

Facilities for Industries/ MSMEs and Startups:

- SMT Line Setup for production of PCBs.
- Training Hall having capacity of 40 persons with ICT Facilities.
- Conference Hall having capacity of 20 persons with ICT Facilities for meeting

For usage of above facilities on rent for half day/ full day the quotes will be provided on request.

Supporting Industries for establishing CoEAEM and conducting Technical activities:

- **MacDermid Alpha Electronics Solutions**
- **Jabil Circuit India, Pune**
- **Bajaj Auto Ltd., Pune**

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Center of Excellence in Advanced Electronics Manufacturing (CoEAEM)

Department of Electronics and Telecommunication Engineering
School of Electrical and Communication Engineering
COEP Technological University
(COEP Tech)

*A Unitary Public University of Government of Maharashtra
Formerly College of Engineering Pune*



- The CoEAEM aims to provide trained manpower in SMT line production process which is the need of electronic manufacturing Industry today.
- The basic and advanced SMT Line training will be given to the students and practicing engineers in the industry for up skilling the domain knowledge.
- Supports new start ups and small/medium electronic manufacturing industries to prepare prototype of their product and supporting the Make in India Initiative.
- A unique facility available in the academic institute in the state of Maharashtra.
- The centre has state of art SMT production line setup, ICT enabled training hall and conference hall.

Training Programs offered for students and practicing Engineers

Category of Trainee	Training Program	Duration of Course	Subsidized Cost (INR)
Graduating Engineer (BE/Final Year)	SMT Basics Course	5 Days	13000 + GST
Graduating Engineer (BE/Final Year)	Advanced SMT Course	5 Days	15000 + GST
Industry Practitioner (Practicing Engineer)	Advanced SMT Course	5 Days	15000 + GST
Technician (Diploma/ITI holders)	Basic Technician Course	2 Days	5200 + GST

***In-class training and hands-on sessions on SMT line conducted by experienced COEP Tech faculty and experts from industry.**

What will you learn?

Introduction to Electronic Industry, Introduction Manufacturing Standards, Electronic Manufacturing process, PCB Handling and Conveying system, Electronic packages and SMD devices, Printed Circuit Board and Terminology, Solder Paste Printer (SPP), Screen Printing Process-Stencil Design, Solder paste Inspection (SPI), Pick and place Machine (PPM), Pick and place Feeders, Heads and Nozzles and machine Programming concepts, Reflow Oven (RO), Reflow Heating Process, Reflow Solder Defects, Reflow profiling, Automatic Optical Inspection (AOI).

Training Dates: Throughout the year starting from September 2023. Quarterly schedule will be displayed on www.coep.org.in

Certificate: After successful completion of training program and examination, the certificate will be issued by CoEAEM.

Major facility at CoEAEM: SMT Line Setup



**Solder paste Inspection (SPI)
KohYoung Inline 3D SPI**



**Solder Paste Printer (SPP)
Fuji-GPX CII**



**Pick and place Machine (PPM)
Yamaha S10 HSN**



Automatic Optical Inspection (AOI)



**Reflow Oven (RO)
HELLER 1826 MK5**