



The Compuverse

NEWSLETTER

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Department of Computer Science & Engineering

Computer Science serves as the foundation for various technological advancements that the world sees today. The field has grown by leaps and bounds. The future innovations that it brings along never seem to slow down. Yet another beauty of computer science is that it finds a place in many interdisciplinary fields as well. With these, there also comes a necessity to keep up to the global demand of finding highly skilled engineers and scientists. Swami Vivekananda University, one of the top-ranked universities in India drives on the purpose of providing quality education and improving competence among students thereby living up to its motto, 'Progress Through Knowledge'.

Mission & Vision

The primary goal of a Department of Computer Science and Engineering is to advance knowledge and education in the fields of computer science and engineering. These departments are typically found to serve various objectives, including:

Education: The department aims to provide high-quality education to students at various levels, including undergraduate, graduate (master's and Ph.D.), and sometimes postgraduate diploma programs. The goal is to equip students with a solid foundation in computer science and engineering principles, theories, and practical skills.

Research: One of the key goals is to advance the state of knowledge in computer science and engineering through research. Faculty members and students engage in cutting-edge research projects that lead to innovations, discoveries, and contributions to the field's body of knowledge.

Innovation: Departments often foster an environment that encourages innovation and entrepreneurship. They aim to incubate new ideas, technologies, and startups that have the potential to address real-world problems and contribute to economic and societal progress.

Technology Transfer: In collaboration with industry partners, the department may work on technology transfer initiatives, facilitating the application of research findings in practical settings. This can include licensing intellectual property or collaborating on industry-sponsored projects.

Professional Development: The department often focuses on the professional development of its students by providing opportunities for internships, co-op programs, and industry connections. The goal is to prepare students for successful careers in computer science and engineering-related fields.

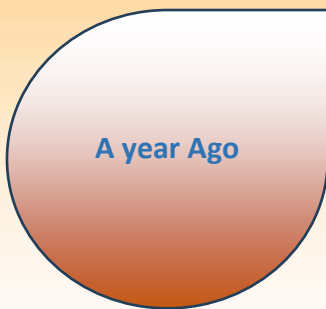
EDITOR'S MESSAGE



The Department remains committed to academic excellence by actively fostering interdisciplinary learning, research, and professional growth among faculty and students. This spirit was strongly reflected in the successful organization of the 3rd International Conference on Integrative Science and Engineering (ICISE) – 2026, held on 20–21 January 2026 at Swami Vivekananda University. The conference brought together researchers, academicians, industry experts, and students, creating a vibrant platform for knowledge exchange and collaboration across science and engineering disciplines.

In addition to academic events, the Department has seen significant departmental activities and achievements. Eligible PhD-holding faculty members successfully appeared before the Expert Selection Panel for promotion to the next higher cadre, as per UGC regulations and institutional guidelines, reflecting their dedication to teaching, research, and academic growth.

We are grateful to the University authorities, Dean of Science, Program Coordinators, faculty members, students, and staff for their constant support and valuable contributions in making this newsletter possible. We hope this issue provides an informative overview of our recent activities and achievements, and we wish you an enjoyable reading experience.



On **13th January 2025**, the Department of CSE, School of Computer Science, hosted a special engagement featuring two distinguished professionals. The event began at **12:00 pm onwards** and was designed to inspire and inform students through real-world insights from industry experts.

The session welcomed **Uohna Thiessen**, identified in the image as a *Senior Data Scientist at Meta*, who shared her journey and perspectives on data science, industry expectations, and career growth in one of the world's leading technology companies.

Also featured was **Mark Thiessen**, presented as a *Specialist System Analyst at NASA*. His segment focused on systems analysis, technological innovation, and the application of analytical skills in aerospace and research environments.



ICISE 2026

The **3rd International Conference on Integrative Science and Engineering (ICISE) – 2026** was held at *Swami Vivekananda University* from **20–21 January 2026**, bringing together researchers, academicians, and students for two days of insightful presentations and knowledge exchange.



The conference began with a warm welcome and **registration from 9:00 am to 11:00 am** at *Meghnad Saha Block (Room: Hall 2A)*. Following registration, the **Inaugural Session** commenced at **11:00 am**, featuring **Dr. Biplab Chatterjee**, Deputy General Manager of *AI Airport Services Limited, Kolkata*, as the **Chief Guest**. His address set the tone for an engaging

conference focused on interdisciplinary research and innovation.

After a break for lunch, **Dr. Chatterjee delivered the Keynote Address**, providing valuable industry insights and inspiring participants across engineering and science disciplines.



The two-day event featured insightful **keynote addresses** by leaders from industry and academia, including Dr. Biplab Chatterjee, Dr. Atanu Das, and Dr. Subenoy Chakraborty. Participants presented research across multiple engineering and science disciplines in organized paper sessions.

The conference provided a valuable platform for networking, knowledge sharing, and showcasing innovative research. The event concluded with a **Valedictory Session and Certificate Distribution**, celebrating contributors and presenters.



ICISE 2026 reinforced the university's commitment to fostering interdisciplinary scholarship and collaboration among researchers and students.

After lunch, the conference concluded with a **Valedictory Session and Certificate Distribution ceremony**, starting at 3:45 pm, to celebrate the accomplishments of presenters and contributors.

Departmental Activity

Appear for promotion to the next higher cadre.

All PhD-holding eligible faculty members (Associate Professor and Assistant Professor) of the Department of CSE have appeared before the duly constituted Expert Selection Panel as per the UGC Regulations and applicable institutional guidelines. on 09.01.2026 for assessment and interview for promotion to the next higher cadre.

The interview/assessment will be based on fulfillment of the UGC prescribed eligibility criteria and performance before the Expert Selection Committee, as applicable under the UGC Regulations, covering minimum qualifications, academic performance, API/Research Scores, publications, and other assessment parameters.

Student Internship: ANUMITA KUNDU, Reg no – 002-103-2023-067, and RAJDIP DEY, Reg no – 002-103-2023-062 – B.TECH CSE – 3rd Year, have been selected for an international internship at Mohamed Bin Zayed University of Artificial Intelligence (MBZUAI) in Abu Dhabi - United Arab Emirates.

Faculty Achievement:

Faculty Publications:

[1] **Bijaya Banerjee., Payal Bose & Rana Basu**, “Spatio-Temporal Prediction of Groundwater Level and Quality using IoT Sensing and Hybrid Machine Learning Approaches”, *Water Conserv Sci Eng* 11, 20 (2026). <https://doi.org/10.1007/s41101-025-00477-7>

Some paper submission on ICISE 2026 (SS Gupta)

- [1] A. Ghosh, S. Gupta, “Preserving Indian Classical Dance Through AI-Based Movement Recognition”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (Won Best paper award) (PG-CSE)
- [2] P.Pal, A. Mandal, S. Saha, S. Panda, A. Vishwakarma, S.Paul, S.Gupta, “Using Machine Intelligence to Predict and Prevent Software Design Flaws”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (UG-CSE)
- [3] A. Ghosh, S. Gupta, “Automated Detection of Chili Powder Adulteration using Convolutional Neural Networks”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (MCA)
- [4] A. De, S. Gupta, “Machine Learning in Heart Disease Prediction: An overview”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU (MCA)
- [5] K. Mondal, S. Gupta, “PULSE: an AI driven Multi-disease prediction and personalized recommendation system”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU/ (MCA)
- [6] M. Ghosh, S. Gupta, “Students Attendance System using Face Recognition”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (PG-CSE)
- [7] A Roy, N Dey, P Chakrabarty, N Roy, R Banerjee, A Khan, S Gupta, “Business Analytics Machine Learning driven Agent High end Artificial Responsible Intelligence”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (UG-CSE)
- [8] P. Koley, S. Gupta, “Climate-Responsive Optimization for Precision-farming (CROP)”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (PG-CSE)
- [9] R. Mondal, J. Mondal, C.Neogi, P.Santra, AK Singh, M. Palodhi, S.Gupta, “Travel and Ride-hailing Exploration with AI-based Platform (TREAP): An Integrated Travel and Tourism App driven by AI”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (UG-CSE)
- [10] S. De, S. Gupta, “Big Mart Sales Prediction Using Machine Learning Techniques”, presented in the International Conference on Integrative Science and Engineering (ICISE) during 20th -21st January 2026, SVU. (MCA)