

### Department Vision

To be an eminent Department that provides exemplary education that would nurture innovative thinking, quality research and there by grooming students to become skilled professionals and researchers in various field of Computer Engineering

### Department Mission

- ♦ To provide a conducive environment that offers an enriching learning experience and motivate students towards innovative thinking and research
- ♦ To equip students with technical skills that would help them develop efficient software solutions
- ♦ To enhance industry academia dialog enabling students to inculcate professional skills within them
- ♦ To incorporate social and ethical awareness among our graduates to make them conscientious professionals



### From HoD's Desk



Computer Engineering is one of the most flourishing disciplines in recent times. With increased demand among recruiters, this domain has become the preferred line of study among students as well. The department was launched keeping in view the dynamic nature of the IT industry and the ever increasing demand for quality and well-trained IT professionals. At our department we seek to combine excellence in education with service to the IT industry. The Department of Computer Engineering is one of the core departments I<sup>2</sup>IT and it offers a Bachelor of Engineering (B.E.) and Master of Technology (M.Tech) degrees in Computer Engineering. The State of the art infrastructure experienced teaching faculty members and sufficiently supportive team members ensure that students can be assured of quality education. Regular interaction among students, parents and staff, along with the Training and Placement Cell ensures a bright future for students. The Department of Computer Engineering strives to provide innovative and quality education with high standard so as to achieve academic excellence and create a conducive platform for the students to achieve their career goals. Welcome to Department of Computer Engineering and wish you great academics ahead.

**Dr. Ajitkumar Shitole**  
HoD (Computer Engineering)

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### Our Department

#### Program Educational Objectives

- ✓ To develop technically competent Computer Engineers with proficient domain knowledge, research attitude and innovative thinking.
- ✓ To foster committed graduates with a life-long learning attitude and entrepreneurship spirit for successful career.
- ✓ To inculcate professional ethics, managerial and communication skills to accomplish a worthy career in all spheres of Computer Engineering.
- ✓ To nurture socially aware engineers who can develop effective solutions for the betterment of the community and the nation.

|                                    |              |
|------------------------------------|--------------|
| <b>Intake capacity</b>             | <b>: 180</b> |
| <b>Total No. of Students</b>       | <b>: 582</b> |
| <b>Associate Professors</b>        | <b>: 03</b>  |
| <b>Assistant Professors</b>        | <b>: 25</b>  |
| <b>Our Technical Support Staff</b> | <b>: 02</b>  |
| <b>Number of Classrooms</b>        | <b>: 07</b>  |
| <b>Number of laboratories</b>      | <b>: 10</b>  |

#### Our Renowned Faculty

- |                           |                        |
|---------------------------|------------------------|
| ❖ Dr. Ajitkumar Shitole   | ❖ Dr. Sandeep Patil    |
| ❖ Dr. Deepak Uplaonkar    | ❖ Dr. Deptii Chaudhari |
| ❖ Dr. Prateeksha Chouksey |                        |

#### Ph. D Pursuing Faculties

- |                            |                          |
|----------------------------|--------------------------|
| ❖ Prof. Ashwini Jarali     | ❖ Prof. Pallavi Yavale   |
| ❖ Prof. Kimi Ramteke       | ❖ Prof. Suvarna Sonone   |
| ❖ Prof. Mukesh More        | ❖ Prof. Lata Verna       |
| ❖ Prof. Prakash Kshirsagar | ❖ Prof. Pradnya Shinde   |
| ❖ Prof. Mahadevi Namose    | ❖ Prof. Poonam Deokar    |
| ❖ Prof. Shital Wadganve    | ❖ Prof. Shilpa Ghodage   |
| ❖ Prof. Manisha Ambekar    | ❖ Prof. Trupti Sonkusare |

- |                           |                          |
|---------------------------|--------------------------|
| ❖ Prof. Vrushali Dharmale | ❖ Prof. Roma Paliwal     |
| ❖ Prof. Rohini Jawale     | ❖ Prof. Nitika Sharma    |
| ❖ Prof. Shubhangi K.      | ❖ Prof. Rajashri Bandgar |
| ❖ Prof. Suraksha Mane     | ❖ Prof. Prashant Sakunde |
| ❖ Prof. Poonam Nikam      |                          |

#### Our Technical Support Staff

- |                     |                     |
|---------------------|---------------------|
| ❖ Mr. Vishal Shinde | ❖ Mr. Nitin Tarange |
|---------------------|---------------------|

## DEPARTMENT ACTIVITIES

### Guest Lectures

- Session on “Basics of Performance Engineering and Computing” by Surya Narayanan Natrajan, Performance Engineering Group Manager, at Evuden on 5<sup>th</sup> February 2026.
- Session on “From Concept to Interface: UI/UX in Engineering Product Design” by Mrs. Kavita Mattalamani, Senior UI/UX Consultant, Wruth IT India Pvt Ltd., Pune on 10<sup>th</sup> March 2026.

### Add-On Courses

- “Python for Machine Learning: From Zero to Hero” for SE students by Mr. Yogesh Murumkar, CEO, Bharat Soft Solutions, Pune from 9<sup>th</sup> February to 13<sup>th</sup> February 2026.
- Add-on Course on "Foundations of Cyber Security and Secure Cloud Computing (AWS)" for TE students by Mr. Tejas Limaye, Founder & Director, Appwizer Solutions, OPC private Limited, Pune from 10<sup>th</sup> February to 18<sup>th</sup> February 2026.

### Value Added Courses

- Value Added Course on “Generative AI & Agentic AI: From Foundations to Hands-on Applications” by Mr. Nikhil Warge, GenAI Developer, Ernst and Young, Pune from 14<sup>th</sup> February and 21<sup>st</sup> February 2026.
- Value Added Course on “REST API Based Micro services in FastAPI” by Mr. Krishnakant Mane Founder and CTO, Bookmatic Pvt. Ltd. on 13<sup>th</sup> February 2026.

### Industrial Visit

- Industrial Visit to “Reliance Jio Infocom Ltd, Vashi, Mumbai” on 7<sup>th</sup> April 2026 conducted by Mr. Rukmanna Kharatmol, Event Manager, Reliance Jio Infocom Ltd.
- Industrial Visit to “Environment Conservation Association” on 10<sup>th</sup> March to 12<sup>th</sup> March 2026 to Bhosari, Pune.

## Students' Association Activities-CESA

- "From Chips to Code: Pathways for Engineers in the Semiconductor Industry" by Mr. Anubhav Mattoo, Project Engineer , HPC-Tech C-DAC, Pune on 9th January 2026.
- "Blood Donation Camp" was organized in college campus on 6<sup>th</sup> March 2026.
- "Verses of Symphony 3.0 – A Women's Day Celebration" by Dr. Komal Mohite and Dr. Bhakti Ghate on 23<sup>rd</sup> March 2026.
- "Forged in Blender -3D Challenge" held at I2IT, Pune on 28th March 2026.
- "I2IT Project Expo 2026" for Diploma Students was organized by I2IT, Pune on 17th March 2026.

## Sponsored Projects

- Project entitled "Your Honor: AI-Driven Legal Reasoning and Document Automation" by Rishiraj Awasthi, Jay Pareek, Vedant Salvi, Sakshi Soni has received sponsorship from AI2AW Systems Pvt. Ltd.
- Project entitled "Lightweight and scalable feature reduction approach for cyber defense systems" by Rutuja shinde, Neha kirve, Harish Tiwari, Harshal nikalje has received sponsorship from KasNet Technologies Pvt. Ltd.
- Project entitled "Alumni Tree/Tracking System" by Miss. Pratiksha Ture, Miss. Aboli Senapati, Miss. Shruti Pratap, Mr. Shubham Sharma nikalje has received sponsorship from ITE Software Solutions Pvt. Ltd.
- Project entitled "Efficient email management system using Agentic AI" by Rudra More, Aditya Suryawanshi, Anuja Vyalij, Sara Mhaske has received sponsorship from Mass IT Solutions.
- Project entitled " AI-Driven Network Immunity: A Deep Learning Approach to Intrusion Detection" by Rudra Metha, Ganesh Nikam, Aditya Talape has received sponsorship from KasNet Technologies Pvt. Ltd.

## Students' Chapter Activities-ACM

- "Eminent Speaker Program" was organized by ACM, I2IT conducted by of Dr. Gururaj HL (Associate Prof., MIT Bangalore) on 18th March 2026.
- I2IT Project Expo 2026 for Diploma Students was organized by I2IT , Pune on 17th March 2026.

## Faculty Publications

- Paper entitled "A Critical Survey: Real Time Exercise Detection and Correction" published by Prof. Kimi Ramteke in International Conference on Emerging Technologies and Future Innovations (ETFI-2026) from 12<sup>th</sup> to 14<sup>th</sup> February 2026.
- Paper entitled "Quantum and Advanced Computing for Precision Instrumentation Using Quantum Computing for Optimizing 3-D Scenes and Their Lighting" by Dr. Deepak S. Uplaonkar in International Conference on Emerging Technologies and Future Innovations (ETFI-2026) from 12<sup>th</sup> to 14<sup>th</sup> February 2026.
- Paper entitled "A Comprehensive Review on Real-Time Crowd Emotion Analyzer" by Prof. Kimi Ramteke in 4th International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2026) from 28<sup>th</sup> to 30<sup>th</sup> May 2026.
- Paper entitled "Farmer Credit Worthiness Scoring Using AI" by Prof. Pradnya N. Shinde in 8<sup>th</sup> International Conference on Intelligent Sustainable Systems (ICISS 2026), hosted by SCAD College of Engineering and Technology, Tirunelveli, India from 4<sup>th</sup> to 6<sup>th</sup> March 2026.

## Faculty Publications

- Paper entitled “Credit Card Fraud Detection using Logistic Regression” by Prof. Pradnya N. Shinde in International Conference on Responsible, Risk Aware And Regulated AI(RRRAI-2026) from 3<sup>rd</sup> to 4<sup>th</sup> April 2026.
- Paper entitled “Viyom ~ A Transparent Blockchain-based Donation & Fund Allocation Platform” by Prof. Pradnya N. Shinde in International Conference on Sustainable Management and Advanced Research Technologies (ICSMART 2026) from 27<sup>th</sup> to 28<sup>th</sup> March 2026.
- Paper entitled “AI-Enhanced Breast Cancer Screening with Deep Transfer Learning” by Prof. Trupti Sonkusare in International Conference on Emerging trends and Innovations in ICT (ICEI-2026) from 9<sup>th</sup> to 11<sup>th</sup> January 2026.
- Paper entitled “An Exploring use of GeoGebra software in the domain of Science and Technology” by Prof. Rohini Vasant Jawale EPJ Web of Conferences 356, 02012 (2026) from 9<sup>th</sup> to 11<sup>th</sup> January 2026.
- Paper entitled “Automated Propaganda Spans and Technique Detection in Hindi Content using Transformer-based Language Models” published by Dr. Deptii Chaudhari in International Journal of Computing and Digital Systems in April 2026 ISSN No. 2210-142X.
- Paper entitled “Lightweight and Scalable Feature Reduction Approach for Cyber Defense System” published by Prof. Prakash kshirsagar in International Journal of Web of Multidisciplinary Studies on 5<sup>th</sup> January 2026.
- Paper entitled “Legal Documents Summarizer and Simplifier using Natural Language Processing Techniques” published by Prof. Deptii Chaudhari in 2026 International Conference on Emerging Technologies and Future Innovations (ETFI) from 12<sup>th</sup> to 14<sup>th</sup> February 2026.
- Paper entitled “Quantum-Classical Hybrid Model for Retinal Disease Classification with Interpretability” published by Prof. Lata Verma ,2026 International Conference on Emerging Technologies and Future Innovations (ETFI) from 12<sup>th</sup> to 14<sup>th</sup> February 2026, 979-8-3315-8265-4

## Faculty Publications

- Paper entitled “A Comprehensive Review of EEG-Based Brain Computer Interface Systems” published by Dr. Prateeksha Chouksey in 10th International Conference on Smart Trends in Computing and Communications from 19<sup>th</sup> to 21<sup>st</sup> January 2026 , ISSN: 2367-3370, eISSN: 2367-3389, ISBN:978-3-032-26905-8
- Paper entitled “Marine Lens: A Multi-Modal Machine Learning Framework for Marine Environmental Monitoring and Fishing Spot Detection” published by Dr. Prateeksha Chouksey in 2nd Congress on Intelligent Machines and Algorithms (CIMA2026) from 23<sup>rd</sup> to 24<sup>th</sup> May 2026.
- Paper entitled “DeepFence: An Advanced AI-Based Synthetic Media Detection Framework” published by Prof. Pradnya Shinde , International Conference on Responsible, Risk Aware And Regulated AI (RRRAI-2026) from 3<sup>rd</sup> to 4<sup>th</sup> April 2026, Print ISBN978-981-96-7990-4 Online ISBN978-981-96-7991-1
- Paper entitled “Leveraging Pharmacogenomics for Precision Medicine: A Blockchain Approach to Secure Data Sharing” published by Prof. Roma Paliwal , 6G Communications Networking and Signal Processing Proceedings of the 3rd International Conference, SGCNSP 2025 on 1<sup>st</sup> February 2026, Print ISBN978-981-96-7990-4 Online ISBN978-981-96-7991-1

## Faculty Achievements

- Paper entitled “Using Quantum Computing for Optimizing 3-D Scenes and Their Lighting” by Dr. Deepak Uplaonkar has been awarded for “Best Paper Presentation” in the track Quantum & Advanced Computing for Precision Instrumentation at International Conference on Emerging Technologies and Future Innovations (ITFI-2026) at School of Engineering and Technology, from 12<sup>th</sup> February to 14<sup>th</sup> February 2026.
- Dr. Deepak Uplaonkar has published a book chapter “18 Personality prediction based on big five model: A literature review” in book “Emerging Technologies in AI, Computation, Communication, and Cybersecurity” published by Taylor & Francis, CRC Press.

## Faculty Achievements

- Dr. Ajitkumar Shitole was Session Chair for International Conference on Innovation and Growth in Next-Gen Intelligent Technology & Engineering 2026 (IGNITE-2026), KJ College of Engineering and Management Research, Pune, 17<sup>th</sup> to 19<sup>th</sup> June 2026.
- Dr. Ajitkumar Shitole was Departmental Advisory Board (DAB) member for the department of Computer Engineering at Bharati Vidyapeeth COE Lavale Pune, June 2026.
- Dr. Ajitkumar Shitole was Expert for the PhD in Information Technology in Doctoral Research Committee (DRC) at the Amity Institute of Information Technology, Amity University Maharashtra, held on Thursday, 29 June 2026.
- Prof. Suvarna Sonone has completed 8 weeks NPTEL online certification course on Assessment of Student Performance with 76% from February to April 2026.
- Prof. Nitika Sharma has completed 4 weeks NPTEL online certification course on Software Testing with 66% from February to March 2026.
- Prof. Rohini Jawale has completed 8 weeks NPTEL online certification course on Assessment of Student Performance with 56% from February to April 2026.
- Prof. Prashant Sakunde has completed 8 weeks NPTEL online certification course on Assessment of Student Performance with 80% from January to March 2026.
- Patent entitled “Healthcare Assisting AI -KIOSK” by Dr. Prateeksha Chouksey has received grant on 14<sup>th</sup> January 2026.
- Patent entitled “AI Based Cervical Cancer Screening Device” by Prof. Trupti sonkusare has received grant on 18<sup>th</sup> March 2026.
- Patent entitled “Decision Support System for Precision Agriculture” by Prof. Pallavi Yevale has received grant on 24<sup>th</sup> April 2026.

# **The Team**

## **Content**

**Dr. Ajitkumar Shitole**

Head, Department of Computer Engineering

## **Faculty Editor**

**Prof. Trupti Sonkusare**

## **Student Editor**

**Rudra More**

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