerequisites**

- *Education*: M/B.Tech 2nd year Students completed in-any one of the following Streams.
 - Aeronautical, Automobile, Industrial, Marine, Mechanical, Mechatronics, Electrical, Metallurgy, Production and Manufacturing Engineering.
- Pre-requisites:- Complete Basic & Intermediate Course - FOR
 - ITI, Diploma and B.E students.
- *Software*: None

Content

- Introduction of Spot Welding
- Specifications of a robot
- KUKA Simpro
- Spot Welding Cell Components
- Creating Work Cell
- KUKA KRL Instructions, Functions, Data Types
- KUKA KRL Programming Types
- Spot-Tech Programming
- Spot Welding Application
- Robot Operation