SWAMI VIVEKANANDA UNIVERSITY
EXCELLENCE. INNOVATION. ENTREPRENEURESHIP

NEWS LETTER
Volume-II, Issue-I
Department of Computer Science & Engineering

Committee and Editorial Board

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 t 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.

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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.

The Department has state-of-the-art infrastructure and computing equipment supported by high-speed Ethernet and wireless networks. Our faculty members aim to deliver top-class education by blending their rich research experience with classroom teaching.
The students are motivated to participate in Curriculum, Co-Curricular, and Extra-Curricular Activities. They are encouraged to attend National, State, and international Workshops and Conferences to enhance their knowledge. Students are also encouraged to attend Value-Added Courses and do mini projects on new technologies to bridge the gaps between the curriculum, industry needs, and the software development process.

We are overwhelmed by the response that we received from students, faculties and staff in making this newsletter possible. In this newsletter, we have reported different activities – departmental success in Internal Smart India Hackathon 2024. We would like to also thank Dean of Science and Program Coordinators and other faculty members for providing information and valuable suggestions. I hope you will enjoy reading this issue!!!

What is in Next Issue?

Departmental faculty members' publications, such as journals, Conference proceedings, Book chapters, etc., will be available starting in the next issue.

A meeting with Prof. (Dr.) R. S. Salaria Sir

Swami Vivekananda University organized a master class for the final-year and pre-final-year students of the Computer Science and Engineering Department, led by Prof. (Dr.) R.S. Salaria is an esteemed professor and an esteemed author from Guru Nanak Institutions. We are immensely grateful to Dr. Salaria for sharing his valuable knowledge and insights during this enriching session. His expertise has undoubtedly inspired and empowered the students in their academic and professional journeys.

Prof. (Dr.) R.S. Salaria with students and Teachers of CSE Department.

Departmental Faculty Members Publication

There are Some journals published by the CSE Dept Faculty members in 2024

Name of the Faculty	Title of the Paper	Name of the Journal	Type of the Journal
Prof. Somshubhra Gupta	An Ensemble Model for Predicting Cardiovascular Disease utilizing Nature Inspired Optimization	Baghdad Science Journal (BSJ)	ESCI, Scopus
Prof. Somshubhra Gupta	Intelligent healthcare for cardiac patients utilizing neural networks, k-means clustering, and ad hoc routing	Science Engineering and Health Studies (SEHS)	Scopus
Prof. Somshubhra Gupta	Interactive Low-Cost Virtual Learning Device NOODLE to get rid of Digital Divide in Outcome Based Education	Journal of Engineering Education Transformation (JEET),	Scopus
Prof. Somshubhra Gupta	Machine Learning driven healthcare through online Gym under the framework of Artificial Life	Educational Administration: Theory and Practice	Scopus
Prof. Somshubhra Gupta	Intelligent System with Food and Nutrition criterion	Educational Administration: Theory and Practice	Scopus
Prof. Somshubhra Gupta	Technology Enhanced Learning driven music inspired LEARN with NOODLE model for inclusive education	Journal of Engineering Education Transformation (JEET),	Scopus
Prof. Somshubhra Gupta	Performance Analysis of Different Feature Selection Methodologies in Classification of COVID-19 with Detail Feature Analysis	Indian Journal of Natural Sciences (IJONS),	Web of Science
Prof. Somshubhra Gupta	Heart Disease Prediction using Machine Learning and Multi Agent Systems	Indian Journal of Natural Sciences (IJONS),	Web of Science
Prof. Somshubhra Gupta	Enhancing Music Classification: Machine Learning Approaches to Song Type Recognition	Educational Administration: Theory and Practice	Scopus
Prof. Somshubhra Gupta	Noodle: An Innovative, Affordable Virtual Learning Device for Inclusive Education	Educational Administration: Theory and Practice	Scopus
Prof. Somshubhra Gupta	Ubiquitous Hand held device's SIGMA LFSR driven security model	Educational Administration: Theory and Practice	Scopus
Dr. Chayan Paul	Context-Driven Service Deployment Using Likelihood-Based Approach for Internet of Things Scenarios	Future Internet	Scopus & WoS
Dr. Payal Bose	A Comprehensive Assessment and Classification of Acute Lymphocytic Leukemia	MDPI: Mathematical and Computational Applications	Scopus (Q2), ESCI (Web of Science)