

## About Amritsar Group of Colleges

Amritsar Group of Colleges (AGC), formerly known as Amritsar College of Engineering & Technology and Amritsar Pharmacy College, was established by the Amritsar International Foundation (Trust) in 2002. AGC has been conferred the prestigious Autonomous status by UGC in 2014. It is affiliated with I.K.G. Punjab Technical University, Kapurthala, and is duly approved by AICTE, New Delhi, and the Government of Punjab. It has been accredited by the National Assessment & Accreditation Council (NAAC) with Grade 'A'. The departments of AGC have been accredited by the National Board of Accreditation (NBA) during 2009-12 and 2016-18. It offers graduate and postgraduate courses. AGC is renowned for its world-class environment and superior learning system and ranks among the best engineering colleges in North India. It is recognized for providing quality education to its students. It has established a niche for itself through its expert faculty, capable students, and robust infrastructure, which collectively create a conducive learning environment. AGC's significant growth in a short span of time highlights its success in the education sector. The Institute has signed Memoranda of Understanding (MoUs) with various foreign universities for facilitating higher education programs in countries such as the USA, Canada, United Kingdom, New Zealand, Taiwan etc.

## About Department Computer Science & Engineering

The department of Computer Science and Engineering at AGC is one of its premier departments, with an intake capacity of 300 seats for B.Tech in Computer Science and Engineering, 120 seats for B.Tech in Computer Engineering, and 18 seats for M.Tech in Computer Science and Engineering. The department is dedicated to educate students according to industry standards, continuously working to develop technical skills among the budding engineers. The highly qualified, hardworking, and experienced faculty are committed to enhance the skills of the students. In addition to regular engineering curriculum, the department prepares the students to face the challenges of today's corporate world by instilling a professional attitude. Specialized labs in Big Data Analytics, Cyber Security and Cyber Forensics have been established to train students in the cutting-edge technologies. The students of the department have been placed in major MNCs such as Amazon, Capgemini, TCS, Infosys, IBM, Saplabs, Hewlett Packard, Accenture, HCL, Oracle, Ericsson etc. The department has signed MoUs with leading companies like Huawei Technologies, Sedulity Solutions New Delhi, Meridian Digital World, Venus Media Software, and many more to further enhance the learning and career opportunities for the students.

## About AICTE-VAANI

Vibrant Advocacy for Advancement and Nurturing of Indian Languages (VAANI) is designed to provide financial assistance to AICTE-approved institutions for organizing conferences, seminars, and workshops in 12 regional languages. Effective local language communication is crucial for developmental action in India. According to the Census of India, there are 122 major languages and 1,599 other languages, with 30 languages spoken by over a million native speakers across different regions. Disseminating knowledge and enhancing the learning process through regional languages is essential to realizing the Viksit Bharat 2047 vision.

### Chief Patron (s)

Adv. Shri Amit Sharma, Chairman  
Madam Ragini Sharma, Director Finance

### Patron (s)

Dr. Rajneesh Arora, Managing Director  
Dr. Gaurav Tejpal, Principal

### Convenor

Dr. Narinder Sharma, Dean R&D

### Co-ordinator

Dr. Sandeep Kad, Head (CSE)

### Co-Coordinator

Ms. Tejinder Sharma, Department of CSE

### Important Dates

Last date of Registration: **August 5, 2024**  
Seminar Dates: **August 8 -9, 2024**

### Registration Fees

Nil

### Who can participate

Faculties from reputed Institutes / Universities / Colleges, Research Scholars, Students and Working Professionals from Industry. The participant should have a basic knowledge of Punjabi language.



NAAC Grade "A" 3<sup>rd</sup> Cycle  
under Autonomous Category

Autonomous Status  
(Since 2014) Conferred by UGC



**AICTE Sponsored**  
**Two Day National Seminar**

on

**ARTIFICIAL INTELLIGENCE**  
**AND MACHINE LEARNING**

under

**AICTE VAANI Scheme**  
**(August 8 – 9, 2024)**

Organized by

**Department of**  
**Computer Science & Engineering**  
Amritsar Group of Colleges, Amritsar

12Km Stone, Amritsar-Jalandhar G.T Road,  
Amritsar-143001

Ph No. 0183-5014756, 5010422

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## Background & Objectives

Artificial Intelligence (AI) and Machine Learning (ML) have emerged as revolutionary technology which is transforming various industries and sectors globally. AGC in collaboration with the All India Council for Technical Education (AICTE), is organizing a two-day national seminar under the AICTE-VAANI scheme.

This initiative aims to bridge the language gap and ensure that cutting-edge technological knowledge is available to a broader audience, including those who prefer to learn and engage in regional languages. By doing so, the seminar endeavors to foster an inclusive environment for learning and innovation in AI and ML. The objectives of the seminar are:

- To present and discuss the latest advancements in Artificial Intelligence and Machine Learning in regional language, thereby making this knowledge accessible to a wider audience.
- To equip faculty and students with the necessary skills and understanding of AI and ML technologies, enabling them to contribute effectively to research and applications.
- To encourage the creation and sharing of technical knowledge in local language, thus promoting inclusivity and ensuring that language is not a barrier to learning and innovation.
- To provide a platform for researchers, academicians, and industry professionals to share their insights, research findings, and innovative practices in AI and ML.

## Benefits to the Participants

- Gain insights into the latest advancements in Artificial Intelligence and Machine Learning from leading experts and researchers in the field in local language, making it easier to understand and apply complex concepts.
- Experience an inclusive learning environment that caters to diverse linguistic backgrounds, ensuring that language is not a barrier to access advanced technical knowledge
- Connect with peers, academicians, researchers, and industry professionals
- Receive a certificate of participation, adding value to your academic and professional credentials

## Course Contents

- Punjabi in the age of AI
- Role of AI and ML in Contemporary Speech Technologies
- Machine Learning and its Applications
- Exploring Clustering Algorithms: Basics to Advance Techniques
- Role of IoT & Deep Learning in Agriculture
- Supervised and Unsupervised Learning Strategies
- Navigating the AI Revolution: Opportunities for Young Professionals

## Important Information

- Total numbers of seats are limited to 50 only.
- There is no registration fee for attending the seminar.
- No TA/DA will be given to the participants.
- Short-listed candidates will be informed.

## Organizing Team from Department of CSE

- Mr. Ajay Sharma, Associate Professor
- Ms. Neha Chadha, Associate Professor
- Mr. Pavitar Singh, Assistant Professor
- Ms. Anamika Jain, Assistant Professor
- Ms. Shweta Joshi, Assistant Professor
- Ms. Priya Sharma, Assistant Professor
- Mr. Karan Mahajan, Assistant Professor



## Resource Persons

The detail of the Expert faculties from prestigious Institutes is as:

- Dr. Gurpreet Singh Lehal, Department of Computer Science, Punjabi University, Patiala
- Dr. Sarabjit Singh, Department of Computer Science & Engineering, Panjab University, Chandigarh
- Dr. Parminder Singh, Department of Computer Science & Engineering, Guru Nanak Dev Engineering College, Ludhiana
- Dr. Akashdeep, Department of Computer Science & Engineering, Panjab University, Chandigarh
- Dr. Amritpal Singh, Department of Computer Science & Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar
- Mr. Ravi Prakash Gupta, Chief Product Officer, Uppwise, Noida

## How to Apply

Participants are required to fill the online registration form by clicking on the below mentioned link or scanning the QR Code

<https://forms.gle/B9VPdGEt4erZjovX8>



(Click here for Registration: limited to 50 Seats only)

## Address for Correspondence

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