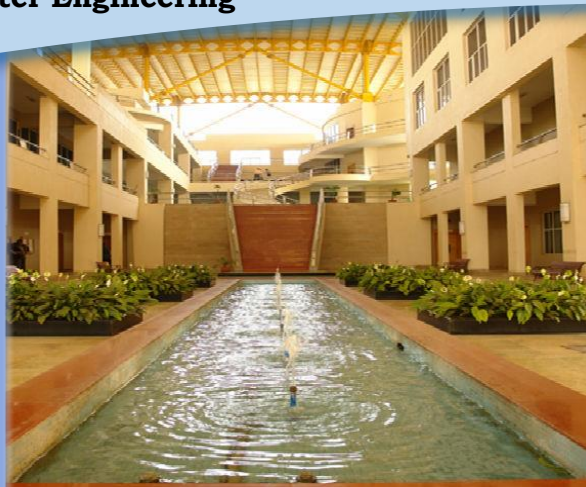## Department Vision

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

In this issue

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 I²IT and it offers a Bachelor of Engineering (B.E.) degree 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)

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.

Intake capacity	: 120
Associate Professors	: 03
Assistant Professors	: 08
Lab. Assistants	: 02
Number of Classrooms	: 03
Number of laboratories	: 08

Our Renowned Faculty
❖ Dr.Ajitkumar Shitole
❖ Dr. Sandeep Patil
❖ Dr. Uma Godase
❖ Prof. Ashwini Jarali (ME CE)
❖ Prof. Deptii Chaudhari (PhD Pursuing)
❖ Prof. Kimi Ramteke (ME CE)
❖ Prof. Mukesh More (ME CE)
❖ Prof. Shilpa Jadhao (ME CE)
❖ Prof. Nitin Alzende (ME CE)
❖ Prof. Sunil Sushir (ME CE)
❖ Prof. Mohini Arote (PhD Pursuing)

Our Support Staff
❖ Mr. Akshay Chavan
❖ Ms. Pragati Ghodake

DEPARTMENT ACTIVITIES

Guest Lectures

- Orientation session on Japanese Language by Ms. Shruti Channagiri Director, Hiramechi Solutions India Pvt. Ltd. Pune on 04-01-2022
- Introduction to Tableau by Mr. Sourabh Gurav Senior Data Consultant, HCL Technologies on 19-01-2022
- Webinar on Career opportunities after GATE exam by Mr. Akash Pushkar Faculty, The GATE Academy on 22-01-2022
- Introduction to Java programming by Mr. Suchit Gajbhiye, Trainer and Senior Java Developer Bharat Soft Solutions on 17-02-2022
- The tale of Two Worlds: My journey from B.E. to Ph.D. by Mr. A Eashaan Rao, Ph.D. Scholar Indian Institute of Technology, Tirupati on 28-02-2022
- Corporate world and the expectations by Ms. Hulasi Khinvasara (Business Technology Solutions Associate ZS Associates), Mr. Sudhanshu Kulkarni (Software Engineer ElasticRun and Mr. Shubham Varma(Digital Specialist Engineer Infosys) on 10-03-2022
- The Internet of Things and Universal Object Interaction by Mr. Yadnesh Zagade CEO Tech Cryptors Private Limited on 01-05-2022
- Workshop on Hadoop Installation by Mr. Yogesh Murumkar CEO Bharat Software Solutions on 04-05-2022

Add - On Courses

- Full stack development with React and Node on 22th, 24th, 25th and 27th January 2022 by Mr. Ganesh Pawar CEO Curiculo Live
- Introduction to Java programming on 18th, 19th, 25th & 26th February 2022 by Mr. Suchit Gajbhiye, Trainer and Senior Java Developer Bharat Soft Solutions

Value Added Course

- Tableau Development on the Server by Mr. Sourabh Gurav Senior Data Consultant, HCL Technologies on 20th & 21st January 2022

Faculty Development Program

- Department conducted a Faculty Development Program on Data Science and Big Data Analytics on 08-02-2022 in association with BoS Computer Engineering SPPU.

Students' Association Activities - CESA

- Social Event: Cleanliness drive on 08-01-2022
- Awareness to avoid the use of plastics bags on 16-02-2022
- Awareness to wear a mask and distribution of Mask on 17-02-2022

Department MoUs

- Department has signed an MoU with TECH CRYPTORS Private Limited. An Orientation Session on "The Internet of Things and Universal Object Interaction" was conducted under this MoU.
- Department has signed an MoU with Bharat Soft Solutions for technical project sponsorships and workshops.
- Department has also signed an MoU with Infinity Labs Ltd. and Light Info Systems.

Sponsored Projects

- Project titled "House Price Prediction using Supervised Learning" by Bhistannavar Vidya, Mahale Aditi, Chauhan Nikita, Vedang Matey received technical sponsorship from Nilkanth Associates, Pune.
- Project titled "Social Media Workflow Tool" by Prathamesh Kurunkar, Nikhil Varghese, Onkar Sawant, Pranav Mene received technical sponsorship from Klaimify Private Limited
- Project titled "CCMS Panel Data Abstraction and Integration" by Sadiya Shaikh, Shreya Kuvalekar, Mrunal Shende, Sadik Shaikh received technical sponsorship from Kshiti Infotech.
- Project titled "Music Generation using LSTM Model" by Swapnil Thorat, Shubham Patil, Sankalp Wanjari, Vinod Shende received technical sponsorship from Neuro Master Tech.
- Project titled "Automated Electricity Billing approach for cooperation" by Abhijeet Kulkarni, Dipanshu Gupta, Gaurav Jaybhay is technically sponsored by Thane Municipal Corporation, Thane.
- Project titled "Automatic Quality Assessment and Disease Detection of Crops using Deep Learning" by Pranav Deshmukh, Shreyash Tehare, Sanjeev Patle is technically sponsored by Globeminds Tech. Pvt. Ltd
- Project titled "Smart Road Safety System" by Patil Nachiket Sandeep, Mahesh Arun Patil, Bhaskar Shreeram Machhind is technically sponsored by Khedkar Motor Driving School.
- Project titled "Hate Speech Detection Using Machine Learning Techniques" by Deshpande Swapnil Prashant,Ghante Prerna Vinod, Kale Abhijeet Dattatray, Gajbhiye Disha Shashank is technically sponsored by Bharatsoft Solutions.
- Project titled "AI and Block Chain Management for Healhtcare" by Atharv Kulkarni, Lalkrishna Joshi, Yukta More, Anjali Mudaliar is technically sponsored by Bharatsoft Solutions.

Students' Achievements

- Abhijeet Kulkarni received 9th Rank in Computer Engineering (SE-2015) SPPU Pune.
- Akalbir Singh Chadhda received Outstanding Student Volunteer 2021 Award from IEEE Pune Section.
- Rutuja Jangle received Student Member Volunteer of Year 2021 Award from IEEE Pune Section.
- Prathmesh Kurunkar completed certification as "Infosys Certified Software Programmer".
- Rishabh Karmakar completed certification as "Infosys Certified Software Programmer".
- Rohini Rao is selected as GitHub Campus Expert by Github.
- Prathmesh Kurunkar received Special Award – Technical at International Institute of Information Technology, Pune.
- Abhijeet Kulkarni received Academic Excellence Awards at International Institute of Information Technology, Pune.
- Kundan Agarwal received Academic Excellence Awards for being First Year Topper (FE 2020-2021) at Institute of Information Technology, Pune.
- Kunal Jawane received First Position Tug of War at ASKARA 2021-22 at International Institute of Information Technology, Pune.
- Aniket Sable and Abhishek Patil received Second Position at Kabaddi at ASKARA 2021-22 at International Institute of Information Technology, Pune.
- Ashutosh Jadhav received Patron Awards at International Institute of Information Technology, Pune.
- Palak Oza was the winner of Entrepreneurship Challenge Competition 2022 held at Institute of Information Technology, Pune.

Students & Faculty Publications

- "A Bibliometric Approach to Track Research Trends in Computer-Aided Early Detection of Cancer Using Biomedical Imaging Techniques" Mukta Kore, Deepali Nilesh Naik, Deptii Chaudhari, Journal of Scientometric Research January 2022 ISSN: 2320-0057
- "Library Management using Voice Assistance" Samiksha Gaikwad, Swathi Balaji, Shriya Purandare, Kimi Ramteke, IJISRT (International Journal of Innovative Science and Research Technology) February 2022 ISSN: 2456-2165
- "H-Prop and H-Prop-News: Computational Propaganda Datasets in Hindi" Deptii Chaudhari , Ambika Vishal Pawar and Alberto Barrón-Cedeño, Data Journal February 2022 ISSN: 2306-5729
- "Automatic Quality Assessment and Disease Detection of Crops using Deep Learning: An Overview", Pranav Deshmukh, Shreyash Tehare, Sanjeev Patle, Prof. Kimi Ramteke, Journal of Emerging Technologies and Innovative Research (JETIR) March 2022 ISSN: 2349-5162
- "A Review On Decentralization In Healthcare Systems Using Blockchain", Atharv Kulkarni, Yukta More, Anjali Mudaliar, Lalkrishna Joshi, Deptii Chaudhari, International Journal of Creative Research Thoughts (IJCRT) April 2022 ISSN: 2320-2882
- "OptDCE: An Optimal and Diverse Classifier Ensemble for Imbalanced Datasets", Uma Godase, Darshan Medhane, International Journal of Computer Information Systems and Industrial Management Applications April 2022 ISSN: 2150-7988
- "A Systematic Bibliometric Analysis of Hate Speech Detection on Social Media Sites" Akshaya Gangurde, Purva Mankar, Deptii Chaudhari, and Ambika Pawar, Journal of Scientometric Research May 2022.
- Ketaki Nirantar, Pooja Hiremath, Rishabh Karmakar presented paper titled "Blockchain based Supply Chain Management" in 3rd International Conference of Emerging Technology (INCET 2022)
- Aditya Srivastava, Ghanpathi Rupak, Chattar Arjun, Bhosikar Rohan, Ajitkumar Shitole presented paper titled "Blockchain based Land Registry System" at 3rd International Conference on Advances in Engineering, Technology & Business Management (ICAETBM-2022).
- Bhistannavar Vidya, Mahale Aditi, Chauhan Nikita, Vedang Matey, Ajitkumar Shitole presented paper titled "Housing Price Prediction Using Supervised Learning" at 3rd International Conference on Advances in Engineering, Technology & Business Management (ICAETBM-2022).

Faculty Achievements

❖ Dr. Ajitkumar Shitole was Reviewer and Session Chair at CPGCON -2022 at Marathwada Mitra Mandals College of Engineering and Board of Studies In Computer Engineering, SPPU Pune.

❖ Dr. Ajitkumar Shitole is selected as Board of Studies Member for BCA/BSC(IT) and MBA Amity Institute of Information Technology, Mumbai.

❖ Dr. Ajitkumar Shitole was a Resource Person for One day SPPU Faculty Developement Program on "Data Structure and Algorithms" for AIDS Branch at Departement of Computer Engineering, Sandip Foundations, Sandip Institute of Technology and Research Centre , Nashik.

❖ Dr. Ajitkumar Shitole is selected as Doctoral Research Commitee Member at Amity Institute of Information Technology, Amity University Mumbai.

❖ Dr. Ajitkumar Shitole received Best Faculty Award at The League of Erudite an Educator Meet 2022 at ITM- Institute for Technology and Management, Kharghar, Navi Mumbai.

❖ Dr. Sandeep Patil was Program Committee Member for Sixth Research Symposium on Computing 2022 at Walchand College of Engineering, Sangli.

❖ Dr. Sandeep Patil is elected as Secretary at EMBS IEEE Pune Section.

❖ Dr. Sandeep Patil was Reviewer and Session Chair at CPGCON -2022 at Marathwada Mitra Mandals College of Engineering and Board of Studies In Computer Engineering, SPPU Pune.

❖ Dr. Sandeep Patil was Subject Expert for Faculty Interview Process at DYPCOE, Pune.

❖ Dr. Sandeep Patil was Reviewer at 2nd International Conference on Emerging Trends and Innovations in ICT (ICEI-2022) organized by PICT Pune.

❖ Dr. Uma Godase was Reviewer for Journal of Experimental and Theoretical Artificial Intelligence (JETA) and Journal of Pharmaceutical Research International (JPRI)

❖ Dr. Uma Godase was Reviewer and Session Chair at CPGCON -2022 at Marathwada Mitra Mandals College of Engineering and Board of Studies In Computer Engineering, SPPU Pune.

The Team

Content

Dr. Ajitkumar Shitole

Head, Department of Computer Engineering

Editor

Prof. Deptii Chaudhari

Assistant Professor, Department of Computer Engineering

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