



# Hybrid

## Certificate Course on

# Industrial Robotics and CNC Programming



### Duration and Structure:

Certificate Course on Industrial Robotics and CNC Programming (100 hours)

Proposed Maximum Duration: 3 months

### Program Highlights:

- Hybrid Delivery
- No GATE Score Required
- Flexible Learning Options
- Experienced Faculty
- Industry-Relevant Curriculum
- Practical Hands-On Experience
- VNIT Certificate
- Placement Support
- Alumni Benefits
- Earn Certificate Without Leaving Your Job
- Frequent Visit to VNIT

### Target Audience:

- Diploma/ B.Tech (Any branch) (2nd year completed), M.Tech Electrical, Electronics, Mechanical, and related branches (First Semester Completed).
- Bonafide students of VNIT Nagpur are not eligible
- Working professionals

### Fee Structure:

Admission fee (one time): **Rs. 15000 + 18% GST**

Course Fee: **+ Rs. 20000 + 18% GST**

### Course offerings:

- Introduction to Robot and Robotics, Robot Kinematics, Robot Structure
- IRC5 Controller, ABB Robot Studio, Flex Pendant with IRC5 Controller
- RAPID Instructions Overview, Communication, Communication & I/O system with IRC5 controller
- Introduction to Arc Welding, Basic components, RAPID programming
- Introduction to Spot Welding, Basic components, RAPID programming
- KUKA robot, AR6 900 programming
- CNC Hardware & Control systems
- Basics of tooling, machine tools
- Siemens Controller Sinumerik 828D
- Siemens Controller Sinumerik 840D
- 3 axis Milling, CNC Lathe machine
- 5 axis Machining center
- Troubleshooting calibration
- NX CAM and Post builder, Milling 3 axis, Milling multioperation.

### Important Dates:

- Applications Start: 24th July, 2023
- Last Date To Apply: 25th August, 2023
- Test / Interview by: 31st August, 2023
- Classes Start (Tentative): 7th September, 2023

**Application process:** If you are interested, please fill out the application form by clicking on the following link [[Click Here](#)]. Alternatively, you can also scan the QR code provided.

For more details, please visit our website: [<https://vnit.ac.in/admission>]



**Contact: Prof. Shital S. Chiddarwar**

Department of Mechanical Engineering

Visvesvaraya National Institute of Technology (VNIT),  
South Ambazari Road, Nagpur - 440010, Maharashtra, India

**Email:** [shitalsc@mec.vnit.ac.in](mailto:shitalsc@mec.vnit.ac.in)

**Mobile:** +91 9561050130