

Guru Nanak Dev Engineering College Ludhiana
Production Engg Department

S.No.	Name of the Laboratory	Carpet Area available (sq. ft.)
1.	Machine Tool & Machining Science Lab	90
2.	Metal Forming Lab	160
3.	Industrial Automation and Robotics Lab	70
4.	Industrial Engineering Lab	50
5.	Computer Graphics Lab	150
6.	Manufacturing Research Lab	52

Course	Programme	Deptt.	Laboratory Name	Major Equipments
B.Tech	UG	Production Engg	Machine Tool & Machining Science Lab	<ol style="list-style-type: none"> 1. Radial Drilling Machine 2. Tool& cutter Grinding Machine 3. Surface Grinder 4. Pantograph 5. Lathe Machine 6. Lathe Machine 7. Capstan Lathe 8. Lathe tool dynamometer 9. Drill tool dynamometer
B.Tech	UG	Production Engg	Metal Forming Lab	<ol style="list-style-type: none"> 1. Metal Spinning Machine 2. Cuping Test Machine 3. Sheet Rolling Machine 4. Wire Pointing Machine 5. Descaling Machine 6. Wire drawing Machine 7. Bar Drawing Machine 8. Bar Straightening Machine 9. Injection Moulding Machine 10. Hydraulic Press 11. Universal Testing Machine
B.Tech	UG	Production Engg	Industrial Automation and Robotics Lab	<ol style="list-style-type: none"> 1. Computerized Pneumatic Trainer 2. Computerized LSM Trainer 3. Sensor Technology Kit 4. Five Axis Robotic Arm 5. Electro-Hydraulic Trainer 6. Mechatronic Training

				Kit. 7. CNC Trainer 8. CNC Milling Trainer 9. LSM Controller
B.Tech	UG	Production Engg	Industrial Engineering Lab	1. Tread Mill 2. ECG unit 3. Television with set top box 4. TMT machine 5. Spirometer
B.Tech	UG	Production Engg.	CGL Lab	30 Computers
B.Tech	UG/PG	Production Engg.	Manufacturing Research Lab	1. U-Print(Fused Deposition Modeling) 2. Vickers Hardness Tester 3. Microscope 4. U.T.M. 5. Melt Flow Tester 6. Hot Oven 7. Wire Extruder 8. Smoothing Station 9. Barrel Finishing Station 10. Ultrasonic Tank 11. Moulding Machine 12. Pin on Disk 13. Diamond Cutter 14. Air jet Erosion Test Rig

Computing facility provided within the department

S.No.	Name of Facility	No of Computers
1	PCs given to Faculty	13
2	CGL Lab	30
3	IAR Lab	1
3	MT & MS Lab	1
4	Manufacturing Research Lab	5
5	Industrial Engineering Lab	1