SWAMI VIVEKANANDA UNIVERSITY

NEWS LETTER

Volume-I, Issue-V

Department of Computer Science & Engineering

The Compuverse

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'.

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

Departmental Activities - II

Report on BOS Online Meeting: Lab Exam Related

Date: 27.4.23

Members:

1.   Prof. J K Mandal

2.   Prof. Amlan Chakraborty

3.   Dr. Soumya Sen and

4.   Dept. BoS Members

Agenda:

1.   Review of Current Lab Examination Procedures

2.   Discussion on Challenges and Concerns

3.   Proposal for Improvements

4.   Decision on Implementation Strategies

5.   Any Other Business (AOB)

6.   Next Meeting Date and Adjournment

Summary:

1. Review of Current Lab Examination Procedures: The meeting commenced with a review of the existing procedures for conducting laboratory examinations. The Chairperson provided an overview of the current process, highlighting key components such as assessment criteria, scheduling, and invigilation protocols.

2. Discussion on Challenges and Concerns: Board members engaged in a thorough discussion on the challenges and concerns associated with lab examinations. Issues such as logistical constraints, equipment availability, and standardization of assessment practices were identified as areas requiring attention.

3. Proposal for Improvements: A proposal for improvements to the lab examination process was presented, encompassing suggestions for enhancing efficiency, fairness, and reliability. Proposed measures included the introduction of digital assessment tools, revised evaluation criteria, and training for lab instructors.

4. Decision on Implementation Strategies: After deliberating on the proposed improvements, the board reached consensus on several implementation strategies. Priority action items were identified, including the development of detailed implementation plans, allocation of resources, and establishment of timelines for rollout.

5. Any Other Business (AOB): Under this agenda item, miscellaneous topics related to lab examinations were discussed. Board members raised additional concerns and suggestions for consideration, and action points were assigned accordingly for further exploration.

6. Next Meeting Date and Adjournment: The Chairperson announced the date for the next meeting, ensuring adequate time for follow-up actions to be undertaken. With no further business to discuss, the meeting was adjourned.

Conclusion: The BOS online meeting provided a platform for productive discussions on lab examination procedures and improvements. By addressing challenges, proposing enhancements, and deciding on implementation strategies, the board demonstrated its commitment to ensuring the quality and integrity of laboratory assessments. Follow-up actions will be taken to advance the agreed-upon initiatives and drive positive changes in the conduct of lab examinations.