Course Outline
Duration 2 days
Beneficial for robot operators and maintenance staff
Instructor led online seminar with practical exercises.
The language of the course is English

Prerequisites
Students must have experience using Microsoft Windows.
Each Student will require a computer with Internet connection.
Headset with microphone and webcam is preferable
RobotStudio installed preferably with premium or trial license.
Robotware 6 will also need to be installed.
RobotStudio download link

Subject areas
Safety Instructions
Safe working practices
Emergency stops and recovery
Enabling device
Modes of operation and Safety interlocks
Brake release and Pinch points
Collision awareness

System Description
Robot and external mechanical units
Operators panel and FlexPendant

Program Operation
Starting, stopping and stepwise program operation
The program Editor and Production windows
Teach, Test and Production operational modes
Override speeds
Continuous & Cycle running modes
Debug menu program reset

Jogging the robot using the joystick
Joint axis and linear jogging
Tool Re-Orientation
Coordinate systems
Jog speed and incremental positioning

Event messages and logs
Error identification
Recovery

Modifying a Program
The program Editor
Move instructions (MoveJ, MoveL)
Modifying Positions

Tool Centre Points
Tool centre point appreciation

Work object coordinates
Workobject appreciation

Using Inputs and Outputs
Operating the Input Output window
Set, Reset and WaitDI Instructions

Program Structure appreciation
Modules
Backup and Restore

Calibration theory
Updating Revolution counters

Objectives
On completion, participants will be able to perform:
Safe program operation
FlexPendant operation
Jog the robot with the Joystick
Perform program reset
Modify program positions
Operate the Inputs and Outputs window
Backup and Restore system information
Update revolution counters