

The background of the top half of the brochure is a photograph of the Savitribai Phule Pune University building. It is a large, historic stone structure with multiple arches and a prominent clock tower. The Indian flag is flying from the top of the tower. The sky is overcast.

DEPARTMENT OF COMPUTER SCIENCE

SAVITRIBAI PHULE PUNE UNIVERSITY



PLACEMENT BROCHURE 2026-2027

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ABOUT US

Savitribai Phule Pune University (formerly the University of Pune) was established in 1948 and is one of the leading centres for research, development, and teaching in the country. Our department is one of the earliest computer science departments to start in Indian universities. Established in its present form in 1983 under a programme launched jointly by the University Grants Commission and DoE, the Pune University Computer Science Department is one of the oldest and most reputed in India. The department focuses on postgraduate academic programmes oriented towards producing well-qualified computer scientists and professionals. It has been awarded “five-star” status by the National Assessment and Accreditation Council, an autonomous agency of the University Grants Commission. For four consecutive years (2011–2014), our department has been ranked “first” in the Top 50 MCA Colleges in India in the survey conducted by Silicon India.

Today, information technology has become pervasive, while its parent, computing Science has become hard to find. Instead of becoming specialty providers for the IT industry or mass producers of vocationally trained personnel, our department has chosen to take the road less travelled. We continue to emphasise the pristine science that lies under the diverse aspects of computing.

Technology changes rapidly, especially in the field of computing, whereas science, if it changes at all, does so much more gradually. Those who are clear and thorough about the fundamentals can adapt to rapid changes in technology relatively easily. PUCSD takes care to ensure that the basic scientific principles of computer science are presented to the students and actively tries to point out the differences between computation as a science and software. Our mission statement elucidates this point further. Another characteristic academic experience at PUCSD for a student is the almost lack of any divide between computer science theory and practice. We maintain the 24x7 availability of our resources.

The faculty plays an important role in the teaching-learning process. Many among them bring to us the diverse perspectives of contemporary industrial priorities and practices. Amongst the visiting faculty, many are alumni of the department and occupy senior positions in industry, and some of them are prized as our best teachers. PUCSD is continuously improving the quality of academic programmes and creating a unique environment conducive to the overall development of students.

We are committed to the free software and open source movements, as typified by Linux. We believe that reading and modifying open source code is an extremely good learning tool and an effective initiation into the culture of practical software development.

FROM THE DESK OF DEPARTMENT HEAD

The Department of Computer Science, Savitribai Phule Pune University (formerly the University of Pune) is one of the pioneering institutes of the country. It has an excellent history with respect to education in the emerging areas of Computer Science. The students here are extremely enthusiastic and passionate about the subject and this brochure is a mirror that reflects their enthusiasm, passion, and the high-quality curriculum of the Department.

The graduates of this department are not only spread throughout the country but almost every part of the globe. Their experience and expertise are an asset to the IT industry.

The design of the curriculum here is improved and upgraded continuously, keeping in mind the needs of the market as well as the R&D sector of numerous industries. We are indeed delighted to put on record that our past students are significantly involved in the process of teaching as well as imparting industrial training to our students. In fact, our alumni association keeps in touch with past students working in different companies all around the globe. Nonetheless, before their final placement, students are allowed to work in other companies for six months. This has become an essential aspect of the education imparted at our department as it helps our students to acquire experience, develop and then share the skills that they have learned during their industrial training.

Besides the established companies, new and upcoming ones have an immense interest in recruiting our students. I personally feel that the experience of our students will certainly enhance the progress of R&D sectors as well as contribute to other critical areas. I take this opportunity, on behalf of the Department of Computer Science, Savitribai Phule Pune University, to request you to kindly accept an invitation to our yearly campus recruitment drive, and I hope to interact with you in the near future.

DR. VINAYAK JOSHI
(HEAD OF DEPARTMENT)

FEW WORDS FROM FACULTY

The way students learn has changed a lot in recent years. Today, students have easy access to the Internet, online courses, YouTube, coding platforms and Artificial Intelligence tools. They can learn almost anything from anywhere. This is a great opportunity for them. But technology should be used for learning, not simply for getting ready made answers. Students need to understand what they are doing. They should be able to write a program, explain it, find mistakes and improve it.

As teachers, our responsibility is to help students build strong basics and develop confidence. Technologies will keep changing, but good programming skills, problem solving, communication and the ability to learn will always be important. Students also need exposure to the industry. Certificates and marks are important, but they are not enough. Companies look for students who can understand a problem, think logically, work in a team, communicate properly and learn new things.

This is where campus placements are very important. Many students have good knowledge and ability, but getting an opportunity outside the campus is not always easy. Campus recruitment gives such students a fair chance to meet companies and prove themselves. I would therefore like to request companies and industry organisations to visit our campus for placements. A company coming to the campus gives students an opportunity to understand industry expectations and present their skills. At the same time, companies get an opportunity to meet young talent directly.

I believe there is a lot of talent among our students. They need the right guidance and, more importantly, the right opportunities. As faculty members, we will continue to prepare our students for the changing world of technology. We look forward to welcoming more companies to our campus and giving our students an opportunity to take their first step into the professional world. Sometimes, one opportunity is all that a student needs to prove what he or she can do.

NITIN PATIL
(ASSISTANT PROFESSOR - PUCSD)

FEW WORDS FROM OUR FORMER FACULTY

The winds of change are blowing and cannot be treated as the idle wind that passes by. Now, the options in front of us are :

1. Do not waver and be ready to flounder and capsize if the wind gets too strong & contrary to our direction.
2. Try to adapt, adjust our sails and attempt to use the energy (of change) to our benefit. We have chosen the latter path. Posterity shall tell if it was the wise alternative. Do these changes mean that “It is not worth coming to our department for our products?” My answer to that is a vehement, NO.

The reasons are as follows:

1. These are products of quality for whom it is well worth coming here, even assuming that the changes alluded to above are not aligned in your direction.
2. If we have been successful in harnessing the energy (of change) to align our direction with yours, then you have an added incentive to be here.
3. We continue to emphasize the pristine science that underlies the diverse aspects of computing. It has been the beacon that has guided us for more than twenty years.

We would appreciate it if you would come (be here during the Placement Week) to give us your feedback and help us in adjusting our sails and rudder. This would enable us to move in a direction that is mutually beneficial and help us build a synergistic relationship with your organization.

ACHYUT K. ROY
(ASSISTANT PROFESSOR)

MESSAGE FROM OUR TPO

As the Training and Placement Officer of the Department of Computer Science, Savitribai Phule Pune University (PUCSD), it gives me immense pleasure to invite your esteemed organization to participate in our upcoming Internship and Placement Recruitment Drive for MCA and M.Sc. (Computer Science) students. PUCSD has a rich legacy of academic excellence and has consistently nurtured highly competent computer science professionals who are making significant contributions across leading IT organizations, research institutions, startups, and academia. Our graduates are recognized for their strong technical knowledge, analytical thinking, problem-solving abilities, and commitment to continuous learning.

Our MCA and M.Sc. (Computer Science) programs are designed to blend rigorous theoretical foundations with hands-on practical exposure through industry-oriented projects, internships, seminars, and research activities. This enables our students to quickly adapt to evolving technologies and contribute effectively from the very beginning of their professional careers.

Why Recruit from PUCSD?

Strong Academic Foundation:

Our students undergo a rigorous curriculum covering core computer science subjects along with emerging technologies such as Artificial Intelligence, Machine Learning, Data Science, and Software Engineering.

Industry-Ready Talent:

Through regular technical workshops, coding activities, internships, industrial interactions and skill development initiatives, our students develop strong programming, analytical, and professional skills that align with current industry requirements.

Excellent Placement Record:

PUCSD has consistently maintained an impressive placement record, with students securing opportunities in leading multinational companies, product-based organizations, startups, and premier research institutions.

Highly Motivated Students:

Our students demonstrate excellent technical competence, adaptability, teamwork, communication skills, and a passion for innovation, making them valuable assets to any organization.

We warmly invite your organization to collaborate with us by participating in our campus recruitment process. Your participation will provide an excellent opportunity to interact with a pool of talented, enthusiastic, and industry-ready graduates while helping us strengthen the connection between academia and industry.

We are committed to providing a seamless recruitment experience and look forward to building a long-term partnership with your organization. We sincerely look forward to welcoming your organization to our campus and building a mutually beneficial relationship.

DR. PALLAVI MANDHARE
TRAINING AND PLACEMENT OFFICER
DEPARTMENT OF COMPUTER SCIENCE
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

FACULTY

- **DR. VINAYAK JOSHI (HEAD OF DEPARTMENT)**
 - Ph.D. (Mathematics).
 - Research Interests: Lattice theory, fuzzy logic
- **MR. NITIN P. PATIL (ASSISTANT PROFESSOR)**
 - M.Sc. (Computer Science), North Maharashtra University, Jalgaon.
 - Research Interests: System Programming, Databases, and Semantic Web Analysis.
- **MR. DAMODAR M. KULKARNI (ASSISTANT PROFESSOR)**
 - M.C.A., Shivaji University, Kolhapur.
 - Research Interests: Software Architecture and Design, Software Engineering and Programming Paradigms.
- **DR. RITAMBHRA KORPAL (ASSISTANT PROFESSOR)**
 - Ph.D. (Computer Science).
 - Research Interests: Databases, Machine Learning, Data Mining and related technologies, Natural Language Processing.
- **DR. PALLAVI MANDHARE (ASSISTANT PROFESSOR)**
 - Ph.D (Computer Science).
 - M.Sc, University of Pune.
 - Research Interests: Database Concepts, Image Processing, and Video Analysis, Machine Learning.
 - Subject Expertise AI.
- **DR. JYOTI YADAV (ASSISTANT PROFESSOR)**
 - Ph.D. (Computer Science), M.Phil. (CS).
 - Research Interests: Soft Computing (Fuzzy Logic, Genetic Algorithm (Neural Networks)), Data Mining, Theory of Computation, Big Data Analysis, Biodiversity, Cloud Computing, Cryptoanalysis.

FORMER FACULTY

- **MR. ACHYUT K. ROY (ASSISTANT PROFESSOR)**
 - M.SC. (COMPUTER SCIENCE), UNIVERSITY OF PUNE.
 - HE HAS STRONG INTERESTS IN THE WORK OF RENE GOSCINNY AND HIS ASSOCIATES JEAN TABARY, ALBERT UDERZO AND MAURICE DE BEVERE.
 - HE IS QUITE THE POLYMATH.
- **PROF. H. V. SAHASRABUDDHE (PROFESSOR)**
 - Ph.D. (Electrical Engineering), IIT Kanpur.
 - Former Professor and Head of Department of Computer Science, IIT Kanpur.
- **DR. HEMLATA DIWAKAR (PROFESSOR)**
 - Ph.D. (Computer Science), IIT Delhi.
- **PROF. R. SANKAR (ADJUNCT PROFESSOR)**
 - D.Phil. (Computer Science), Oxford University.
 - Former Professor and Head of Department of Computer Science, IIT Kanpur.
- **MR. RUSTOM P. MODY (LECTURER)**
 - M.C.A. (Computer Science), University of Pune.
- **MR. S. N. SAPRE (LECTURER)**
 - M.Tech. (Computer Science), IIT Mumbai.
- **DR. UDAY KHEDKAR (READER)**
 - Ph.D. (Computer Science), IIT Mumbai.
- **DR. JAYANT KIRTANE (READER AND FORMER HEAD OF DEPARTMENT)**
 - Ph.D. (Computer Science), Pennsylvania State University.
- **DR. SMITA BEDEKAR (PROFESSOR, FORMER HEAD OF DEPARTMENT)**
 - Ph.D. (Mathematics), IIT Kanpur.

OUR VISITING FACULTY

NAME	COMPANY	SUBJECT
Mr. Abhijit Mane	Lemma Technologies	Advanced Database Concepts
Mr. Khandu Gore	OnlineSales.ai	Operating System Concepts
Mr. Manish Chauhan	JagoInvestor	Functional Programming
Mrs. Aditi Gosavi	Data direct network	File System
Ms. Anupama Laxminarayan	The Magus	Programming - I
Mr. Swapnil Sawdekar	Nvidia	Operating System
Mr. Hemant Pardeshi	Amazon	Scalable Systems Design
Mr. Dayanand Chinchure	CheckRed	Applied DevOps and Services
Mr. Piyush Chandwadkar	Broadcom	Advanced Distributed Systems
Mrs. Sneha Nikum	Kpoint	Advanced Algorithms
Mr. Saurabh Kukade	Seclore	Introduction to Programming
Ms. Laxmi Ahire	Wissen Technology	Problem Solving

LIFE AT PUCSD

Enveloped in greenery and a serene environment is where you find Pune University. Our department (PUCSD) is located near the heart of the university, imparting technical computer science knowledge to the upcoming generation with whole new fresh ideas coming from various parts of the globe. The sheer number of department entrance exam applicants gives an idea of how difficult it is to secure admission here.

PUCSD is full of intelligence, a ladleful of smartness, a good measure of talent, and versatility with a generous sprinkling of wit.

The vivacious academic atmosphere here ensures that lectures transform into interactive and informative discussions rather than monologues. The faculty be constantly challenging them to push them to their limits and thus enhancing their capabilities and inducing growth. Questions are always welcome by faculty not with standing whether they are stupid or bordering on genius, although answers are not spoon-fed. Not only faculty but seniors also show interest in solving the queries. The knowledge gained at PUCSD makes a student confident to face the technical world.

Guest lectures are organized which keeps students abeam with the latest advancement in the industry. In this entire busy schedule mentioned above, students also participate in extracurricular activities like trekking, Fresherix, Alumni meet, Traditional Day event, and Logout, which helps in boosting the creative potential of students.

With each passing day, as new technologies make their way into the tech world, employers keep raising their bar. Here at PUCSD, students are not taught a particular programming language. The students are mentored & encouraged to build their logic over a problem or program. We value problem-solving skills, cognitive thinking, critical thinking, and general reasoning & direct our students to excel in the same.

"THINK. CODE. EVOLVE – THE PUCSD WAY"

STREAMS OF STUDY

MASTERS IN COMPUTER APPLICATIONS (MCA)

The objective of the MCA programme is to train the students to meet the challenges of the Software Industry and R&D Sector with computational techniques. This programme aims at imparting comprehensive knowledge in the diverse areas of programming, problem-solving and implementation with a balanced emphasis on theory and practice. The programme, therefore, prepares students to take up positions as system analysts, system designers, programmers and managers in any area of computer software. With effect from Academic Year 2020-2022, this MCA degree course is a 4-semester programme.

[For detailed syllabus: - Click here](#)

Semester 1	Semester 2	Semester 3	Semester 4
Programming from First Principles	Data Organization for Program Construction	Communication Protocols	Internship
Processor Architecture and Design	Software Sub-systems for Hardware Virtualization	Software Component Engineering	Online Elective 1
Computational Mathematics	Computational Thinking	Degree Project-1	Online Elective 2
Persistent Data Management	Foundations of Data Analytics	3 Electives	-
Research Methodology	Mathematics of Computation - II (Part -II)	-	-
1 Elective	2 Electives	-	-

STREAMS OF STUDY

MSC. COMPUTER SCIENCE

The MSc Computer Science programme is a two-year, four-semester course offering in-depth knowledge of core computer science subjects. It is designed to prepare students for higher studies, research, or professional careers in software development.

As part of the updated curriculum introduced this academic year, MSc students will now undergo a mandatory 2-month On-the-Job Training (OJT), providing hands-on industry exposure and practical experience.

In the final semester, students also complete a comprehensive project, enabling them to apply their skills to real-world challenges. The programme focuses on enhancing technical proficiency, critical thinking, and innovation—preparing graduates for careers in software development, research, or higher studies

[For detailed syllabus: - Click here](#)

Semester 1	Semester 2	Semester 3	Semester 4
Programming – I	Programming – II	Programming – III	Formal Methods - 2
System - I	Mathematics to Data Management	Systems – II	Software Comprehension
Mathematics of Computation – I	Mathematics of Computation – II (Part – II)	Systems – III	Systems - IV
Mathematics of Computation – II (Part – I)	Foundations of computing	Formal Methods – I	Elective***
Research Methodology	2 Electives	1 Elective	Degree Project - 2
1 Elective	-	Degree Project - 1	OJT

ELECTIVE COURSES OFFERED

- **BUOYANCY IN AI SWAMP**
- **LOGIC, LEARNING AND COGNITION**
- **LOW LEVEL ASSEMBLY PROGRAMMING**
- **CATEGORIES, LOGIC AND OBJECT ORIENTED
PROGRAMMING**
- **ADVANCED TYPING**
- **AI: A FORCE MULTIPLIER TOOL**
- **BLOCKCHAIN TECHNOLOGY**
- **INFORMATION AND CYBERSECURITY**

SAMPLE ASSIGNMENTS

- Introduction to Programming:
 - The Functional Programming Language “PUGofer” was used to implement the following Assignments:
 - Developed graph-based solutions including pathfinding, and connected component analysis using recursive logic.
 - Built and applied trees, hashmaps, and dynamic arrays using functional paradigms to design high-performance, space-efficient database structures
 - Permutation and combination.
 - Implemented pattern matching algorithms for efficient identification and analysis of patterns within strings.
 - Implemented matrix rotation operations using functional programming techniques for structured data manipulation.
- Operating Systems:
 - Implemented file type identification using magic numbers to determine file formats based on their underlying file signatures.
 - Implemented inter-process communication using shared memory and system calls for efficient data exchange between processes.
 - File System Implementation (basic):
 - Implemented efficient mechanisms for storing, retrieving, and managing large files with minimum storage overhead.
 - Developed file management functionalities supporting storage, retrieval, and compression, incorporating Trie-based data structures for efficient data organization.
 - Implemented the challenge of storing, retrieving & deleting files from multiple scattered blocks.
 - Designed a template-based object editor supporting object creation, template saving, and reuse.
- Systems Programming:
 - Implemented communication mechanisms between multiple systems to enable distributed processing and data exchange
 - Designed mechanisms for distributing and storing large volumes of user data across multiple systems, with support for data storage and retrieval operations.

MSC PROJECTS

- **CONSTRAINT-DRIVEN CRICKET DATA PROCESSING**
- **GRAPH NEURAL NETWORK RECOMMENDATION ENGINE**
- **RUNTIME EXECUTION ANALYSIS FRAMEWORK**
- **TERMINAL BASED TEXT EDITOR**
- **MULTILINGUAL NEURAL MACHINE TRANSLATION**
- **CYBERBULLYING SPEECH DETECTION**
- **HAND GESTURE-BASED VIRTUAL MOUSE**
- **AI LEARNING ASSISTANT FOR AUTISTIC STUDENTS**
- **REAL-TIME MESSAGING APPLICATION**

MCA PROJECTS

- IN-MEMORY KEY-VALUE DATABASE ENGINE
- HARDWARE-ACCELERATED AES ENCRYPTION
- SMART AGRICULTURE PLATFORM
- DISTRIBUTED TERMINAL BASED CHAT APPLICATION
- E-VOTING SYSTEM USING BLOCKCHAIN
- AUTONOMOUS AI-INTEGRATED LINUX SHELL
- MULTI-AGENT JOB SEARCH ORCHESTRATOR
- ER DIAGRAM GENERATOR AND NORMALIZATION ENGINE
- VIDEO GAME SALES ANALYTICS

SOME COMPANIES WHERE OUR ALUMNI ARE PLACED

INDIA

- Accolite
- Adobe
- AFourTech
- Amdocs
- Amazon
- Amazatic Solutions
- AOL
- Aricent
- Avaya Labs
- Bloomberg
- Cadence
- C-DAC
- Capgemini
- Citigroup
- capita.co.uk
- Clarice
- Conexant
- Coriolis Technologies
- Cypress Semiconductors
- Deloitte
- Eternus Solutions
- FICO
- Fiberlink
- Flipkart
- GMC s/w Technology
- Google
- Groupon
- GS Lab
- Hewlett Packard
- HCL
- HGST
- IBM
- ibibo
- ICICI
- Infibeam
- Infotrellis
- Intel
- Josh Technologies
- Kuliza
- Kyazoonga
- Lucent
- MetaDesign
- Mercury Software
- MYS-STUDIOS
- McAfee
- Microsoft
- NetApp
- NVIDIA
- Novell
- One Convergence
- Oracle
- Persistent System
- PicSquare
- Principal Global Services
- PTC
- Pubmatic
- Quick Heal
- Qlogic
- RiseSmart HR Services
- SAP Labs
- Sapient
- Sasken
- SocialChamps Media Pvt. Ltd.
- Sokrati
- Sybase
- Symantec
- Syntel
- Tata Technologies Pvt. Ltd.
- TechLineage
- TechMahindra
- TechSoft India
- Texas Instruments
- TRDDC
- via.com
- Vignet
- VMWare
- Vyom Labs
- WebChutney
- Xento Systems
- Yahoo!
- i2 Technology

SOME COMPANIES WHERE OUR ALUMNI ARE PLACED

OVERSEAS RECRUITERS

- Amazon
- Chase
- Cisco
- Google
- Hewlett Packard
- HSBC
- IBM
- Lucent
- Microsoft
- Novell
- Oracle

RECRUITERS LIST

- Accolite
- AgroStar
- Arvind Internet
- Axtria
- ByteAlly
- Checkred India
- Commvault
- Coriolis Technologies
- Crackle
- CyberSponse
- Dataeaze
- DDN (Data Direct Networks)
- Diamanti
- Futops
- G10x
- Greenpath
- Incrux
- Ilauro Systems
- KPIT
- Kpoint Technologies
- Modak
- Nomura
- Nvidia
- Omniscient Software
- Pubmatic
- Samprama
- Sap Fioneer
- SiFive
- Smytten
- Torinit
- Tribetayling
- Vegrow

PLACEMENT PROCEDURE

STEP- 1	Companies/Organizations interested in recruiting PUCSD students contact Placement Cell, through email “ placecell.pucsd@gmail.com ”.
STEP- 2	Companies will have to revert a registration form containing job description, eligibility criteria, CTC and selection process to confirm themselves for the drive, which later will be notified to the students.
STEP- 3	Companies will be given a slot based on the CTC/Stipend that they are offering.
STEP- 4	After the selection process, the company is required to give the final list of selected candidates to the placement cell within the span of 2 days.

CONTACT US

DR. PALLAVI MANDHARE : +91 9422512387
(ASST. PROFESSOR, PLACEMENT CO-ORDINATOR)

PLACEMENT CELL MEMBERS

Nikhil Thorat	: +91 9975184523
Shreyash Sawant	: +91 9765739563
Vaishnavi Shinde	: +91 9370949085
Yukta Patil	: +91 9370597246

EMAIL

- placecell.pucsd@gmail.com

WEBSITE

- <http://unipune.ac.in/pucsd>

ADDRESS

- Department of Computer Science,
Savitribai Phule Pune University,
Ganeshkhind, Pune, Maharashtra 411007.