

**RAT**PG Certificate Programme in  
**Robotics & Allied  
Technologies**

## Course Highlights

- Well established courses with excellent placement records.
- 24-week full-time courses with 900 hours' theory + lab + project + 300 hours self learning.
- 6-8 hours per day theory + lab sessions on 6 days a week in most centres.
- Continuous lab and internal assessments during the course.
- Centralised Assessment for Module Theory Examination.
- Courses designed and developed in consultation with the domain experts in C-DAC, academia and ICT industry.
- Expert faculty from C-DAC and ICT industry with widespread domain knowledge.
- Tutorials, hands-on and projects relevant to the standards of the ICT industry.
- Special training on aptitude, effective communication and interview skills.
- Extensive placement orientation and region-wise common campus placements.

**Core Modules:** CAD, ROS, C & Python, AI/ML, Sensors and Microcontrollers

The PGCP-RAT course aims to familiarize the students with the tools and techniques required to develop efficient, robust and industry-standard robots, fostering expertise in various critical areas of robotics.

## Course Modules

- Mechanical Design
- Electrical Design
- Programming Concepts
- Electronics Design: Sensor and Actuator Interface
- Robot Operating System (ROS)
- Mission and Motion Planning
- AI/ML Based robotic vision
- Aptitude & Effective Communication
- Project and Seminar



Scan for more details

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CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

[www.cdac.in](http://www.cdac.in); [acts.cdac.in](http://acts.cdac.in)[actssupport@cdac.in](mailto:actssupport@cdac.in)

+912025503134/107