About Institute and Department:

The computer engineering department of Thadomal Shahani Engineering College was established in the year 1984 and has grown over the years into a competent department with state of the art computing facilities and a dedicated faculty. The goal of the department is to establish state of the art computing environment to develop competent computer engineers imbibed with the spirit of professionalism and responsible citizenship. The department emphasizes the vision of the Thadomal Shahani Engineering College for excellence in education. Highly qualified, dedicated faculty and good infrastructure facilities make this dream realizable. The department is accredited by the national board of accreditation for a period of three years until June 2022.

Course Objectives:

- Sensitizing various stakeholders of Indian agriculture about the possibilities of increased integration of AI driven practices for building efficiencies and productivity.
- Profiling resilient supply chain for agriculture produce leveraging IOT and AI enabled procedures.
- Building strategies for integration of AI driven practices in various functional areas of supply Chain management of agriculture produce.
- Exploring the possibilities of building 100% reliable supply chain of agriculture produce with a focus on elimination of waste (Nonvalue Adding Activities).
- Application of cloud in data storage, getting generated by IOT devices integrated in supply chain.
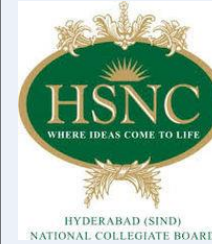
Course Outcome:

- Facilitating enhanced awareness among diverse Indian agricultural stakeholders regarding the potential benefits and practical implementation of AI-driven techniques.
- Establishing a robust agricultural supply chain that demonstrates resilience through the strategic utilization of IoT and AI-enabled processes, resulting in streamlined operations.
- Formulating comprehensive strategies to seamlessly incorporate AI-driven methodologies across distinct functional domains within agricultural supply chain management, culminating in enhanced operational agility and overall optimization of produce distribution and logistics.
- Employing cloud technology for the storage and management of data generated by IoT devices integrated within the supply chain, leading to a highly efficient, informed decision-making and seamless coordination across the entire supply chain ecosystem.

Important guidelines for participants:

- There is no Registration fee for the FDP.
- Register for the FDP at https://aicte-india.org/atal.
- The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, CBSE Teachers, Industry (Bureaucrats/Technicians/Participants from Industry etc.) are eligible to attend the FDP.
- Maximum of 50 participants will be selected on first come first serve basis.
- Confirmation of selected candidates will be intimated through E-mail provided by them during registration.
- Note: The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

Topics to be covered:

- Complexities & bottlenecks in Indian Agriculture segment.
- Current level of information communication technology in management of agriculture activities.
- Intervention of corporation in Indian agriculture sector.
- A case study of E-Choupale.
- IOT as pervasive & ubiquitous technological artifacts for tracking & monitoring systems.
- Security issues in managing IOT signals send to internet.
- IOT for managing agriculture farms
- Designing & creating supply chain of agriculture produced (inward & outward)
- Discussions of government policies for accelerate adaption of IOT kind of ICT tools for building efficiencies in agriculture segment.
- IOT during tracking of agriculture produce which is on move

AICTE Training and Learning (ATAL) Academy Sponsored
One Week Faculty Development Program (FDP) on

'AI in Supply Chain Management of Agriculture Produce'

08th January to 13th January, 2024

Organized by:
Thadomal Shahani Engineering College
Computer Engineering Department
Bandra (West), Mumbai 400050

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Schedule for FDP

Day	Session I 9:30 am - 12:00 noon	Session II 1:00 - 3:00 pm	Session III 3:30 - 5:30 pm
Monday **08/01/2024**	Inauguration and Keynote address Dr. G. T. Thampi Principal, TSEC	Introduction to Artificial Intelligence and related technologies Dr. Tanuja Sarode Professor, TSEC, Bandra	Hands on Session on AI Classification Algorithms for Supply Chain Management Dr. Pallavi Chavhan Associate Professor, RAIT, Nerul
Tuesday **09/01/2024**	Introduction to AI in Supply Chain Management Dr. Gopal Pardesi Associate Professor, TSEC, Bandra	Fundamentals of Data Collection and Preprocessing with Demand Forecasting Models Dr. Gopal Pardesi Associate Professor, TSEC, Bandra	Hands on Data Collection and Preprocessing with Demand Forecasting Models for Supply Chain Management Dr. Gopal Pardesi Associate Professor, TSEC, Bandra
Wednesday **10/01/2024**	Inventory Management with AI Prof. Ramchandra Mangrulkar Professor, DJSCE, Vileparle	AI enabled IOT as pervasive & ubiquitous technological artifacts for tracking & monitoring inventory systems. Dr. Bhushan Jadhav Professor, TSEC, Bandra	Hands on Session on AI Clustering Algorithms for Supply Chain Management Dr. Pallavi Chavhan Associate Professor, RAIT, Nerul

Thursday 11/01/2024	Designing & creating supply chain of agriculture produced (inward & outward) Mr. Vishal Tejwani CEO, Founder BuildAsap Smarthomes	A discussion on government policies for accelerate adaption of AI tools for building efficiencies in supply chain of Agricultural goods Mr. Vishal Tejwani CEO, Founder BuildAsap Smarthomes	Hands on Session on Time series analysis Algorithms for Supply Chain Management Prof. Yogesh Pingle Assistant Professor, VCET, Vasai
Friday 12/01/2024	**Industry Visit**		
Saturday 13/01/2024	Session on National Education Policy Dr. Anant Marathe Principal, HVPM College of Engg. Amravati	Yoga Session Amita Dhadave State Bank Officers Association Public School	Test and Valedictory Function