

## Certificate Course in Industrial Robotics & Digital Manufacturing

### Course Syllabus

- 3D CAD essentials and drafting with NX
- Digital Shipyard Automation
- Shipyard Logistics
- NX Mechanical and Electrical Routing Systems
- CNC Programming and Machining (Turning, Milling, NX CAM)
- Dimensional Accuracy Control
- Digital Manufacturing and Robotics
- Additive Manufacturing
- Vibrations Condition Monitoring
- Design Thinking / Operations Management

### Sectors Require Skilled Manpower in Industrial Robotics and Digital Manufacturing

- Heavy Engineering and Manufacturing
- Aerospace Manufacturing
- Life Sciences and Pharmaceutical
- Machinery and Equipment
- Automobiles
- Marine
- Defence
- Computer & IT systems Manufacturing
- Packaging and Material Handling
- Warehousing and Logistics