



METROLOGY LABORATORY
DEPARTMENT OF PRODUCTION ENGINEERING
PSG COLLEGE OF TECHNOLOGY, COIMBATORE- 641 004

The metrology laboratory in Department of Production Engineering has been set up with the aim of providing training and consulting services for industry and academia. The training courses are designed to enhance the skill of students, faculty of engineering colleges and practicing engineers from industry in the field of dimensional metrology used in manufacturing.

Services offered

- Training on basic metrology
- Training on calibration and evaluation of uncertainty of measuring instruments
- Study of Gauge Repeatability and Reproducibility
- Hands on training on optical measuring instruments and surface finish measurement
- Hands on training on operation & programming of Coordinate Measuring Machine
- Inspection of machined and forged parts using Coordinate Measuring Machine
- Training on vision based measurement system



Mitutoyo CRYSTA Apex S 544 CMM

Model	CRYSTA-Apex S 544	
Measuring range	X axis	500mm
	Y axis	400mm
	Z axis	400mm
Resolution	0.0001mm	
Workpiece	Maximum height	545mm
	Maximum mass	180kg
Probe used	TP200 (Stylus: ø4 X 10mm)	
Maximum permissible error (µm)	1.9+4 L/1000, (L in mm)	

For Queries, Please Contact :

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For details of other courses offered

[P.T.O]



CAD/CAM CENTRE
DEPARTMENT OF PRODUCTION ENGINEERING
PSG COLLEGE OF TECHNOLOGY, COIMBATORE- 641 004

The CAD/CAM Centre of PSG College of Technology has the state-of-art hardware, software and human resources with extensive teaching and industrial expertise. Various consultancy services in the area of design and analysis of engineering components, design of patterns and core boxes, plastic molds and dies are carried out at the center. Using CAD/CAM software tools the centre delivers solutions for the most complex and demanding projects, with a broad range of cost effective design solutions. Hands-on-training course is offered to students and practicing engineers in software, so as to make them proficient.

Courses offered

- CAM simulation, CNC programming and Hands-on training in 3-axis VMC
- Advanced CNC programming and operations (Including CREO / MASTER CAM)
- Diploma in CAD/CAM/CAE using CREO / CATIA / NX
- Design, Assembly, Drafting and Manufacturing using CREO
- Design, Assembly, Drafting and Manufacturing using CATIA
- Design, Assembly, Drafting and Manufacturing using NX
- Master CAM
- Finite element analysis using ANSYS
- Finite element analysis using Hyper Works
- Mold Wizard using NX
- Conceptual design and visualization using Alias studio tools
- Virtual reality for product design

For Queries, Please Contact :

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