



## COMPUTER SCIENCE & ENGINEERING

Computer science is the study of computers and computational systems, encompassing everything from the algorithms that underpin software to the intricate interaction between software and hardware, as well as the methodologies for effective software development and design. Computer scientists harness mathematical algorithms and coding techniques to tackle complex problems, leveraging their expert programming skills to understand computer processes and craft innovative software and systems that power modern technology and lifestyle.

Computing permeates virtually every aspect of our lives, from the devices we use daily like computers, calculators, and smartphones, to the intricate systems behind electronic devices, transportation, manufacturing, and medical equipment. It's a driving force behind innovation across diverse fields such as engineering, business, arts, entertainment, education, commerce, trade, and the sciences.

In today's digital age, the digitization of services and product development owes much to the expertise of computer programmers. Their knowledge and proficiency define the trajectory of technological advancements, shaping the way we interact with and benefit from the ever-evolving landscape of technology.

## B.Tech : Computer Science & Engineering Curriculam

RAAK College of Engineering & Technology offers a four-year Computer Science Engineering degree program, aligned with the Pondicherry University syllabus.

The Curriculam focus areas are :

- ✔ Programming for Problem Solving
- ✔ Microprocessor and Microcontroller
- ✔ Data Structures and Algorithms
- ✔ Operating Systems
- ✔ Web Technology
- ✔ Artificial Intelligence and Machine Learning
- ✔ Compiler Design
- ✔ Database Systems
- ✔ Computer Networks

## Career Pathways

- ▶ Software Developer
- ▶ Data Scientist
- ▶ Software Architect
- ▶ Computer Hardware Engineer
- ▶ AI Engineer
- ▶ Application Developer
- ▶ Computer Network Architects
- ▶ Game Developer
- ▶ Systems Analyst
- ▶ Web Designer
- ▶ UX Designer
- ▶ Business Analyst
- ▶ Cloud Engineer
- ▶ Computer Support Specialists
- ▶ Machine Learning
- ▶ Mobile Developer
- ▶ Cybersecurity Engineer



## SALIENT FEATURES

- 01 **ICT Classrooms** 
- 02 **Wi-Fi Campus** 
- 03 **A/C Classrooms** 
- 04 **Experiential Pedagogy** 
- 05 **STEM Education** 
- 06 **Go Green Campus** 
- 07 **Transport Facilities** 
- 08 **Hostel Facilities** 
- 09 **100% Placements** 
- 10 **Sports Activities** 

## Our Major Recruiters



**Highest CTC : 7 LPA**

**Average CTC : 4 LPA**

**ZOHO : 7 LPA**

**VWR : 5.4 LPA**

**Odoo : 5 LPA**

## Get In Touch



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# RAAK

**COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE, New Delhi, Affiliated to Pondicherry University  
(A Unit of Farouk Educational Trust)



## B.TECH : COMPUTER SCIENCE & ENGINEERING

What is Computer Science?

USER	Artificial Intelligence
USER INTERFACE	Computational & Synthetic Biology
APPLICATION	Computer Architecture
RUNTIME LIBRARY	Computer Graphics & Animation
API	Computing for Development
OS	Data Science
KERNEL	Machine Learning
DEVICE DRIVER	Natural Language Processing
BIOS	Security and Privacy
	Systems and Networking
	Theory of Computation

What are the Current Trends?