OBJECTIVES

The objective of the seminar is to explore the integration of Artificial Intelligence (AI) and Machine Learning (ML) for revolutionizing agriculture and its profound impact on future industries. It aims to understand how AI and ML converge to optimize farming operations, resource allocation and its capabilities in key industries. The Program aims to monitor crop health, predict yield outcomes and Early detection of anomalies for better quality.

After completion of the program, Participants will be able to predict the future trends in AI and ML integration, implement sustainable practices to minimize resource usage policy considerations and explores collaboration opportunities to drive innovation and evaluate economic impacts.

OUTCOMES

- Design and Develop AI with robotics for transforming industries by driving innovation, enhancing efficiency and reshaping methods.
- To identify ethical behavior and promote ongoing learning in digital literacy, ensuring future innovations are responsible and engaging.
- By analyzing advancements in AI-driven solutions and sustainable reinforcement learning, we can see their potential to reshape sectors and promote sustainability.
- Enhancing industry performance and supporting sustainability goals.

RESOURCE PERSON

Sessions will be handled by eminent persons from reputed Institutions/Industries.

DATES TO REMEMBER

Last Date for Receipt of Applications: **05.02.25**
Intimation of Selection   : **07.02.25**
Confirmation by Participants   : **10.02.25**

REGISTRATION FEE

UG / PG Students   : ₹ **150**
Faculty / Research scholar   : ₹ **200**

The registration form duly filled, scanned and must be submitted along with payment proof to **tnscstnskit@gmail.com**

COURSE CONTENTS

- Introduction to Agricultural Revolution with Machine Learning
- Predictive Modeling with Deep Learning AI and Machine Learning
- Data Collection and Preprocessing
- Precision Farming with Machine Learning
- Supply Chain Optimization with Machine Learning
- Integrating Machine Learning into the Harvest Hub Companion App
- Introduction to React Native for Mobile Development
- UI/UX Design Principles for
- Agri-TechApplications

KARPAGAM
INSTITUTE OF TECHNOLOGY
Inspiring Innovation

Autonomous - Approved by UGC and Anna University, Chennai
Approved by AICTE and Affiliated to Anna University, Chennai
Accredited by NAAC with 'A++'
Accredited by NBA - (CSE, IT and ECE)
An ISO 9001:2015 and ISO 14001:2015 Certified Institution
NAAC A++

Tamil Nadu State Council for Science and Technology
தமிழ்நாடு அறிவியல் தொழில்நுட்ப மையம்
TNSCST

"REVOLUTIONIZING AGRICULTURE WITH MACHINE LEARNING"

12 February 2025

APPLICATION FORM

Name   :
Designation   :
Department   :
Organization   :
Gender   :
Address for Communication :

Mobile Number   :
E-mail ID   :
Transaction ID / Ref No :

DECLARATION
The above information is true to the best of my knowledge.

Place :
Date :

Signature of the Applicant

ORGANIZING COMMITTEE

Patron
Dr. P. Manimaran, Principal

Co - Patron
Dr. D. JebaKumar Immanuel, HOD / AI & DS

Co-ordinators
Dr. R. Nallakumar, ASP/AI&DS
Ms. S. Chandragandhi, AP/AI&DS

How to Apply
The Filled Application form should be uploaded in the following link
https://forms.gle/d4cZChMZsMu2a9n36

Payment Mode: Online
The Principal,
Karpagam Institute of Technology
A/C No.: 170001000091300
IFSC Code: IOBA0001700
Bank: Indian Overseas Bank
Branch: Karpagam College

For Further Communication:
Dr. R. Nallakumar, M.E., MBA., Ph.D.,
Associate Professor / AI & DS,
Karpagam Institute of Technology,
Coimbatore - 641105.
Mobile : 99442 14858

ABOUT THE INSTITUTION

Karpagam Institute of Technology, established in 2008 by Dr. R. Vasanthakumar, was founded with the vision of offering quality technical education that emphasizes innovation, research and the development of social and ethical values. The institution is equipped with modern teaching tools, well-maintained laboratories, a lush green environment and state-of-the-art infrastructure. Located in Coimbatore, our institution is recognized as a premier educational hub, committed to delivering excellence in technical education and research. The institution boasts a dynamic faculty, a diverse student body and world-class facilities, making it a true querencia for learning. Engineering education is delivered at its best across six Departments: CSE, IT, AI & DS, ECE, EEE and MECH. The institution is accredited by the NBA for (CSE, ECE & IT) and has earned an A++ grade from NAAC.

ABOUT THE DEPARTMENT

The Department of Artificial Intelligence and Data Science was established in 2020 with the aim of providing quality education in the rapidly evolving field of Artificial Intelligence. The program is designed to develop professionals who are well-equipped with both theoretical knowledge and practical skills, ensuring that students can seamlessly integrate these aspects in their careers. The faculty in the department continually enhance their skills to ensure effective teaching and learning. The key focus areas of the department include Artificial Intelligence, Machine Learning, Deep Learning, Data Analytics, Data Science, and Data Visualization, enabling students to gain proficiency in cutting-edge technologies that drive the future of data-driven decision-making.

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TNSCST

**National Level Seminar
On**

"REVOLUTIONIZING AGRICULTURE WITH MACHINE LEARNING"

12 February 2025

Organized by
Department of Artificial Intelligence and Data Science,
Karpagam Institute of Technology,
Coimbatore – 641 105.

Mobile: 9944214858

E-mail: aiseminar@karpagamtech.ac.in

Website: www.karpagamtech.ac.in