



## NEWSLETTER

Volume-I, Issue-V,

### 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):*

- **PSO<sub>1</sub>:** *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.*
- **PSO<sub>2</sub>:** *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.*
- **PSO<sub>3</sub>:** *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.*

## The Compuverse

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## 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 have reported department strong points as well as department two activities. 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!!!

## Departmental Strong points

- **Cutting-Edge Curriculum:** CSE departments often offer a curriculum that reflects the latest trends and advancements in technology. This includes courses on artificial intelligence, machine learning, data science, cybersecurity, cloud computing, and more, ensuring students are equipped with relevant skills for the rapidly evolving tech industry.
- **Faculty Expertise:** Strong CSE departments boast faculty members who are experts in their respective fields. They often have diverse research interests and experiences, contributing to a rich academic environment. Faculty members may also have industry connections, providing students with valuable insights and networking opportunities.
- **Research and Innovation:** CSE departments are often at the forefront of research and innovation. They may have dedicated research labs and centers focusing on various domains such as robotics, computer vision, natural language processing, and human-computer interaction. Students have the opportunity to engage in cutting-edge research projects, leading to publications and real-world impact.
- **State-of-the-Art Facilities:** Well-equipped laboratories, computing infrastructure, and modern facilities are essential components of strong CSE departments. Access to high-performance computing resources, software tools, and specialized equipment enables students and faculty to conduct experiments, simulations, and projects effectively.
- **Continuous Improvement:** Strong CSE departments are committed to continuous improvement and excellence. They regularly review and update their curriculum, facilities, and programs to stay relevant and competitive. Feedback mechanisms, accreditation processes, and quality assurance measures ensure that the department maintains high standards of academic rigor and student satisfaction.

# Departmental Activities - I

## Report on BOS Online Meeting: UG NEP Syllabus

**Date:** 27.4.24

**Participants:** Faculty members of the School of Computer Science and BoS External Expert Committee

### Agenda:

**1. Review on Implementing NEP in Undergraduate (UG) Programs:** Board members engaged in a detailed discussion on the practical aspects of integrating NEP principles into undergraduate programs. Strategies for curriculum restructuring, pedagogical reforms, and assessment methodologies were explored to ensure alignment with NEP objectives while maintaining academic rigor.

**3. Review of UG Syllabus Alignment with NEP Guidelines:** The existing undergraduate syllabus was evaluated to identify areas requiring revision or enhancement to align with NEP guidelines. Emphasis was placed on promoting interdisciplinary learning, holistic development, and employability skills among students.

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

**Conclusion:** The BOS online meeting provided a platform for productive deliberations on implementing the New Education Policy (NEP) in undergraduate programs. By reviewing syllabus alignment, planning awareness programs, and addressing logistical considerations, the board demonstrated its commitment to facilitating a seamless transition to the NEP framework and fostering excellence in higher education.

# 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.