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Department of Computer Science & Engineering,
Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Name of the Faculty Editors:

Dr. J. M. Patil, Dr. N. M Kandoi, Prof. C.M. Mankar

Names of Student Editors and Their Semesters

Mr. Jai Joshi, Mr. Om Kadu- Fifth Sem

30 December 2025

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Department Vision and Mission

Vision:

To achieve global recognition in Computer Science and Engineering education to serve the growing needs of industry and society.

Mission:

- To imbibe programming skills in latest areas of computer science through project work
- To prepare the Innovators, Entrepreneur, Researchers and Educationalist through quality education and Industry Institute Interaction
- To prepare good human beings who work with missionary zeal for upliftment of society.

Industry-Sponsored Cyber Security Laboratory – CSE Department

The CSE Department of SSGMCE, Shegaon, has established a Cyber Security Laboratory with the support of PHRONESIS–Partner, Noida, led by esteemed alumnus Mr. Alok Tayal (CSE 1985–89 Batch),



Research Activity @ CSE department

By: Prof Rupalli Zambare , R&D Coordinator



- The Department extends its heartfelt congratulations to Mr. V. S. Mahalle on being awarded the Doctoral Degree (Ph.D.) by Sant Gadge Baba Amravati University on 5th December 2025, in the Faculty of Computer Engineering, under the esteemed guidance of Dr. N. M. Kandoi, Faculty, SSGMCE, SHEGAON
- Dr. N. M. Kandoi successfully supervised Ms. P. V. Kale, Research Scholar, who completed her Ph.D. pre-defence viva voce on 18 December 2025.
- Prof. S. B. Pagruti Published Two Patents titled as Vision-Based Object Sensing & Detection for Low-Flying UAVs (Publication Date: 03/10/2025) and AEROVISION: UAV-Based Aerial Survey and Vision-Based Data Acquisition (19/12/2025), One Copyright titled as “QR CODE BASED TIME EFFICIENT ATTENDACE MANAGMENT WEB PORTAL(28/11/2025)”
- Paper Published in Web of Science Journal “SyVCO-RSYv5: Rolling Shutter Based Deep Learning Model for Obstacle Detection and Distance Measurement for Low-Flying Drones”
- Paper Published in IEEE and Scopus Proceeding Conference “Unmanned Aerial Vehicles and Low-Flying Drones: A Review of Classification”

Faculty Achievement – CSE Department

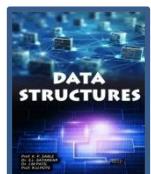
- Department congratulates **Prof. C. M. Mankar** and **Dr. V. S. Mahalle** for successfully completing the “*Cybersecurity under TCS’s Virtual APEX Faculty Development Programme*”, promoted by the Training & Placement Cell.
- **Dr. Narendra Kandoi** and **Dr. V. S. Mahalle** received the **Best Paper Award** for their research titled “*Design and Development of Content-Aware Image Retrieval System using Multi-Attention Residual Shrinkage Convolution Neural Network with AlexNet*” at the **5th International Conference on Machine Learning & Big Data Analytics (ICMLBDA 2025)**, organized by ICS Global and held at **MES College, Marampally, Kerala, India**, on 7–8 November 2025

Notable Faculty Achievements: -Dr. J.M.Patil

- Published the book “**Data Structures**” with Alpha International Publication, available on Amazon and Flipkart.
- Published a Scopus-indexed research paper on semiconductor band gap analysis in the *Journal of Nano- and Electronic Physics* (Aug 2025).
- Completed **Train-the-Trainer Workshop** on AI, ML & Deep Learning at the Intel® Unnati Lab (June–July 2025).
- Successfully completed an **International FDP on Generative AI & Large Language Models** (Nov 2025).
- Conferred with the “**Bhisma Acharya**” Award for exemplary contributions to research and education.



Academic and Professional Achievements of Prof. Kalyani P. Sable



- Published the book “*Data Structures*” with Alpha International Publication (2025).
- Organized a placement drive with **Piaggio Pvt. Ltd., Pune**, resulting in the selection of two students.
- Received an **Appreciation Certificate** from **Google** for mentoring students under the *Google Cloud Career Launchpad Program* (2025).
- Organized a **Skill Development Programme** titled “*Get Placed Right: A Session with a Star Achiever*” on **26 July 2025**.
- Organized a **Skill Development Programme** titled “*Web Development Demystified: From HTML to Full Stack*” on **22 November 2025**.
- Successfully completed **ATAL** and other **Faculty Development Programmes**

Notable Faculty Achievements: -Dr. P.K. Bharne

- **Copyright Registration** granted for “*Model for Measurement of Job Satisfaction of Teaching Employees and Stakeholder-Based Improvement Solutions*” (10 July 2025).
- Served as **NBA Auditor** for Mock Audit Process Verification at Government Polytechnic, Khamgaon (30 August 2025).
- Acted as **Resource Person** for a one-day hands-on session on “*Exploration of AI/ML Using Python from Scratch*” (24 September 2025).
- **Skill Development Programme** organized, titled “*Equations to Innovations: Reconstructing Engineering for the Modern Era*” with Ms Gargi Tela on **27 Sep 2025**
- **Four research papers were published** at the *5th International Conference on Machine Learning & Big Data Analytics (ICMLBDA 2025)*, organized by **ICS Global** and held at **MES College, Marampally, Kerala (India)** on **7–8 November 2025 (Hybrid Mode)**,
 - Workforce analytics and job satisfaction measurement
 - Content-aware image retrieval using advanced deep learning models
 - Hybrid deep learning approaches (LSTM + SOM) for fog computing
 - Digital evidence extraction from social media for law enforcement



Academic and Professional Achievements of Dr. V. S. Mahalle Faculty@CSE Dept

	<ul style="list-style-type: none"> • Successfully defended the Ph.D. viva-voce and open defense, and was declared eligible for the award of the Ph.D. degree as per the notification dated 28 November 2025.
	<ul style="list-style-type: none"> • Received the Best Paper Award for the research work titled “<i>Design and Development of a Content-Aware Image Retrieval System using a Multi-Attention Residual Shrinkage Convolutional Neural Network with AlexNet</i>” at the 5th International Conference on Machine Learning & Big Data Analytics (ICMLBDA 2025), held at MES College, Marampally, Kerala on 7–8 November 2025.
	<ul style="list-style-type: none"> • Co-authored and presented a research paper titled “<i>The Future of Workforce Analytics: Quantifying Job Satisfaction with Advanced Tools</i>” at ICMLBDA 2025, organized by ICS Global. • Awarded Certificates of Appreciation by SSGMCE for extraordinary contributions towards quality publications, patent publications, and for being conferred the Best Researcher Award on 15 September 2025.
	<ul style="list-style-type: none"> • Successfully completed the 40-hour Virtual APEX Faculty Development Program on Cybersecurity, organized by TCS, and was recognized as a Mentor in Cybersecurity (06 Oct – 10 Nov 2025).

Academic and Professional Achievements of Dr. Rupali Zamare

- Presented a research paper on an **Explainable AI-based breast cancer awareness platform** at the 5th International Conference ICTBIG, Symbiosis University of Applied Sciences, Indore.
- Participated in a **one-week Online FDP on Universal Human Values and Ethics (NEP-2020)** organized by AICTE-UHV (Nov 2025).
- Served as a **resource person** for a one-day hands-on session on **AI/ML using Python from Scratch** (Sept 2025).



CSE Students Shine at Aavishkar 2025 (District Level)

CSE Final-Year Students Excelled at Aavishkar 2025 (District Level) organized by SGBAU and hosted at Rajarshi Shahu College of Pharmacy, Buldhana (14 Nov 2025).

- First Prize:** Krushna Vilas Kulthe & Mayuri Vikramsingh Tomar for “*CET GURU*” — an AI-powered personalized admission guidance platform.
- Second Prize:** Piyush Nandlal Agrova & Nandini Jagdish Jambhulkar for “*TestTube.ai – Brew Your Brilliance*”.

Academic and Professional Achievements of Prof. Shrijeet B. Pagrut



- 34 Students Successfully Passed Wipro Certified Database Solution Expert Assessment under Guidance of S. B. Pagrut
- Vikas More Won 1st Rank in Institute Level Hackathon under Guidance of S. B. Pagrut and Got Copyright Certificate for QR Based Attendance System.
- 2 Students Placed and 5 Students got Internship in IdeaForge, Mumbai by coordination of S. B. Pagrut, Faculty Advisor of Drone Club, SSGMCE, Shegaon
- Got 1st Rank in District Level Avishkar-2025(14/11/2025), Conducted at Rajashri Shahu Maharaj College of Pharmacy, Buldhana, project leader named **Nivrutti Raut(3S)** under guidance of S. B. Pagrut, Drone Club, SSGMCE, Shegaon
- Got 2nd Rank in District Level Avishkar-2025(14/11/2025), Conducted at Rajashri Shahu Maharaj College of Pharmacy, Buldhana, project leader named **Atharvat Raut(4U2)** under guidance of S. B. Pagrut, Drone Club, SSGMCE, Shegaon
- Got 3rd Rank in District Level Avishkar-2025(14/11/2025), Conducted at Rajashri Shahu Maharaj College of Pharmacy, Buldhana, project leader named **Hrishikesh Kakade(4U2)** under guidance of S. B. Pagrut, Drone Club, SSGMCE, Shegaon