



Ministry of Micro, Small and Medium Enterprises,  
Government of India



# Be Future Ready with Artificial Intelligence(AI) & Machine Learning(ML)

**Pursue Diploma in Computer Science &  
Engineering (CSE) at Central Tool Room,  
Ludhiana — Practical Skills. Industry  
Exposure. Real Careers.**

# About Central Tool Room, Ludhiana

## Central Government Institute

A reputed government-backed institution with decades of technical excellence and credibility.

## Skill-Based Training

Curriculum designed for hands-on practical learning — not just theory.

## Industry Readiness

Prepares students for Real-World Engineering and IT careers from day one.



# Course Overview

## 3-Year Diploma in Computer Science and Engineering



A comprehensive, full-time diploma programme focused on AI & ML programming, software(app or website) development, and IT skills — designed for students with a passion for technology and innovation.

- **Duration:** 3 Years
- **Stream:** Computer Science & Engineering
- **Mode:** Full-time, Practical-focused
- **Ideal for:** Students passionate about tech & problem-solving

# Why Choose CSE?

Computer Science Engineering is one of the fastest-growing fields globally — offering unmatched career opportunities across sectors.



## Most In-Demand Field

IT and software roles are among the highest-growth careers in India and worldwide.



## High Salary Potential

CSE graduates command competitive salaries in both private and government sectors.



## India & Beyond

Opportunities span multinational companies, start-ups, and government departments across the globe.



## Ever-Growing Industry

Technology never stops evolving — meaning your skills remain relevant and valuable for decades.



**6 Month Internship Opportunity to gain industry experience.**



# What You Will Learn

A hands-on journey from programming fundamentals to cutting-edge AI — building the skills that power modern software careers.

## Core Foundations

- **Programming:** C, C++, and Web Basics
- **Database Management:** DBMS concepts and design
- **Computer Networks:** Protocols, architecture, and connectivity
- **Software Development:** Best practices and real-world workflows

## Special Focus: AI & ML

- Introduction to Artificial Intelligence and Machine Learning
- Data handling, preprocessing, and model training concepts
- Real-world applications: Chatbots, Prediction Systems, Automation
- Modern AI tools and technologies in practice

# Learning Outcome

- Industry 4.0 is transforming every sector with AI, automation & smart technologies
- Computer Science Engineering plays a key role in this digital revolution
- Integration of software with machines is shaping the future of industries
- Data-driven decision making is becoming the backbone of modern businesses
- Smart systems and automation are increasing efficiency and productivity.



# Career Opportunities After This Diploma

1

## Software Developer

Build applications and software solutions for businesses and clients.

2

## Web Developer

Design and develop websites and web-based applications.

3

## IT Support Engineer

Provide technical support across industries and organisations.

4

## Data Analyst

Begin a career in data — one of the fastest-growing roles in technology.

5

## B.Tech via Lateral Entry

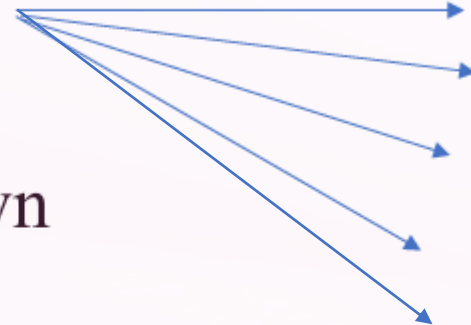
Diploma holders can directly enter the 2nd year of a B.Tech programme.

# Fee Structure — General & OBC Category

**₹54K**

1<sup>st</sup> Year

Payment Breakdown



₹8,350 Annual Charges

₹11500 Tution fees 1<sup>st</sup> Quarter

₹11500 Tution fees 2<sup>nd</sup> Quarter

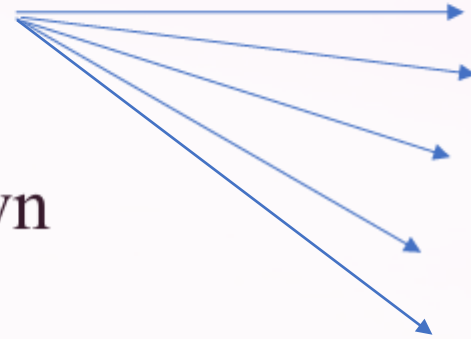
₹11500 Tution fees 3<sup>rd</sup> Quarter

₹11500 Tution fees 4<sup>th</sup> Quarter

**₹52K**

2<sup>nd</sup> & 3<sup>rd</sup> Year

Payment Breakdown



₹6150 Annual Charges

₹11500 Tution fees 1<sup>st</sup> Quarter

₹11500 Tution fees 2<sup>nd</sup> Quarter

₹11500 Tution fees 3<sup>rd</sup> Quarter

₹11500 Tution fees 4<sup>th</sup> Quarter

# Fee Structure — SC Category Trainee

Under this category fee structure is income-linked, ensuring accessibility for all eligible students.

If Annual Family Income < ₹2.5 Lakh

Year	Fee Breakup
1st Year	₹8,350 Annual Fee
2nd Year	₹6,150 Annual Fee
3rd Year	₹6,150 Annual Fee

If Annual Family Income > ₹2.5 Lakh

Year	Fee Breakup
1st Year	₹11,500 + ₹8,350 Admission time fees
2nd Year	₹6,150 Annual Fee
3rd Year	₹6,150 Annual Fee

# Fee Structure — Lateral Entry (General/ OBC)

**₹54K**  
2<sup>nd</sup> Year  
Payment Breakdown

- ₹8,350 Annual Charges
- ₹11500 Tution fees 1<sup>st</sup> Quarter
- ₹11500 Tution fees 2<sup>nd</sup> Quarter
- ₹11500 Tution fees 3<sup>rd</sup> Quarter
- ₹11500 Tution fees 4<sup>th</sup> Quarter

**₹53K**  
3<sup>rd</sup> Year  
Payment Breakdown

- ₹6150 Annual Charges
- ₹11500 Tution fees 1<sup>st</sup> Quarter
- ₹11500 Tution fees 2<sup>nd</sup> Quarter
- ₹11500 Tution fees 3<sup>rd</sup> Quarter
- ₹11500 Tution fees 4<sup>th</sup> Quarter

# Fee Structure — Lateral Entry (SC Category)

Under this category fee structure is income-linked, ensuring accessibility for all eligible students.

If Annual Family Income < ₹2.5 Lakh

Year	Fee Breakup
2nd Year	₹8,350
3rd Year	₹6,150

If Annual Family Income > ₹2.5 Lakh

Year	Fee Breakup
2 <sup>nd</sup> Year	₹11,500 + ₹8,350 <small>Admission time fees</small>
3 <sup>rd</sup> Year	₹6,150 <small>Annual Fee</small>

# Why Central Tool Room?



## Affordable Fees

One of the most cost-effective diploma programmes in the region, with flexible payment options.



## Government Credibility

PSBTE & IT Affiliated and AICTE Approved



## Practical Training

Workshops, lab sessions, and live projects give students real-world experience before they graduate.



## Industry-Relevant Curriculum

Course content is aligned with what employers actually need — ensuring graduates are job-ready.

# Top CSE & IT Companies



Tata Consultancy Services (TCS)



Infosys



Cognizant



Wipro



HCL Technologies



Tech Mahindra

# Global Tech Leaders



Google



Amazon



IBM



Microsoft

# List of Documents for Admission (for 1<sup>st</sup> year)

## For General

- 10<sup>th</sup> Certificate
- Aadhar Card
- Residence Proof (Domicile)
- Passport Size Photo(2)

## For SC

- 10<sup>th</sup> Certificate
- Aadhar Card
- Residence Proof (Domicile)
- Passport Size Photo(2)
- Income Certificate (if less than 2.5 lakh)

# List of Documents for Admission (for Lateral Entry-2<sup>nd</sup> year)

## For General

- 12<sup>th</sup> DMC(with Science)/ Vocational Certificate/ ITI Certificate
- Aadhar Card
- Residence Proof (Domicile)
- Passport Size Photo(2)

## For SC

- 12<sup>th</sup> DMC(with Science)/ Vocational Certificate/ ITI Certificate
- Aadhar Card
- Residence Proof (Domicile)
- Passport Size Photo(2)
- Income Certificate (if less than 2.5 lakh)

# Admissions Are Open Now

Seats are limited — secure your child's future in the IT industry today.

## 📍 Visit

Central Tool Room, Ludhiana  
A-5 , Phase V, Focal Point, Ludhiana,  
141010

## 📞 Contact

Computer Science & Engineering call  
at → 90236 22652, 9872 97058

