Report

on

ONE DAY Pre-summit Seminar for Artificial Intelligence Impact Summit 2026

Date: 13th February, 2026

On 13th February, 2026, the ONE DAY Pre-Summit Seminar for Artificial Intelligence Impact Summit 2026 was successfully organized under the aegis of Swami Vivekananda University at SNB block, `Room No: 301. The seminar brought together eminent academicians and industry experts to deliberate on the **transformative role of Artificial Intelligence in contemporary society and higher education**. The event was graced by the august presence of the Hon'ble Vice Chancellor, **Prof. (Dr.) Subrata Kumar Dey**, and the Registrar, **Prof. (Dr.) Pinak Pani Nath**, along with directors, faculty members, research scholars, and students from various departments.

Introduction

The session commenced with a gracious inaugural address by the Hon'ble Vice Chancellor, Prof. (Dr.) Subrata Kumar Dey, who emphasized that Artificial Intelligence is not merely a technological advancement but a transformative force reshaping education, research, governance, and society at large. He highlighted the responsibility of Higher Educational Institutions to prepare students and researchers to ethically and innovatively engage with AI-driven technologies. The event was held under the esteemed guidance of the Registrar, Prof. (Dr.) Pinak Pani Nath, whose presence added dignity to the academic gathering.

The academic deliberations began with an engaging introduction to the theme of Artificial Intelligence and its far-reaching implications in contemporary society. Dr. Avijit Chatterjee, Principal Engineer (Design, Industry R&D), GlobalFoundries, Bangalore, initiated the invited talks with his insightful lecture on **"Socio-economic Impact of Artificial Intelligence in All Spheres of Life."** He eloquently discussed how AI is redefining industrial ecosystems, employment structures, governance models, and everyday human interactions, while also drawing attention to ethical considerations and economic shifts driven by automation and data intelligence.

Prof. (Dr.) Somsubhra Gupta, Professor and Dean of Research Engineering at Swami Vivekananda University, delivered a compelling session on **"Integrating AI into Teaching, Learning, Research, and Institutional Administration to Deepen AI Penetration across HEIs."** His address underscored the strategic integration of AI tools in curriculum design, research analytics, smart classrooms, and institutional decision-making processes, thereby envisioning a future-ready academic ecosystem.

The seminar further gained momentum with an enlightening presentation by Dr. Pabitra Pal, Associate Professor, Department of Computer Science and Engineering, Swami Vivekananda University, on **"AI for ALL: Boosting Productivity and Innovation."** His lecture focused on democratizing AI technologies, enhancing productivity across sectors, and fostering innovation among students and researchers. The session seamlessly blended technical perspectives with practical applications, inspiring participants to adopt AI as an inclusive and empowering tool for sustainable growth and academic excellence.

Key Highlights of the Seminar

1. Socio-Economic Impact of Artificial Intelligence

Dr. Chatterjee drew upon his extensive experience in the semiconductor industry to elaborate on the expanding integration of artificial intelligence (AI) within electronic and photonic technologies. He emphasized AI's pivotal role in advanced chip design, optimized fabrication processes, optical communication systems, and the development of intelligent hardware architectures.

He explained how AI-driven innovations in electronics and photonics are accelerating high-speed data processing, improving energy efficiency, and enabling next-generation communication networks. By bridging theoretical foundations with state-of-the-art industrial applications, his session provided participants with a comprehensive understanding of AI's transformative influence across both technological advancements and broader socio-economic landscapes.

He emphasized that while AI accelerates productivity and innovation, it also necessitates ethical governance, workforce reskilling, and sustainable policy frameworks to mitigate socio-economic disparities.

2. AI Integration in Higher Education Institutions (HEIs)

Prof. Gupta focused on embedding AI across teaching, learning, research, and institutional administration. He discussed how AI-enabled learning management systems, adaptive assessments, and smart classrooms can personalize education and enhance student engagement. In research, AI-driven analytics tools support predictive modeling, simulation, plagiarism detection, and large-scale data interpretation.

From an administrative perspective, he highlighted AI's role in academic planning, student performance monitoring, and resource optimization—making institutions more efficient and responsive. He stressed that universities must cultivate interdisciplinary AI literacy to deepen AI penetration across HEIs.

3. AI for All: Democratizing Innovation

Dr. delivered an engaging talk on "AI for ALL: Boosting Productivity and Innovation." He emphasized democratizing AI tools so that students, researchers, startups, and rural innovators can leverage technology without barriers. By showcasing real-world applications such as AI-driven agriculture solutions, healthcare diagnostics, and smart automation tools, he demonstrated how AI enhances productivity across sectors.

He also encouraged students to engage in open-source AI platforms, collaborative research, and entrepreneurial initiatives to foster innovation ecosystems within academic campuses.

A key highlight was the commitment to expose students across disciplines—beyond Computer Science and IT—to AI tools, methodologies, and real-world applications. This includes integrating AI modules into management, commerce, humanities, engineering, and sciences programs.

4. Ethical and Responsible AI

A recurring theme across all sessions was the ethical dimension of Artificial Intelligence. Speakers collectively stressed:

- The need for transparent and explainable AI systems.
- Data privacy and cybersecurity safeguards.
- Addressing algorithmic bias and digital inequality.
- Promoting human-centric AI development aligned with societal welfare.

AI was positioned not merely as a technological tool but as a transformative force requiring responsible governance and collective accountability.

5. Industry–Academia Collaboration

The seminar highlighted the importance of collaboration between universities and industries such as GlobalFoundries to bridge the gap between theoretical learning and industrial application.

Discussions emphasized internships, joint research projects, innovation hubs, and incubation centers as pathways to strengthen experiential learning and technological advancement.

## Discussion and Interactive Session

The seminar concluded with a dynamic Q&A session where participants raised questions regarding:

- Career opportunities in AI and semiconductor industries.

- Integration of AI into multidisciplinary research.

- Balancing automation with employment sustainability.

- Ethical challenges and regulatory frameworks in AI deployment.

The speakers addressed these queries with practical insights and forward-looking perspectives, making the session highly interactive and engaging.

Glimpses for the Seminar:
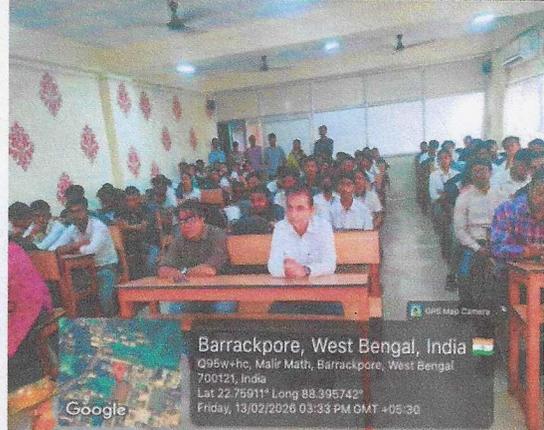
Concluding Remarks

The seminar concluded with a vote of thanks expressing sincere gratitude to the distinguished speakers for their insightful and impactful deliberations. The Hon'ble Vice Chancellor and Registrar appreciated the collaborative effort in organizing the Pre-Summit Seminar and reiterated the university's commitment to advancing AI research and innovation.

The event reaffirmed that Artificial Intelligence is not only a technological revolution but also a socio-economic catalyst shaping the future of education, industry, and governance. It served as a call to action for students, academicians, and policymakers to adopt AI responsibly and innovatively for sustainable and inclusive development.

Impact and Takeaways

Participants identified several significant takeaways from the seminar:

- A comprehensive understanding of AI's socio-economic and industrial impact.

- Insights into integrating AI within higher education systems.

- Awareness of AI applications in electronic and photonic technologies.

- Recognition of the importance of ethical, transparent, and inclusive AI development.

- Motivation to engage in research, innovation, and interdisciplinary collaboration in AI domains.

The ONE DAY Pre-Summit Seminar for Artificial Intelligence Impact Summit 2026 was widely regarded as a resounding success, fostering intellectual exchange, technological awareness, and a collective vision for AI-driven progress.

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