Sri Guru Teg Bahadur Khalsa College
Sri Anandpur Sahib Punjab

PG Department of Computer Science
in collaboration with
Institution's Innovation Council
organized a Guest Lecture on
Innovations and Advancements of AI in Natural Language Processing
on 16th September 2025
(Under DBT Star Status)

The P.G. Department of Computer Science, Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, in collaboration with the Institution's Innovation Council (IIC), organized a guest lecture on the topic *"Innovations and Advancements of AI in Natural Language Processing"* on 16th September 2025. The lecture was conducted in hybrid mode under the DBT Star Status, Government of India.

The resource person for the session was Dr. Gurpreet Singh Lehal, Senior Project Consultant at the International Institute of Information Technology (IIIT), Hyderabad, and former Professor at Punjabi University, Patiala. With an academic and professional career of over three decades, Dr. Lehal has made remarkable contributions to Artificial Intelligence, Natural Language Processing, and Punjabi language computing. He has published extensively in reputed journals, supervised numerous Ph.D. and M.Tech students, and led several prestigious national and international research projects.

During his lecture, Dr. Lehal provided deep insights into the innovations and advancements in Natural Language Processing (NLP). He discussed cutting-edge tools and systems such as DALL·E, ChatGPT, Sora, NanoBanana, and applications of NLP in text and speech recognition systems. His session highlighted how these technologies are transforming the way humans interact with machines and shaping the future of Artificial Intelligence.

The lecture was attended by around 100 students from B.Sc. (Hons.) AI & DS 1st year and 2nd year classes, who actively participated and gained valuable exposure to the subject.

Dr. Jasvir Singh, Principal of the college, appreciated the initiative of the P.G. Department of Computer Science in organizing such a thought-provoking lecture. He motivated the students to take maximum benefit from such expert interactions to enhance their academic and professional growth.

The event was organized under the guidance of Dr. Surender Kumar, Head of the P.G. Department of Computer Science, who emphasized the growing importance of NLP and AI in shaping the future of technology and research.

The lecture was hosted and coordinated by Prof. Tajinder Kaur, while Prof. Paramjit Kaur, Dr. Amanpreet Kaur, Prof. Ashima, and Prof. Sukhleen Kaur efficiently assisted in managing the program. The stage was handled by Prof. Tajinder Kaur, ensuring the smooth conduct of the event.

Link before the event:

https://www.instagram.com/p/DOoDOhHkuLm/?igsh=MTR1ZGl0ZGdicm91NQ==

Link after the event:
https://www.instagram.com/p/DOsX198ksn4/?igsh=MXVuazMxNGNyajByOQ==

Gurpreet Lehal (Presenting, annotating)
Nano Banana (2025) : Add Dolphin show, Airplane, car on bridge and two boys doing bhangra on boat
Gurpreet Lehal
Principal SGTB Khalsa College ...
5 others
Tajinder Kaur
2:04 PM | Guest Lect...

1:43 PM
Guest Lecture
Ramandeep
Aman
Dr. Surender
Gurpreet
principal
Principal SG...
You
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