

**ACADEMY OF EXCELLENCE FOR ADVANCED MANUFACTURING TECHNOLOGY, at CMTI
AND
KARUNYA UNIVERSITY, COIMBATORE**

ARE JOINTLY OFFERING

Post Graduate Diploma in Advanced Manufacturing Technology (PGDAMT)

With the objective of making Fresh Engineers "INDUSTRY READY"

1. Course: Post Graduate Diploma in Advanced Manufacturing Technology (PGDAMT)

- a. One-year (Two Semester) program
- b. Jointly offered by AEAMT (CMTI) and Karunya University
- c. Co-branded Certificate on successful completion
- d. Placement support provided

2. Course format:

a. First Semester – at Karunya University, Coimbatore (31 credits)

Theoretical inputs for the topics mentioned below will be provided by KU.

- ❖ Metal Cutting Theory and Practice
- ❖ Computer Integrated Manufacturing Systems
- ❖ Industrial Robotics
- ❖ Mechatronics and Machine Controls
- ❖ Metrology and Measurement Systems
- ❖ Advanced Managerial Skills
- ❖ Modelling and Analysis

b. Second Semester – at AEAMT (CMTI), Bangalore (20 Credits)

The students will be exposed to experiential learning in advanced technology areas (mentioned below) through appropriate theoretical background, laboratory demonstrations, hands-on and participation in live industry focused R&D projects.

- ❖ Metal Cutting
- ❖ Process Planning
- ❖ CNC Programming
 - Manual programming
 - CAD/CAM systems
- ❖ Rapid Prototyping and Tooling
- ❖ Micromachining
- ❖ Metrology and Measurement Systems
- ❖ Mechatronics and Control Systems
- ❖ Industrial Visits
- ❖ Applied R&D Projects

3. Intake: Maximum 20 per course

4. Course is open to:

1. Students who have completed B.E / B.Tech in Mechanical Engg., Production Technology, Industrial Engg., etc.
2. Practicing Engineers from Industry
3. Faculty from Academia from Manufacturing related areas
4. Industry Sponsored Engineers



CNC Operation & Programming

- **2013-14 BATCH STUDENTS ARE PLACED IN MANUFACTURING INDUSTRIES**
- **2014-15 BATCH HAS STARTED DURING JULY 2014 AND STUDENTS ARE UNDERGOING SECOND SEMESTER AT CMTI**
- **2014-15 BATCH WILL BE AVAILABLE FOR PLACEMENTS DURING MAY 2015**
- **2015-16 BATCH COMMENCES FROM JULY 2015**

Snapshots of Events



Reading drawings and GD&T



CNC Operation & Programming



Fluid power circuits



PLC & SCADA

**2013-14 BATCH
ARE PLACED IN
INDUSTRIES**



Project review by CMTI officers

**2015-16 BATCH
WILL START
FROM JULY 2015**

**2014-15 BATCH IS
UNDERGOING SECOND
SEMESTER AT CMTI**

PLACEMENTS IN

- **AUTOMOTIVE**
- **ENGINEERING SERVICE!**
- **MEDICAL DEVICES**
- **PRECISION METROLOGY**

SECTORS

Application forms for 2014-15 batch at Karunya University Coimbatore (Contact Admission Officer)
The Admission Officer, Karunya University, Karunya Nagar, Coimbatore - 641 114
Phone: 0422-2614440, 0422-2614441 Email: admissions@karunya.edu

For Details, Please Visit: www.cmti-india.net / www.karunya.edu

Or Contact: **S Satish Kumar**, 080-22188227, Satish.cmti@nic.in, aeamt.cmti@nic.in

V A P Sarma, 080-22188330 / 328 sarmavap.cmti@nic.in aeamt.cmti@nic.in