



EXPLORE INNOVATION EXCEL



PRODUCTION & INDUSTRIAL ENGINEERING

PEC UNIVERSITY OF TECHNOLOGY

PLACEMENT BROCHURE'16

The department of Production & Industrial Engineering is one of the oldest departments of production engineering in India, established in 1967. The department was renamed as Production and Industrial Engineering in 2014. At present the department offers both undergraduate and postgraduate program in Production & Industrial engineering. The department also runs two interdisciplinary self financed postgraduate programs in Industrial Design (ID) and Total Quality Engineering & Management (TQEM) respectively. The strength of the department lies in potential of the students, commitment of the faculty and developed facilities in the area of machining, welding, casting, manufacturing, human engineering & assistive technology, total quality management, work design & ergonomics, production & operations management and value engineering. Our graduates are well placed and holding responsible positions in industries viz. L&T, Maruti Udyog Gurgaon, TCS, Eicher Tractors, Escorts, Voltas, Telco, Honda & Minda etc. The department of Production & Industrial Engineering is alive to the needs of coming time. Accordingly more facilities are being developed in the latest fields

PROGRAMS OFFERED

B.Tech.

M.Tech.

PhD



COURSES OFFERED

Manufacturing Processes

- Metallurgy and casting technology
- Forming and Welding
- Machining Technology
- Industrial Metrology
- Non Conventional Manufacturing

Automation

- CAD/ CAM
- Computer integrated Manufacturing
- CNC Machines & Programming
- Design for Automation
- Robotics
- Smart Materials

Designing

- Tool Design
- Product Design
- Design of Machine Elements

Operations

- Operations Research
- Total Quality Management
- Industrial Engineering I
- Industrial Engineering II
- Production & Operations
- Technology Management

Mechanics

- Kinematics & Dynamics
- Fluid Mechanics
- Strength of Machines



RESEARCH AREAS

Advanced Manufacturing

Welding
Casting

Industrial Management

Industrial Design
Human Engineering
Value Engineering
Manufacturing System Design
Quality engineering
Industrial Engineering

CAD/CAM

Robotics

Soft Computing in Manufacturing

Non-conventional machining

Abrasive Flow Machining
FRP



INTERNSHIPS

INDUSTRY & RESEARCH INTERNSHIPS

LexInnova | Anand Group | L&T | VECV | Bajaj | Wardhman | ELASTA Paris | M&M Mohali | IISc Bangalore | TUM, Munich Germany | LBD Makers | Tata Motors | Eicher Tractors | Alstom

FINANCE AND ANALYTICS

JP Morgan | Goldman Sachs

INFRASTRUCTURE- LAB AND EQUIPMENT

CAD/CAM Laboratory

TRIAC VMC & Mitsubishi Robotic Arm
ATLAS Robotic System
Robotic Arm Development Kit
CATIA V6
3D Printer
Statistica 12, Stat Software inc.
Festo Pneumatic & Hydraulic Simulation
MATLAB

Welding Laboratory

Ultrasonic butt welding
DC TIG Welding
M I G Welding
Spot Welding Machine
Submerged Arc Welding M/c

Foundry Lab

Bottom Powering
3 in 1 Casting
Sand Permeability Tester
Electric Muffle Furnace
Rapid Sand washer
Magnesium Casting Setup

Metrology Laboratory

Metallurgical Microscope
Autoclimeter 6D
Profile Projector
Brinell & Rockwell Hardness Tester
Surface Roughness Tester

Machine tool and metal cutting

Universal Milling Machine (Type-FU-1)
Bench Grinder (AMC TG2CWW & EMCO)
Bench Drill Machine (PRAGA brand)
Power Hacksaw Machine (9" Cap.)
Planer Machine (8 ft. Bed)

CoE Design Lab

Additive manufacturing machine based on extrusion process
Additive manufacturing machine based on jetting process
PCB fabrication system
ALTIUM designer software

Human Engineering Lab

Whole body & Hand arm vibrations analysis kit
Electronic dynamometer
Portable EMG system
Pressure mapping system

Modern Manufacturing Laboratory

Electrical Discharge Machine
Horizontal Boring Machine
Load Cell with Data logger
Foot operated Shearing Machine
Disc Polishing Machine

