

## Keynote Speaker

### **Prof. (Dr.) Manjeet Singh**

Dean, College of Agriculture Engineering & Technology, Punjab Agriculture University, Ludhiana (Punjab) - India.

## Resource Persons

### **Prof. (Dr.) O. P. Gupta**

Head ,  
Department of Electrical Engineering & Information Technoogy , College of Agriculture Engineering & Technology, Punjab Agriculture University, Ludhiana (Punjab) - India.

### **Dr. Jagpreet Sngh**

Assitant Professor,  
Indian Institute of Technology,  
Ropar (Punjab) - India



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ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ  
PUNJABI UNIVERSITY, PATIALA  
(Established Under Punjab Act No.45 of 1961)

*Extended Version of the accepted papers  
will be published in Reputed Journals  
with nominal fees*

# 4th Annual National Seminar

## ROLE OF ARTIFICIAL INTELLIGENCE & AUTOMATION IN MODERN AGE AGRICULTURE

**29TH OCTOBER 2025**

Organized by:  
Department of Computer  
Science & Engineering,  
Punjab University, Patiala



## About Punjabi University Patiala

Punjabi University, Patiala established under the Punjab Act No. 35 of 1961. Dr. S. Radhakrishnan, the then President of India laid foundation of Punjabi University on June 24, 1962. This is the second University in the world to be named after a language, the first being Hebrew University of Israel. Now the university caters to the educational needs of nine Districts of Punjab. Over the time since its inception, the University has evolved into a multi-faceted and multi-faculty educational institution for the promotion of higher education and research in Humanities, Arts, Sciences, Engineering Languages, Technology and many more. Spread over 600 acres of land, its 1500+ teachers are imparting instruction and guidance to nearly 14,000+ students in a multi-faceted, multi-pronged and multi-faculty environment comprising 70+ Teaching and Research Departments / Chairs on its Campus, 27 Regional Centre/ Neighbourhood Campuses/Constituent Colleges and 274 Colleges affiliated to it.

## About the Department

The Computer Science & Engineering Department has been established in the year 2003 evolved towards enhancing computing and its applications to build the intellectual capital of the society. The department prepares over 230 graduates (UG & PG) every year to become leaders in diverse fields such as academia, industry and government. The department also offers research programme (PhD) in various disciplines of computer science and engineering and has earned reputation in North/across India. Providing the content and the context, the department opens a wide window for the students to seize the fleeting opportunities and career vistas in the industry. In addition to classroom teaching, the students are exposed to technical seminars and workshops, invited talks and soft skills development programs were mutually organised by the department and reputed industrialist.

## About The Seminar

As population is increasing day by day and Our food requirement is also increasing, So to fulfil the food requirements with existing resources we have to think about other alternatives to increase the production of crops. This problem requires a smart solution and the role of artificial intelligence will be critical to solving this problem. The role of artificial intelligence in agriculture steps up in other supplemental areas of agriculture also to lift the entire agriculture industry. The major focus of the seminar is to share the contribution of Artificial Intelligence and Automation in Agriculture Sector so that researchers/people from Academia and industry/students can get benefit of the knowledge shared by resource persons and they can try to implement at ground level to help the end users (farmers) afterwards.

## Call For Papers

The scope of this seminar is to provide a platform for academicians, researchers, students as well as industrial professionals to present their research and ideas on the following sub themes :

- *Role of AI in Agriculture Automation, on agriculture*
- *Challenges in the field of Agriculture Automation.*
- *Role of Expert Systems in Agriculture.*
- *Use of Data Mining techniques in automation of Agriculture.*
- *Embedded System in Agriculture*
- *Role of Knowledge Based Systems,*
- *MIS and ERP in Agriculture Automation.*

Note: The sub-themes are only indicative and not exhaustive.

**All seminar instructions including paper formatting are available at our website**

Scan the QR Code for website containing all the instructions including paper formatting.



<https://csepup.ac.in/call-for-papers/>

## Objective of the Programme

- 1.To learn the concept of Artificial Intelligence (AI) in agriculture system.
- 2.To understand the AI enabled devices and their usages in Agriculture Automation.
- 3.Detailed knowledge of embedded system in agriculture applications.

## For whom

The interdisciplinary program specially designed for :

- Students / Teachers of Engineering / Sciences | Agriculture background.
- Industry Professionals / Research Scholars working in relevant fields

## Registration Fee Details

Particulars	Reg. Fee
Industry professionals	3000/-
Faculty	2000/-
Research Scholars	1500/-
Students	1200/-
Paper in Absentia <small>In addition to registration fee</small>	2000/-

Note for all delegates:

*A limited accommodation on payment basis is available in our university campus. It will be provided on the first come first serve basis.*

## Deadlines:

06 Oct. 2025	Paper submission
13 Oct. 2025	Acceptance of the paper <small>(will be intimate through mail)</small>
16 Oct.. 2025	Registration without late fees
24 Oct. 2025	Extended Registration with late fee of Rs. 1000/-

Calling assistance for any queries : 95011-16441 / 98883-54368

You can also mail your queries on: [nationalseminar@csepup.ac.in](mailto:nationalseminar@csepup.ac.in)

QR code for registration and paper submission :

