



WO GROUP

WAGHCHOURE ORGANIZATION

Opposite to Dapodi Metro Station, old Mumbai-Pune Highway Behind Bharat Petrol
Pump, Dapodi, Pune, Maharashtra, India 411012

+91 8446462448/+91 8483902448

project@wogroup.in

www.wogroup.in

WO's IRATI INDUSTRIAL ROBOTICS **PROGRAMMING COURSES**

- 1) Industrial Robotics Programming course for Operator**
- 2) Industrial Robotics Programming course for Supervisor**
- 3) Industrial Robotics Programming course for Robot Programmer**
- 4) Industrial Robotics Programming course for Robotic Engineers
(Installation/Service/Maintenance/Projects)**

1) Industrial Robotics Programming Course for Operator

- 1) Basic Introduction of Robot
- 2) Safety
 - 2.1 General Instructions
 - 2.2 Auto/T1/T2 Switch
- 3) Teach Pendant
 - 3.1 Top Portion
 - 3.2 Middle Portion
 - 3.3 Bottom Portion
- 4) Co-ordinate System
 - 4.1 Joint
 - 4.2 Tool
 - 4.3 User
 - 4.4 JGFRM
- 5) Creating Program
 - 5.1 Program Elements
 - 5.1.1 Motion
 - 5.1.2 Position
 - 5.1.3 Speed
 - 5.1.4 Termination
 - 5.2 TouchUp
 - 5.3 Motion Default

Fees:- 15000+ GST(18%)

Course Duration :- Total Hrs – 32

2 Weeks (4 hrs/day, 4 days/week or 8 Hrs/day, 2days/week)



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2) Industrial Robotics Programming Course for Supervisor

- 1) Basic Introduction of Robot
- 2) Safety
 - 2.1 General Instructions
 - 2.2 Auto/T1/T2 Switch
- 3) Teach Pendant
 - 3.1 Top Portion
 - 3.2 Middle Portion
 - 3.3 Bottom Portion
- 4) Co-ordinate System
 - 4.1 Joint
 - 4.2 Tool
 - 4.3 User
 - 4.4 JGFRM
- 5) Creating Program
 - 5.1 Program Elements
 - 5.1.1 Motion
 - 5.1.2 Position
 - 5.1.3 Speed
 - 5.1.4 Termination
 - 5.2 TouchUp
 - 5.3 Motion Default
- 6) Data
 - 6.1 Numeric registers
 - 6.2 Position Registers
- 7) Frames
 - 7.1 Tool frames and tool centre points(tcp)
 - 7.2 Jog frames
 - 7.3 User frames
- 8) Program Details
 - 8.1 Program Create
 - 8.2 Deleting a Program
- 9) Inputs & Outputs
- 10) Mastering, Calibration And Home Position

Fees:- 25000+ GST (18%)

Course Duration :- Total Hrs – 32

2 Weeks (4 hrs/day, 4 days/week or 8 Hrs/day, 2days/week)



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3) Industrial Robotics Programming Course for Robot Programmer

- 1) Basic Introduction of Robot
- 2) Safety
 - 2.1 General Instructions
 - 2.2 Auto/T1/T2 Switch
- 3) Teach Pendant
 - 3.1 Top Portion
 - 3.2 Middle Portion
 - 3.3 Bottom Portion
- 4) Co-ordinate System
 - 4.1 Joint
 - 4.2 Tool
 - 4.3 User
 - 4.4 JGFRM
- 5) Creating Program
 - 5.1 Program Elements
 - 5.1.1 Motion
 - 5.1.2 Position
 - 5.1.3 Speed
 - 5.1.4 Termination
 - 5.2 TouchUp
 - 5.3 Motion Default
- 6) Data
 - 6.1 Numeric registers
 - 6.2 Position Registers
- 7) Frames
 - 7.1 Tool frames and tool centre points(tcp)
 - 7.2 User frames
- 8) Program Details
 - 8.1 Program Create
 - 8.2 Deleting a Program
- 9) Inputs & Outputs
- 10) Function Bar
 - 10.1 EDCMD MENU
 - 10.2 INST MENU
 - 10.2.1 INPUTS & OUTPUTS
 - 10.2.2 THE WAIT INSTRUCTION
 - 10.2.3 LABELS & JUMP LABELS
 - 10.2.4 IF STATEMENT
 - 10.2.5 CALL PROGRAM
 - 10.2.6 Miscellaneous
 - 10.2.6.1 User Alarm
 - 10.2.6.2 REMARK
 - 10.2.6.3 Message
- 11) Mastering, Calibration And Home Position
- 12) I/O Communication
- 13) Logic Building
- 14) Troubleshooting And Error Solving
- 15) Installation
- 16) Back Up

Fees:- 35000 + GST (18%)

Course Duration :- Total Hrs – 64

4 Weeks (4 hrs/day, 4 days/week or 8 Hrs/day, 2days/week)



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4) Industrial Robotics Programming Course for Robot Engineer(Installation/Service/Maintenance/Projects)

- 1) Basic Introduction of Robot
- 2) Safety
 - 2.1 General Instructions
 - 2.2 Auto/T1/T2 Switch
- 3) Teach Pendant
 - 3.1 Top Portion
 - 3.2 Middle Portion
 - 3.3 Bottom Portion
- 4) Co-ordinate System
 - 4.1 Joint
 - 4.2 Tool
 - 4.3 User
 - 4.4 JGFRM
- 5) Creating Program
 - 5.1 Program Elements
 - 5.1.1 Motion
 - 5.1.2 Position
 - 5.1.3 Speed
 - 5.1.4 Termination
 - 5.2 TouchUp
 - 5.3 Motion Default
- 6) Data
 - 6.1 Numeric registers
 - 6.2 Position Registers
- 7) Frames
 - 7.1 Tool frames and tool centre points(tcp)
 - 7.2 Jog frames
 - 7.3 User frames
- 8) Program Details
 - 8.1 Program Create
 - 8.2 Deleting a Program
- 9) Inputs & Outputs
- 10) Function Bar
 - 10.1 EDCMD MENU
 - 10.2 INST MENU
 - 10.2.1 INPUTS & OUTPUTS
 - 10.2.2 THE WAIT INSTRUCTION
 - 10.2.3 LABELS & JUMP LABELS
 - 10.2.4 IF STATEMENT
 - 10.2.5 CALL PROGRAM
 - 10.2.6 Miscellaneous
 - 10.2.6.1 User Alarm
 - 10.2.6.2 REMARK
 - 10.2.6.3 Message
- 11) Mastering, Calibration And Home Position
- 12)I/O Communication
- 13) Logic Building
- 14)Troubleshooting And Error Solving
- 15)Installation
- 16)Back Up
- 17)Internal working/ greasing of gearbox
- 18)Robot Installation & Integration
- 19)Servo motor replacement

Course Fees:- 45000 + GST (18%)

Course Duration :- Total Hrs – 64

4 Weeks (4 hrs/day, 4 days/week or 8 Hrs/day, 2days/week)



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Course schedules:-

1) Regular Batch (Daily) :-

Days :- Monday, Tuesday, Wednesday, Friday

Time Slots :- 1) 10am to 2pm

2) 2pm to 6pm

3) 6pm to 9pm

2) Weekend Batch (Sat/Sun) :-

Days :- Saturday and Sunday

Time :- 10am to 6pm

For More Details Please feel free to contact us :-

1) +91 8483902448

2) +91 8446462448

3) mail us on info@irati.co.in