

US423 IRB 140 Mechanical Maintenance

The course goal is to teach students how to properly disassemble and reassemble the mechanical unit. It will also teach proper preventive maintenance procedures.



Topics include

- Proper safety precautions used while performing mechanical repair
- Operation of robot control and mechanical unit
- Description and operation of mechanical components
- How to use manual for repair and ordering of spare parts

Course objectives

After successfully completing the course, the participant should be able to:

- Perform safety precautions used while doing mechanical repair
- Properly start-up, operate, and shutdown the robot
- Describe the operation of mechanical components
- Disassemble and reassemble mechanical unit
- Use the manual for repair and ordering of spare parts
- Perform preventive maintenance procedures on the robot
- Calibrate robot with digital level

Student profile

- Industrial personnel required to mechanically repair the robots and to perform regular preventive maintenance

Prerequisites

- Mechanical background or experience is helpful

Duration

The course duration is 2 days.

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