COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF ENGINEERING

PLACEMENT BROCHURE

2023-24

"We shape the leaders, thinkers, and change-makers of tomorrow."

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CONTENTS 📋

about
CUSAT

Our institution's diverse programs and dedicated faculty ensure that students receive a well-rounded education and the practical skills needed for a successful career. With a strong emphasis on industry collaboration and a history of producing graduates who excel in their respective fields, Cochin University is the ideal choice for fostering the next generation of skilled professionals. Join us and embark on a journey towards a brighter and more promising future.

Cochin University, located in the vibrant and culturally rich city of Kochi in Kerala, India, is a renowned institution of higher education that consistently produces top-tier talent in various fields. Established with a commitment to academic excellence and innovation, Cochin University has become a hub for academic research, technological advancements, and professional development.

about
School of engineering

Cochin University of Science and Technology's School of Engineering is renowned for its top-notch education, emphasizing academic excellence, research, and practical application. It equips students with the skills to excel in their careers and advance technology and society.

CUSAT's School of Engineering boasts exceptional faculty and cutting-edge facilities, fostering a hands-on learning environment. Collaborations with industry and research institutions prepare students for the evolving engineering field. By promoting entrepreneurship and innovation, it plays a pivotal role in shaping India's engineering landscape, producing skilled engineers with a lasting impact in diverse sectors.

about
COMPUTER SCIENCE

The Computer Science Engineering Department at CUSAT has a rich history and a significant impact in the field. It all began in 1996 with the pioneering BTech course in computer science engineering, which quickly gained global recognition and acceptance across industry, academia, and government services. Over the years, the department expanded its offerings, including an MTech program in computer science engineering with specializations in various cutting-edge fields, and now offers Ph.D. programs in frontier areas of computer science. The Computer Science Engineering Department has established itself as a leading institution in the field, contributing significantly to the advancement of computer science and technology worldwide.

Admission Procedure

The Computer Science Engineering department in the School of Engineering, Cochin University of Science and Technology (CUSAT) has been praised for its exceptional selectivity and competitiveness. Only (number of individuals) individuals are chosen from a large pool of determined candidates to join this prestigious programme. This rigorous screening process is intended to ensure that we only admit the finest and brightest in computer science engineering.

It is generally carried out through the challenging Common Admission Test (CAT) tests, which serves as a critical assessment tool that assesses the candidate's aptitude, knowledge, and potential in the field of Computer Science Engineering. Our limited number of available seats reflects our dedication to sustaining the highest educational standards and offering personalised attention and practical training to each student. This process not only recognises the most promising talents, but it establishes the foundation for a remarkable academic journey aimed at fostering highly skilled individuals capable of flourishing in the dynamic world of Computer Science Engineering.

VISION:

To become a Center of Excellence in Computer Science Engineering through advanced research, training, and consultancy.

MISSION:

To provide quality education and to prepare nationally and internationally competitive undergraduate and postgraduate students for a successful career in computer science, software engineering, and information technology.

To promote research in the field of computer science, software engineering, and information technology, advancing technology and shaping the future within the Computer Science Engineering Department at CUSAT.

Course Structure

SEMESTER 1

Main Subjects:
- Calculus
- Engineering Physics
- Engineering Mechanics
- Basic Civil Engineering
- Basic Mechanical Engineering
- Soft Skills Development

Laboratories:
- Civil Engineering Workshop
- Mechanical Engineering Workshop
- Language Lab
- NSS / Nature Conservation Activities

SEMESTER 2

Main Subjects:
- Computer Programming
- Engineering Chemistry
- Engineering Graphics
- Basic Electrical Engineering
- Basic Electronics Engineering
- Environmental Studies

Laboratories:
- Electrical Engineering Workshop
- Computer Programming Laboratory

SEMESTER 3

Main Subjects:
- Linear Algebra and Transform Techniques
- Logic Design
- Discrete Computational Structures
- Object-Oriented Programming
- Principles of Programming Languages
- Data and Computer Communication

Laboratories:
- Digital Electronics Laboratory
- Object-Oriented Programming Laboratory

SEMESTER 4

Main Subjects:
- Complex Variables and Partial Differential Equations
- Microprocessors
- Computer Architecture and Organization
- Automata Languages and Computations
- Data Structures and Algorithms
- Database Management Systems
- Universal Human Values

Laboratories:
- Database Management Systems Laboratory
- Data Structures Laboratory

SEMESTER 5

Main Subjects:
- Numerical and Statistical Methods
- System Programming
- Object-Oriented Software Engineering
- Computer Graphics
- Advanced Microprocessors and Microcontrollers
- Professional Elective I

Laboratories:
- Computer Graphics Laboratory
- Microprocessors Laboratory

SEMESTER 6

Main Subjects:
- Computer Networks
- Compiler Construction
- Analysis and Design of Algorithms
- Data Mining
- Operating System
- Professional Elective II
- Mini Project

Laboratories:
- Operating System Laboratory

Course Structure

SEMESTER 7

Main Subjects:
- Principles of Management
- Advanced Architecture and Parallel Processing
- Cryptography and Network Security
- Professional Elective III
- Open Elective I
- Entrepreneurship Development
- Project Phase I
- Industrial Internship

SEMESTER 8

Main Subjects:
- Artificial Intelligence
- Professional Elective IV
- Professional Elective V
- Open Elective II
- Seminar
- Project Phase II
- Comprehensive Viva Voce

Professional Electives

- Web Technologies
- Machine Learning
- Embedded System Design
- Bioinformatics
- Neural Networks and Deep Learning
- Software Project Management
- Digital Image Processing
- Ethical Hacking
- Big Data Analytics
- Augmented Reality
- Computational Linguistics
- Recommender Systems
- Cloud Computing
- Agent-Based Intelligent System
- Blockchain
- Advanced Compiler Design and Optimization
- Industrial Electives:
- Mobile Computing Technology
- Internet of Things and Applications
- Biometric Technologies
- Computer Vision

Placement history

Total Students Hired

ALTRAN	0.3%
WHITE RABBIT GROUP	0.6%
MU SIGMA	1.1%
LTTS	1.4%
CISCO	2.5%
SOTI	3.6%
WIPRO	5%
IBM	7.8%
INFOSYS	9.2%
TCS	24.1%
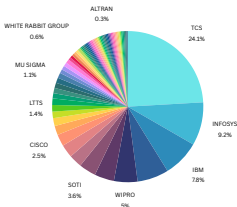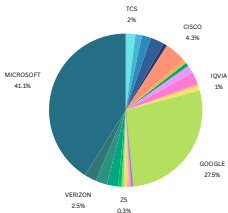
Market capitilisation (in billion)

TCS	2%
CISCO	4.3%
IQVIA	1%
GOOGLE	27.5%
ZS	0.3%
VERIZON	2.5%
MICROSOFT	41.1%

Placement history

No of Students

No of Students Placed

| YEAR | 2019-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | Total |
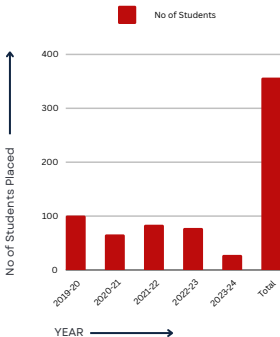
Placement history

Our top Companies

Top Companies		
Company	No of Students	Year
TCS	17	2019-20
IBM	14	2019-20
INFOSYS	9	2019-20
SOTI	7	2019-20
WIPRO	6	2019-20
TCS	21	2020-21
ERNST AND YOUNG	15	2020-21
INFOSYS	9	2020-21
LTTS	5	2020-21
RESEA	5	2020-21
TCS	29	2021-22
INFOSYS	15	2021-22
WIPRO	10	2021-22
IBM	6	2021-22
MU SIGMA	4	2021-22
TCS	19	2022-23
TATA ELXSI	6	2022-23
L&T	5	2022-23
CISCO	4	2022-23
RAMCO	4	2022-23
TATA ELXSI	9	2023-24
UST GLOBAL	6	2023-24
IBM	5	2023-24
CISCO	2	2023-24
QBURST	2	2023-24

Our Acheivments

Some newspaper clippings

Malayali students raring to rove on Mars

THE YEAR of INDIA

Cusat team qualifies for global finals, building Mars rover

Cusat team qualifies for global finals, building Mars rover

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Our Acheivments

Our Team Horizon

Our Recruiters

ZS · wipro · VICTORIA'S SECRET

verizon · UST · UiPath · TCS

TATA ELXSI · Tally · SUTHERLAND · SUBEX

SOTI We Manage Mobility · ALTRAN · RESEA · Rently

QUALITEST · Hexaware TECHNOLOGIES · Prevalent AI · NOKIA Connecting People

Mu Sigma · mindcurv group · Microsoft · L&T

SAP · PlanetSpark · nissan digital · KEYVALUE

Our Recruiters

KANTAR   ITC INFOTECH   IQVIA   invenics

Innovature   Incture TECHNOLOGIES   Impelsys   IBM

HITACHI   HEXAGON   GadgEon Engineering Smartness   EY Building a better working world

CORIZO   VINTRUS

Central Placement Officer

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