Keynote Speaker

Dr. Sarabjot Singh Anand
Research Area:
Machine Learning

Resource Persons

Dr. Mani Madhukar
Programme Manager
IBM India Pvt. Ltd.
Research Area: Block Chain, Cloud
Computing, AI, Agriculture

Dr.Mayank Aggarwal
Professor & Head,
Department of CSE,
Gurukul Kangri University, Haridwar
Research Area: Block Chain,
Agriculture

Dr. Neeraj Goel
Assistant Professor,
Department of CSE,
Indian Institue of Technology,
Ropar, Punjab-140001
Research Area: Embedded system
in agriculture Applications

REGISTRATION FORM

Name:
Designation:
Qualification:

Institution:

Address:

Phone No./ Mobile:

Email:

Signature:

ORGANIZING COMMITTEE

Chief Patron

Dr. Arvind
Vice-Chancellor,
Punjabi University, Patiala

Patron

Dr. AK Tiwari
Dean Academics Affairs,
Punjabi University, Patiala

Co-Patron

Dr.Gurmeet Kaur
Dean faculty of Engg & technology

Seminar Chair

Dr. Himanshu Aggarwal
Professor & Head

Seminar Co-Chair

Dr. Lakhwinder Kaur
Professor
Dr. Raman Maini
Professor
Dr.Jaswinder Singh
Professor

Convenor

Dr.Sikander Singh Cheema
Assistant Professor

Co-convenor

Dr.Amardeep Singh
Professor

Coordinators

Er.Lal Chand
Assistant Professor
Dr.Dhavleesh Rattan
Assistant Professor

Co-coordinators

Dr. Navjot Kaur
Assistant Professor
Er. Gurpreet Singh
Assistant Professor
Dr. Sukhwinder Singh Sran
Assistant Professor

ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ
PUNJABI UNIVERSITY, PATIALA
(Established Under Punjab Act No.35 of 1961)

SECOND ANNUAL NATIONAL SEMINAR

Role of Artificial Intelligence & Automation in Modern age Agriculture

November 21, 2023

Organized by:

Department of Computer Science & Engineering Punjabi 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

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

Note: The sub-themes are only indicative and not exhaustive.
All the papers accepted for the presentation in this seminar will be published in the seminar pro- ceeding. The seminar proceeding is likely to be published with reputed publisher.

Submit your manuscripts / entries on:
https://easychair.org/conferences/?conf=nsaiamaa2022/

For more information and seminar instructions please visit our website:
https://csepup.ac.in/national-seminar-2023/

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 :
1. Students / Teachers of Engineering / Sciences / Agriculture background.
2. Industry Professionals / Research Scholars working in relevant fields.

Registration Fee Details

Particulars	Reg. Fee
Industry professionals	2000
Faculty	1500
Research Scholars	1200
Students	1000
Paper in Absentia (In addition to registration fee))	1500

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:

6 November, 2023	Last date for submission of abstract
8 November, 2023	Acceptance of abstract (will be intimate through mail)
13 November, 2023	Submission of full paper and registration
18 November, 2023	Registration with late fee of Rs.500

Calling assistance for any queries:
8146569905 / 9888354368 / 9779939555
You can also mail your queries on:
seminaraia2022@csepup.ac.in

QR Code for website containing all the seminar instructions including paper formatting