

SWAMI VIVEKANANDA
UNIVERSITY



NEWS LETTER

Volume-I, Issue-VI

**Department of Computer
Science & Engineering**



The Compuverse

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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'.

Program Specific Outcomes (PSOs):

- PSO1: The ability to understand, illustrate, discuss, and explain the fundamental design and working principle of any existing or new computing model or concept related to the field of computer science and engineering and analyze the utility of the model or concept in respect to its capability of addressing and solving the relevant issues or problems.



- PSO2: The ability to identify and formulate a problem within the scope of computer science and engineering domain for proposing software application-based or research-based solution models with adequate justification by applying the relevant domain knowledge.
- PSO3: The ability to ideate, design, implements and analyse a solution proposal with proper documentation demonstrating adequate software engineering management skill along with the necessary technical skill for driving propensity towards technological innovation boosted with research and entrepreneurial aptitude for producing globally competent engineering professionals capable of making meaningful contributions in the field of computer science and engineering.

Editor's Message



The Department has state-of-the-art infrastructure and computing equipment supported by high speed Ethernet and wireless networks. Our faculty members aim at delivering top class education blending their rich research experience with classroom teaching.

The students are motivated to participate in Curricular, Co-Curricular and Extra-Curricular Activities. Students are encouraged to attend National, State level & International Level Workshop and Conferences to enhance their knowledge. Students are also encouraged

to attend Value Added Courses and do mini projects on new technologies to meet out the gaps between the curriculum and Industry needs and 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 are showing a list of our faculty members and their research area as well as Participation for a meeting of a collaboration with Sunway University. 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!!!

Courses Offered

School of Engineering

- Diploma in Computer Science and Technology
- B.Tech in Computer Science and Engineering
- M.Tech in Computer Science and Engineering
- B Tech in in Data Science
- Ph.D. in Computer Science and Engineering

School of Computer Science

- Bachelor of Computer Application



- Master of Computer Application
- Master of Science in Data Science
- B.SC(H) In Advanced Networking and Cyber Security
- Ph.D. in Computer Science

List of Faculty Members and their Research Areas

Name of the Faculty Members	Research Area
Prof. Somsubhra Gupta	Mult objective Decision Making, Machine Intelligent, Genetic Algorithm, Pattern Recognition, Digital Image Processing
Dr. Ranjan Kumar Mondal	Cloud Computing, Mobile Computing
Dr. Chayan Paul	Machine Learning, Natural Language, Processing Data Visualization
Dr. Sanjay Nag	Biomedical Image Processing, Steganography, Genetic Computing
Sourav Saha	Machine Learning, Cloud Computing
Sumana Chakraborty	Machine Learning, Image Processing
Subrata Nandi	Symmetric Key Cryptology, Quantum Cryptology, Blockchain
Sangita Bose	Machine learning, Artificial Intelligence, Deep Learning, IOT
Lipika Mukherjee Pal	Web Technology, IOT
Sukriti Santra	Cyber Security, Machine Learning, Cloud Computing
Jayanta Chowdhury	Machine learning
Diganta Bhattacharyya	Space Science and Space Communication using AI/ML, IOT
Pradip Sahoo	Artificial Intelligence
Aniket Dey	Artificial Intelligence
Amitava Kar	Machine learning
Payal Bose	Image Processing, Artificial Intelligence and Machine Learning.
Apurba Saha	IOT, Sensor Network
Suparna Bandhapadhaya	IOT
Kashinath Dutta	Wireless Networks, Visible Light Communications



Sitikantha Chattopadhyaya	Machine Learning, Deep Learning, Image Processing
Bipradash Pandit	Artificial Intelligence and Machine Learning.
Bijaya Banerjee	Image Processing, Artificial Intelligence and Machine Learning.
Dipam Mishra	Artificial Intelligence
Arindam Das	Artificial Intelligence and Machine Learning.

Departmental Activities

Departmental Participation for a collaboration

Report on Online Meetings with Expert Members for Research and Workshop Collaboration with Sunway University, Malaysia

Participants:

1. Dr.-Ing. Sian Lun Lau, Associate Dean (International and Industry), School of Engineering and Technology, Professor, Department of Engineering, Sunway University, Malaysia.
2. Amlan Chakraborty, Professor, Information Technology, A.K.Choudhury School of Information Technology, University of Calcutta
3. Deputy Registrar, SVU
4. Dean of Science
5. HoDs/Coordinators of various Departments/Schools

Discussions:

1. Introduction and Overview of Collaboration Objectives
2. Presentation of Research Areas
3. Discussion on Collaborative Opportunities
4. Planning and Next Steps
5. Conclusion and Next Meeting Date

The online meeting served as a productive platform for fostering collaboration between our department as well as other departments and Sunway University for research and workshop-related initiatives. By sharing expertise, exchanging ideas, and outlining actionable plans, the participants laid the foundation for a fruitful partnership. Continued communication and collaboration will be essential for achieving the shared objectives and advancing academic excellence.