

Report on Seminar: "A Quick Tour of Neural Network"


Organized by:

Department of Computer Science

Maharani Kasiswari College

Date: 14th May 2025


Venue: Room No. 08


**MAHARANI KASISWARI COLLEGE**
20, Ramkanta Bose Street, Kolkata - 700003


DEPARTMENT OF COMPUTER SCIENCE


Organizes :
One day Workshop on AI

Topic:
"A QUICK TOUR OF NEURAL NETWORK "



SPEAKER:

DR. SAPTARSI GOSWAMI
Assistant Professor,
Bangabasi Morning College

CHIEF PATRON

DR. SIMA CHAKRABARTI
Principal
Maharani Kasiswari College



Date: 14th May, 2025 (Wednesday) Time: 10 a.m. onwards. Venue: Room No. 8

ORGANISING COMMITTEE

DR. ARPITA BHADURI
Assistant Professor,
HOD, Dept. of Computer Science
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Registration Fee : Rs.100/-

Registration Link : https://docs.google.com/forms/d/e/1FAIpQLSfz7645QESxWrfNjHG_Bw0dpB6Y40YGk2xxRFu9Kn5KUW73edw/viewform?usp=sf_link

Objective:

The Department of Computer Science, Maharani Kasiswari College, organized a one-day seminar titled "A Quick Tour of Neural Network" on the 14th of May, 2025. The objective of the seminar was to provide an introductory yet comprehensive understanding of neural networks, a fundamental component of modern artificial intelligence (AI) and machine learning (ML). This event aimed to enlighten students, faculty, and research enthusiasts about the theoretical foundations, practical applications, and evolving trends of neural network technologies. The seminar served as a platform for academic enrichment and knowledge sharing among the attendees.

Programme Schedule and Highlights:

1. Inauguration and Welcome Address (10:00 AM - 10:15 AM):

The event commenced with a warm welcome and inaugural session presided over by Dr. Sima Chakrabarti, the Principal of Maharani Kasiswari College. In her welcome address, Dr. Chakrabarti emphasized the importance of understanding emerging technologies and integrating them into the academic curriculum. She also appreciated the efforts of the Department of Computer Science in organizing such a meaningful and forward-thinking event. The session formally marked the opening of the seminar, setting a positive and enthusiastic tone for the rest of the day.

2. Introduction of the Speaker (10:15 AM - 10:20 AM):

The introduction of the keynote speaker was presented by Dr. Arpita Sanyal (Bhaduri), Head of the Department of Computer Science. Dr. Sanyal highlighted the academic and professional achievements of Dr. Saptarshi Goswami, who is currently serving as an Assistant Professor at Bangabasi Morning College. She noted his expertise in artificial intelligence, neural networks, and data science, and welcomed him on behalf of the department and the college.

3. Lecture Session (10:20 AM - 11:50 AM):

The core segment of the seminar was the lecture session delivered by Dr. Saptarshi Goswami. The session was informative, interactive, and engaging, offering the audience a thorough overview of neural networks. Dr. Goswami began with the historical evolution of neural networks, tracing its origins from early perceptrons to modern deep learning architectures. He explained the biological inspiration behind artificial neural networks and delved into technical components such as neurons, activation functions, backpropagation, and learning algorithms.

He further discussed the applications of neural networks in various domains including image recognition, natural language processing, healthcare diagnostics, financial forecasting, and autonomous systems. Real-life case studies and demonstrations were included to illustrate the practical use and significance of neural networks in solving complex problems. Dr. Goswami also touched upon the challenges faced in neural network implementation such as overfitting, computational complexity, and data requirements. The session concluded with insights into the future prospects and ethical considerations of AI-powered systems.

4. Question & Answer Session and Concluding Speech (11:50 AM - 12:00 PM):

Following the lecture, a question and answer session was held, where participants enthusiastically engaged with Dr. Goswami. Questions ranged from technical clarifications to broader discussions about careers in AI and the role of interdisciplinary knowledge in neural networks. The interactive segment significantly enriched the learning experience of the attendees.

The concluding remarks were delivered by Mr. Sourav Malakar and Mr. Amit Choudhury, both lecturers in the Department of Computer Science. They expressed their gratitude to the speaker for his valuable insights and praised the active participation of the students and faculty. Their concluding speech summed up the key takeaways and emphasized the relevance of continuous learning in technological domains.

5. Vote of Thanks (12:00 PM - 12:10 PM):

The seminar concluded with a vote of thanks delivered by Mr. Manish Shaw, Lecturer at Maharani Kasiswari College. He extended heartfelt appreciation to the chief guest, speaker, organizing committee, and all participants. Mr. Shaw acknowledged the behind-the-scenes efforts of the department's faculty and student volunteers who contributed to the smooth and successful execution of the seminar.

Convenor:

The seminar was convened by Dr. Arpita Sanyal (Bhaduri), HOD, Department of Computer Science. Her leadership, vision, and coordination were instrumental in organizing a well-structured and impactful academic event.

Conclusion:

The seminar 'A Quick Tour of Neural Network' proved to be an enlightening and thought-provoking academic event. It succeeded in achieving its goals of knowledge dissemination, skill enhancement, and fostering curiosity in the realm of artificial intelligence. The Department of Computer Science looks forward to organizing more such initiatives that bridge the gap between theoretical learning and real-world technological advancements.

Attendance List

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Pictures:



