"A++" Accredited by NAAC (2021)
with CGPA 3.52

शिवाजी विद्यापीठ, कोल्हापूर
SHIVAJI UNIVERSITY, KOLHAPUR

DEPARTMENT OF TECHNOLOGY
COMPUTER SCIENCE AND TECHNOLOGY

Information Brochure

About the Program

Computers have become an important part of modern life. The use of computer technologies is very common in all types of organizations, academia, research, industry, government, private, and business organizations. As computers become even more pervasive, computer-related careers will continue to grow and the career paths in computer fields will become more diverse. Computer Science is the study of algorithms, computing methods, and computational machines. Computer Science and Technology (CST) is divided into theoretical and practical disciplines. The data structure and algorithms are the heart of computer science while programming languages deal with various computational methods. Computer Science and Technology encourage students to develop problem-solving skills and prepare students for developing research and design. Programming skills makes student ready to be employed in various sectors such as IT Industry/Government Sector/Higher Education / Entrepreneurship / R& D.

Programs Offered

B. Tech.	M .Tech.
Intake: **60**	Intake: **18**

Strengths of the Program

- University Department with Academic Flexibility.
- World Bank Supported Technical Education Quality Improvement Programme TEQIP–II (2013-17) and TEQIP-III (2017-21) with total grant of 17.5 Cr.
- MoU with Spoken Tutorials, IIT, Bombay.
- Well Established seven Laboratories with modern equipments.
- Highly qualified, experienced and dedicated faculty members with high Faculty Retention.
- Faculties update themselves by attending vibrant programmes with continuous activities like FDPs, STTPs and online courses offered by NPTEL and Swayam.
- Educational Institution Membership of Computer Society of India (CSI).
- Innovative teaching techniques have been adopted for better learning of students.
- Organization of workshops and hands on training for students.
- Organization of industrial visits.
- Research projects funded by UGC, AICTE and Shivaji University, Kolhapur.
- More than 80% of students placed in top MNC IT companies.
- More than 150 research publications in reputed journals and conferences by students and faculty.

Strengths of the Program

- CST program offers Software Engineering, Web Technologies, Data Warehousing, Data Mining, Cloud Computing, Soft Computing, Information Security, Big Data Analytics and Machine Learning.
- Inclusion of Audit courses like Research Methodology, Introduction to foreign language (Russian, Japanese), Soft skill development, performing arts, etc.
- Focus on seminars and project-based learning.
- Mandatory internships of 8 weeks during vacation.
- Inclusion of new technologies like AI, IoT, Machine learning as per standards of Industry 4.0
- Outcome-based Education (OBE) enables different levels of learning.
- Academic flexibility to modify curriculum content and assessment pattern.

Highlights of Laboratories

- Seven well-equipped Laboratories- Programming Lab, Advanced Programing Lab, Network Lab, Database and Operating System Lab, Project Lab, Digital System and Microprocessor Lab and Project and Research Lab.
- High-end servers and workstations.
- Wi-Fi and Internet facility with a speed of 1GBPS with 150 computers.
- Advanced licenced softwares like IBM Rational, Oracle Standard Edition, NetSim (Network Software), Microsoft Visual Studio Pro., C++, Microsoft Office.
- Open-source softwares.
- **Total Investment in Rs. 67,13,362**
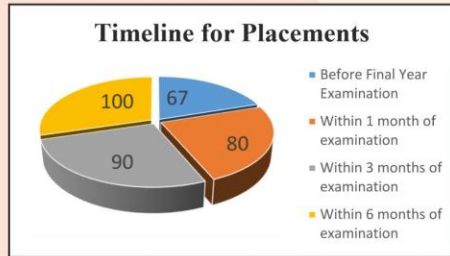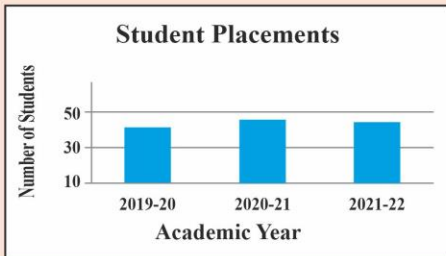
Thrust Areas for Employment and R & D

Employment	R & D
Machine Learning (ML)	Data Analytics
Deep Learning (DL)	Artificial Intelligence (AI)
Data Science	Block chain
Network Security	IoT
Big Data Analytics	Cloud Computing

Scope of the Employment

On the successful completion of the program, job opportunities are available for CST graduates in Government sector as well as the Private sector. Graduate profiles are as follows :

- Software Engineer/ Programmer
- Social Media Manager
- Web Developer/Administrator
- System Engineer
- Network Administrator
- Digital Media Manager
- Database Administrator
- Project Manager
- Hardware Engineer
- Chief Information Officer

- Information Technology Manager
- Support Specialist
- Content Manager
- Chief Technology Officer
- System Analyst
- Information Technology Director
- Technology Coordinator
- Network Programmer
- Business Analyst
- IP Manager

Placement Statistics

Student Placements — Number of Students vs Academic Year (2019-20, 2020-21, 2021-22)

Timeline for Placements

- Before Final Year Examination — 67
- Within 1 month of examination — 80
- Within 3 months of examination — 90
- Within 6 months of examination — 100

Student Placements (2021-2022)

Komal Purohit DXC Technologies Pvt Ltd • Shreyash patil Infosys • Tejal Ambolkar TCS • Omkar Chougule TCS • Ankita Amate Wipro • Shreyas Desai Cyber Success • Yash Shringare TCS • Shubham Methe TCS • Shahubai Birajdar Wipro • Srushti Aroshi Infosys

Pranali Ravan Infosys • Gaurav Patil TCS • Aditi Salokhe Wipro • Prachi More Capgemini • Sayali Patil Atos Syntel • Mansi Sutar Persistent • Atharva Chinchalkar Hexaware • Shubham Wadkar Hexaware • Sumit Jadhavar Infosys • Snehal Atigre Infosys

Neha Pakale Capgemini • Anuja Jadhav Infosys • Archana Gawade Infosys • Pauras Patil Infosys • Sanika Naik Cyber Success • Shital Asore Cyber Success • Anshul Sarnayak Infosys • Priyanka Bhatmare Infosys • Sakshi Salokhe Infosys • Shubham Lokhande Wipro

Pratiksha Birajdar Vega • Abhijit Agambare Infosys • Vaibhav Pujari Siemens • Sachin Kolavale Siemens • Yogita Chavan Renault Nissan • Sourabh Chavan Infosys • Rutuja Chavan Infosys • Shrikant Aher Infosys • Vijaya Patil Eronet • Prasad Palange Capgemini

Our Recruiters

- Persistent Systems
- TCS
- Infosys
- Capgemini
- Atos Syntel
- Cognizant
- Accenture
- Wipro
- Tech Mahindra
- Siemens
- L & T Infotech, Mumbai

- Mindcraft Solutions
- DXC, Technologies
- Volante
- Hexaware
- E-Zest
- Eclerx
- Iface Systems
- Miracle Info Tech
- Cyber Success
- Mouri Tech
- Walstar Technologies Pvt. Ltd.

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