



SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

Constituent of Symbiosis International (Deemed University), Pune

(Established under Section 3 of the UGC Act of 1956 vide notification number F-9/12/2001-U-3 of the Government of India)

॥ वसुधैव कुटुम्बकम् ॥ Re-Accredited by NAAC with 'A++' Grade

Department of

Computer Science & Engineering

Department of Computer Science & Engineering has state of the art labs, machines with high configuration and latest software required for teaching and research. The most important aspect of computer science programme is problem solving, an essential skill for life. Students study the design, development and analysis of software and hardware used to solve problems in a variety of business, scientific and social contexts. The department endeavors to impart quality education to students in the areas of computer science and engineering. The programmes of the department include B.Tech Degrees in Computer Science and Engineering with an intake of 180. The department has very competent faculty to teach advanced topics of cloud computing, software quality, cyber security, artificial intelligence and so on. The faculty is actively engaged in research and publications.

SYMBIOSIS INSTITUTE OF TECHNOLOGY



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DEPARTMENT HIGHLIGHTS

Going Beyond Classroom

Flexi Credit Courses

Special Diploma in Business Management

Academic Curricula Benchmarked with International Universities

Industrial Visits, Workshops, Technical Events, Guest Lectures

Best in Class Infrastructural Facilities

Industry Internship

Value Addition Programmes

True Blend of Cultures

Mentor-Mentee System and Remedial Teaching

Learn Foreign Languages

Service Learning Activities

Tinker Lab

Global Immersion Programmes

Creative Thinking, Critical Thinking, Design Thinking, Entrepreneurship Courses

Active Students' Body

Specialization Programs:

- AI & Machine learning
- Data Science
- Security & Privacy
- IoT
- Cloud Computing
- Game Design & Development

Minors Specializations:

- Automobile Engineering with hybrid & autonomous technology
- Embedded Systems
- Smart Cities & Urban Analytics

Major Recruiters & Industry Internships



Yashvi Garg
CS Final Year (2018-22)
Highest package in
zomato 45 LPA



Sanket Shevkar
CS Final Year (2018-22)
Highest package in
Indeed 42 LPA

Six Months Internship Semester

Over 175+ companies on-boarded from 2013 to date

45+ students completed their international internships

600+ students completed their internship since 2013

Collaboration with CISCO & EC Council

Industry Connect Activities

Guest Lectures/ Inputs on Syllabus

- Tech Mahindra
- Amazon Web Services, USA
- Microsoft, USA
- Ericsson
- Vodafone
- Guise AI
- Verizon
- Altimetrik

Internships and Research Collaborations

- DRDO, ISRO
- ARAI, ARDE
- NCL-CSIR, Pune
- Swinburne University
- Cyber Cell, Pune
- IBM, Amazon
- Microsoft, Dell
- MiQ Digital
- Bajaj Finserv

NDA & MoU

- Hyster Yale Group
- Indian Cyber Security Solutions
- EC Council
- India Blockchain Alliance
- Algo Analytics Pvt Ltd.
- IdeaS & many

Co-teaching/Hands-on lab of specialization subjects

- Verizon, Diegem, Brussels, Belgium
- Movies Engineering, InComscorec
- Techdefence Labs, Ahmedabad
- Altimetrik, Mumbai
- Talentum GLocal, Pune
- Microsoft, USA

Industry Experts in Department Advisory Committee



Mr. Vivek Gavane
Joint Director
CDAC



Mr. Mahesh Pavaskar
Cyber Security Engineer,
Brussels



Dr. Sandeep Deshmukh
WorkshopHQ



Mr. Vishal Pillai
Program Manager, Innovation,
KPIT



Mr. Amey Rane
Senior Consultant,
Deloitte



Dr. Abhishek Anurag
NVIDIA



Industrial visit at Atreya Technologies

Real-Time Technologies:

- ♦ Smart watch
- ♦ Traffic monitoring
- ♦ GPS
- ♦ Elevator
- ♦ AI driven cars

Real-Time Projects:

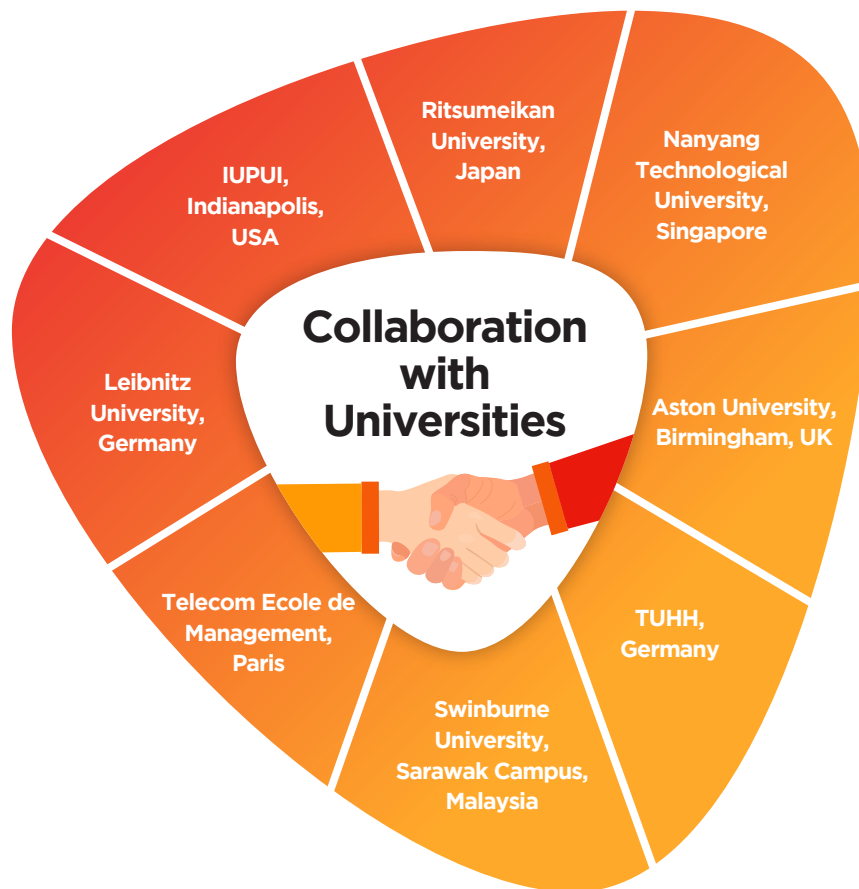
- ♦ Exa scale computing
- ♦ Microprocessors
- ♦ Quantum computing
- ♦ IoE dependable & secure computing
- ♦ GenNext application



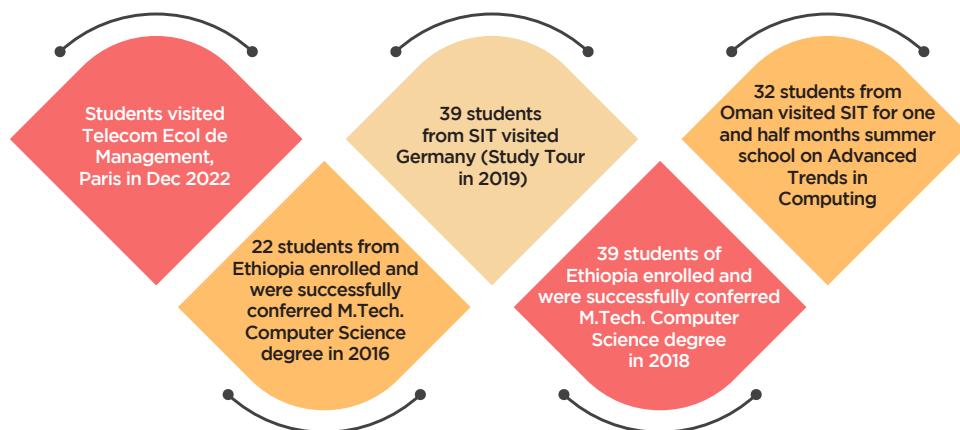
Industrial visit at CDAC, Pune

Internationalization

CSE students participated in semester exchange programs of the following partner universities under the Global Immersion Program:



Several International Expert Lectures arranged for SIT students. International Speakers from UK, China, Malaysia, Indonesia and UAE shared their expertise.



International Students Activity



International Faculty Interaction



**Dr. Rajiv Raje, Computer & Information Science,
IUPUI University, USA**



**Dr. Sohum Sohoni, CSE,
Milwaukee School of Engineering, USA**



**Prof. Eleni Mangina,
Vice Principal, School of Computer Science, Dublin 12**



**Dr. Sandeep Gupta, Associate Dean in
Fulton School of Engineering, Arizona University**

Student Activities



Research, Patents & Award

138+

Publications

124+

Journals
Scopus Index

14+

Conferences

8+

Books &
Chapters

24+

Honors
& Awards

2+

Editorial
Boards

5+

Funded
Projects

10+

Reviewers

1+

Patents

Research Grant & Patent

- Grant : "South Asia Gender Innovation Lab" (SAGIL) on Innovation Fellowship Programme
- Patent : Automation of Nutrient Supply-Based Smart System for Multilevel Hydroponic Farming and Method

Sponsored Projects

- ◆ Algorithms towards Development of Responsible AI, funded by ASEM-DUO fellowship programme.
- ◆ Development of Algorithms for Credibility Analysis of Information (CAI), funded by Scheme for Promotion of Academic & Research Collaboration.
- ◆ Multimodal Explainability for Object Detection and Image Processing in Drone Imagery, funded by Indo-Italy Bilateral Research Mobility Grant Scheme of DST and The Italian Ministry of Foreign Affairs.
- ◆ Development of Real-Time Traffic Control Algorithms for Unconventional Intersection Designs using Artificial Intelligence Methods, funded by India-Serbia Bilateral Scientific & Technological Cooperation Scheme of DST and The Serbian Ministry of Education, Science and Technological Development.
- ◆ AI for Earth Microsoft Azure Grant, funded by Symbiosis International (Deemed University).
- ◆ Development of Attention Span and Monitoring System in Education Era 4.0 using Artificial Intelligence, funded by Symbiosis International (Deemed University).
- ◆ Machine Learning Based Vibration Response Analysis of Different Plates Using Cyamatics, funded by Symbiosis International (Deemed University).
- ◆ Artificial Intelligence- Based Fault Detection in Bearings using Vibration and Sound Sensor, funded by SSymbiosis International (Deemed University).
- ◆ Building and Leveraging Indian Food Image Data Set for Calorie Calibration of Indian Dietary Pattern, funded by Symbiosis International (Deemed University).

Clubs at CSE



Cyber
Blockchain



Artificial
Intelligence



Code Chef



Google
Developer
Students
Club



Internet
of Things



ACM
Student
Chapter



RHYTHM BHATIA

Batch: 11-15 CSE

Occupation: Founder of Artificial Intelligence consultancy Cognozire.

MS in CS from University of Eastern Finland 2021 and pursuing PhD in CS at University of Eastern Finland 2021-2024



PALAK NATH

Batch: 2017-21 IT

Currently pursuing Master's Student in Business Analytics at University of Illinois Urbana-Champaign | MSBA Leadership Council | Accreditation Research Intern at Gies College of Business | US Ambassador at I Light Global



SANTOSH SAXENA

Batch: 2018-22 CS

Occupation: Data Scientist
Bajaj Finserv



RIBHU MUKHERJEE

Batch: 2016-20 CSE

Occupation: Educator

Newton School GATE CSE Ranker-99.4% - Cracked IIT Madras, Youtuber and Public Speaker



YAMINI GAHLOT

Batch: 2015-19 CSE

Secured All India Rank-1 in Computer Science.

Merit List for Army Officer after 1-year training at Officers Training Academy, Chennai.



VIBHUTI GUPTA

Batch: 2015-19 IT

Occupation: P&G - Product Supply.

IIT Bombay - SJMSOM MBA'23, Dell -Product Management, LSSGB Certified, SAFE 5 Agilist



ABHINAV GUPTA

Batch: 2014-18 CSE

Occupation: Software Support Engineer at Pitney Bowes.



PANKHURI AGRAWAL

Batch: 2016-20 IT

Occupation: Cloud Engineer - Web Applications @ Google Cloud.



AKSHAY BAHADUR

Batch: 2013-17 CSE

OCGraduate Student at Carnegie Mellon University
Applied research engineer



ANKIT PATIL

Batch: 14-18 IT

Occupation: Member of Technical Staff at Salesforce, 14-18 IT



JYOTIR CHEBROLU

Batch: 2013-17 CSE

Occupation: FullStack Engineer in FedEx.

M.S in CS from University of Texas at Arlington



HARSH SINHA

Batch: 2018-22 IT

Occupation: Associate Data Scientist @Bajaj Finserv Health || Kaggle - Expert || Strategy Management Intern @UNO Minda

Student Awards & Recognitions



Shaunak Inamdar won 2 Prizes at the World Business Dialogue Conference in Cologne, Germany



Won 2nd Position in Smart India Hackathon 2020



Hackathon Winner Team received a Prize of Rs 25,000 at Edu Fest 2022



The Winning Team of VoIS for Tech Innovation Marathon



Yash Kashya
placed 38th in the
Programming Contest
at IIT KANPUR



Yash Varma
10 medals in Gun for
Glory
5th East Zone Shooting
Championship, Asansol



Yatendra Kumar
EY Scholarship



Sidhant Mathur
was Selected as
the Youngest Indian
Ambassador for
Harvard University,
HPAIR

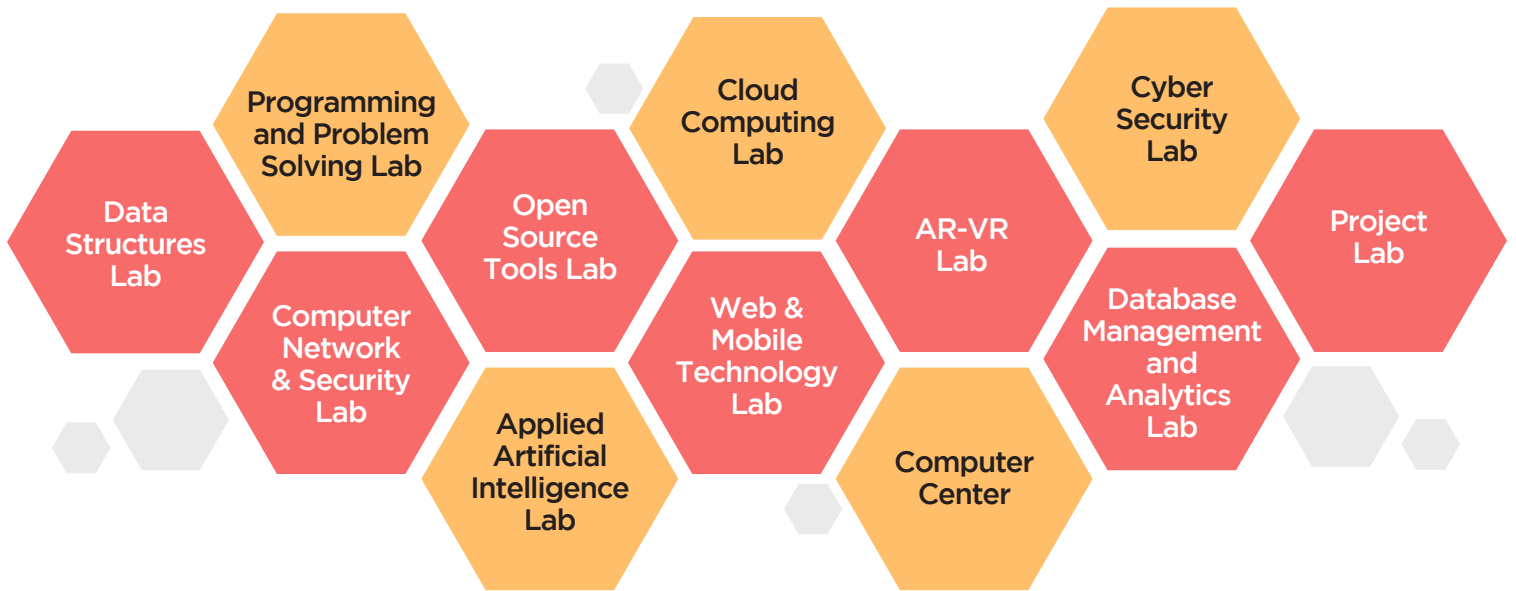


Avi Shah
Young SIT Warrior
Against COVID-19 with
his Technical Contribution
Bags Rs. 20 Million
Funding from
Rewardport Corporate
Solutions Pvt. Ltd

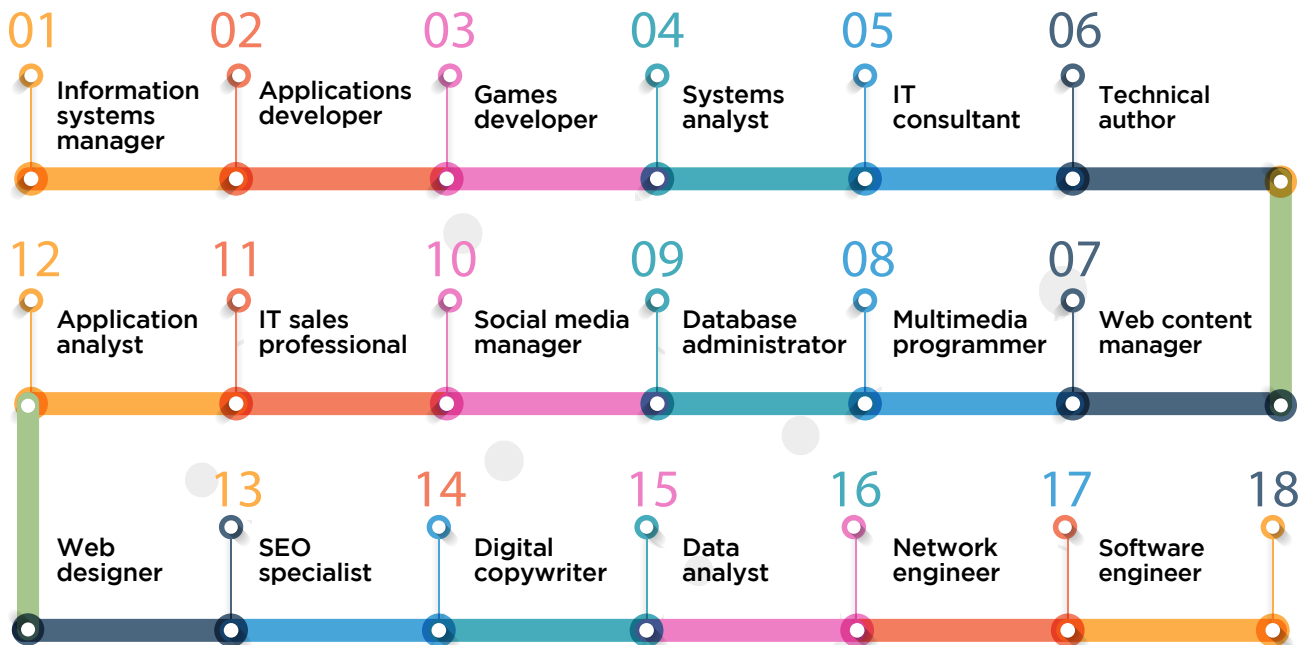


Riti Singh
Lieutenant in the Indian
Navy & Navy's First
Women Combat
Aviators to be
Deployed on Warships!

Various Laboratories in CSE



Job Options after B.Tech in Computer Science & Engineering



Vision of the Department

To evolve as a centre of excellence in Computer Science and Engineering to produce skilled and proficient global professionals to build the society.

Mission of the Department

- ◆ To provide the conducive environment for establishing students in the global platform of research and innovation.
- ◆ To educate students on cutting edge technologies with problem solving capabilities, leadership and teamwork skills.
- ◆ To inculcate the professional values with lifelong learning through curricular and co-curricular activities and create globally-aware disciplined citizens.
- ◆ To commence various initiatives for motivating students to work for the betterment of society.

Program Educational Objectives (PEOs)

- ◆ Apply their skills with research orientation and establish themselves globally.
- ◆ Apply problem solving and emerging technology skills for designing solutions.
- ◆ Apply technical and leadership skills to be a successful entrepreneur.



Symbiosis Institute of Technology

Symbiosis International
(Deemed University)
Lavale, Pune,
Maharashtra- 412115

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020-61936300
www.sitpune.edu.in

Contact Details

B.Tech. Admission

cscordinator@sitpune.edu.in
+91-9112290236

Lateral Entry (From Diploma Candidates)

+91-7262890505