



AKSHAYA INSTITUTE OF TECHNOLOGY
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Koratagere Road, Tumakuru - 572 106, Karnataka
**DEPARTMENT OF AGRICULTURAL ENGINEERING
AND SMART AGRITECH**



TECHNICAL TALK REPORT

ON

“EMERGING IRRIGATION TECHNOLOGIES AND CAREER OPPORTUNITIES IN JAIN IRRIGATION”

Organized by

**Department of Agricultural Engineering and Smart Agri-Tech
Akshaya Institute of Technology, Tumkur**

Date of Technical Talk: 28th October 2025

**Venue: Department of Agricultural Engineering and Smart Agri-Tech
Akshaya Institute of Technology, Tumkur**

TECHNICAL TALK REPORT
ON
“EMERGING IRRIGATION TECHNOLOGIES AND CAREER OPPORTUNITIES IN
JAIN IRRIGATION”

1. Introduction

The Department of Agricultural Engineering and the Department of Smart Agri-Tech, Akshaya Institute of Technology, Tumkur, organized a Technical Talk on “**Emerging Irrigation Technologies and Career Opportunities in Jain Irrigation Pvt. Ltd.**” on 28th October 2025. The session was specially arranged for the 5th and 7th semester students of both departments to enhance their technical knowledge and industry awareness regarding modern irrigation systems and employment opportunities in the agritech sector.

2. Objectives of the Program

- Provide insights into emerging irrigation technologies such as micro-irrigation, drip, sprinkler and precision irrigation systems.
- Highlight the role of automation and smart sensors in water management.
- Create awareness among students about career opportunities in the irrigation and agri-input industries.
- Bridge the gap between academic learning and industrial practices.
- Encourage students to pursue innovative projects and entrepreneurship in the irrigation sector.

3. Key Speaker Details

Mr. Thoshith Rai

Territory Manager Organization:

Jain Irrigation Pvt. Ltd., Jalgaon, Maharashtra Expertise:

4. Highlights of the Technical Talk

Mr. Thoshith Rai began the session by introducing Jain Irrigation Pvt. Ltd., a global leader in micro-irrigation systems, solar pumping, food processing and sustainable agriculture solutions. He emphasized the company’s mission of 'Leave this world better than you found it,' aligning with sustainability goals.

He elaborated on various modern irrigation technologies such as:

- Drip Irrigation Systems for efficient water use in row and horticultural crops.
- Sprinkler Irrigation Systems for field crops and landscaping.
- Fertigation and Automation Technologies integrating nutrient management with irrigation.
- Sensor-Based Smart Irrigation using IoT, soil moisture sensors and weather data for real-time control.
- Precision Irrigation and GIS Integration to optimize water use and improve crop productivity.

The speaker also discussed career prospects for agricultural engineers and smart agri-tech graduates in various sectors such as micro-irrigation design, project management, sales, technical support, R&D and entrepreneurship. He shared real-life case studies and project experiences from Jain Irrigation's operations across India and abroad, showing the impact of modern irrigation technologies on water conservation and productivity.

5. Student Interaction

The session was highly interactive, with students engaging actively during the Q&A segment. Students raised queries related to the scope of automation in irrigation using IoT and AI tools, required skills and training for employment, and internship opportunities in Jain Irrigation Pvt. Ltd. Mr. Rai addressed all questions in detail and motivated students to acquire practical knowledge in irrigation system design and management.

6. Outcomes of the Program

- Gain updated knowledge about emerging trends in irrigation technologies.
- Understand the career pathways and professional growth opportunities in the irrigation sector.
- Realize the importance of sustainable water management and the role of engineers in achieving it.
- Build industry connections and explore potential internships with Jain Irrigation Pvt. Ltd.

7. Conclusion

The Technical Talk on “Emerging Irrigation Technologies and Career Opportunities in Jain Irrigation Pvt. Ltd.” proved to be highly informative and inspiring. It successfully bridged theoretical knowledge with practical industry applications. The Department of Agricultural Engineering and Smart Agri-Tech expressed heartfelt gratitude to Mr. Thoshith Rai for sharing his valuable insights and to the management and faculty members for organizing the event. The session concluded with a vote of thanks, followed by group interaction and networking.

8. Faculty Coordinators

1. **Dr. Vikas L**, Associate Professor & Head, Department of Agricultural Engineering
2. **Dr. Chandrashekar**, Assistant Professor & Head, Department of Smart Agri-Tech
3. **Dr. Chethan B. J.**, Assistant Professor, Department of Agricultural Engineering
4. **Dr. Manoj D.** Assistant Professor, Department of Smart Agri-Tech

9. Photography (as to be attached)

1. Technical Talk Flyer

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DEPARTMENT OF AGRICULTURAL ENGINEERING AND SMART AGRITECH

TECHNICAL TALK ON

“Emerging Irrigation Technologies and Career Opportunities in Jain Irrigation Pvt. Ltd.”

Speaker: **Mr. Thoshith Rai**
Territory Manager - South Karnataka
Jain Irrigation Systems Ltd,
Jalgaon, Maharashtra, India

PATRONS

Dr. Shivakumar K S
Hon'ble Chairman, AET, Tumkur

Dr. Shobha S
Hon'ble Secretary, AET, Tumkur

Dr. Yathisha L
Principal, AIT, Tumkur

COORDINATOR

Dr. VIKAS L
Associate Prof. and Head
Department of Agricultural Engineering

Dr. CHETHAN B J
Asst. Prof., Dept. of Agril. Engg.

CONVENER

Dr. CHANDRASHEKAR
Asst. Prof., Dept. of Smart Agritech.

Dr. Manoj D
Asst. Prof.
Department of Agricultural Engineering

Dr. SADASHIVANAGOWDA S N O
Asst. Prof., Dept. of Agril. Engg.

OCTOBER 28, 2025
11.00 AM

VENUE
LH 401,
DEPARTMENT OF AGRICULTURAL
ENGINEERING AND SMART AGRITECH

ALL ARE CORDIALLY INVITED

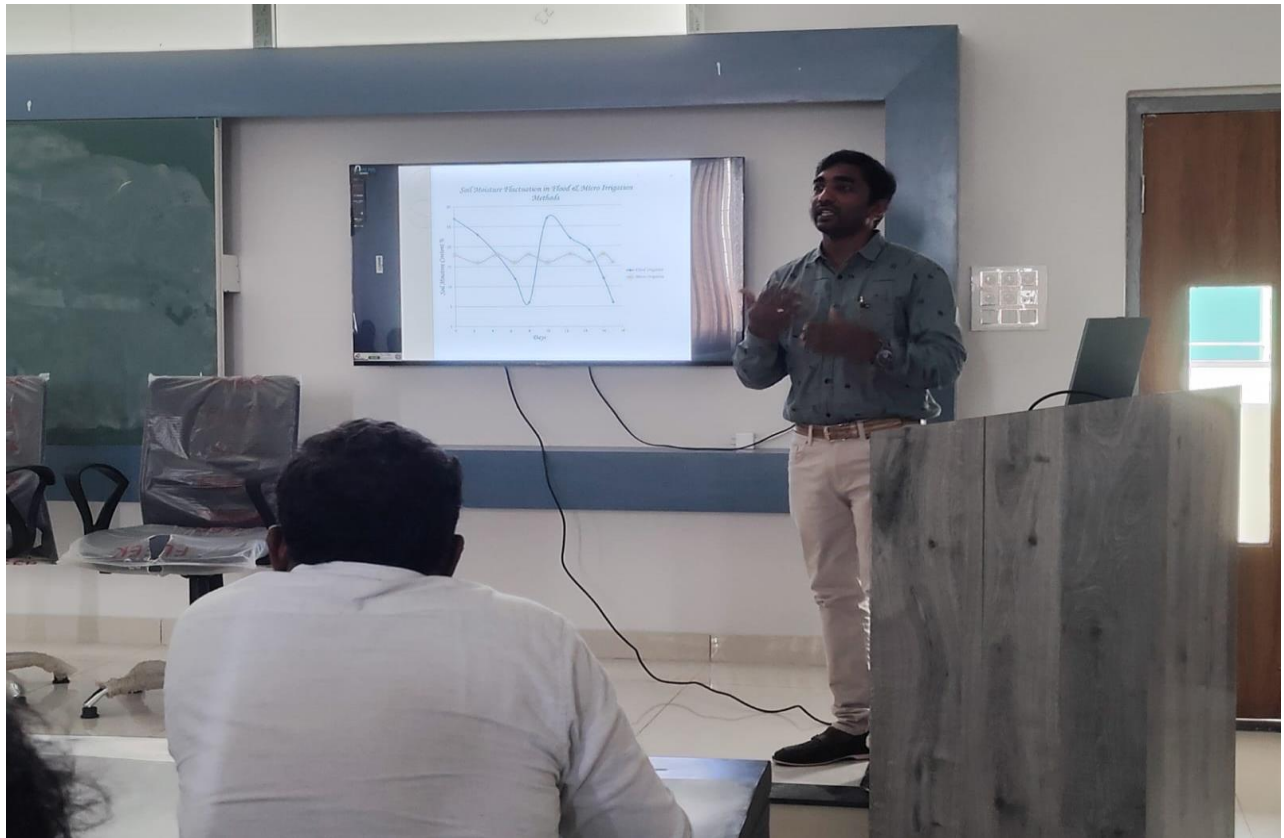
2. Students with resource person



3. Group photo of technical talk



5. Technical talk session



Chethan. B. J.

Dr. Chethan B J

Assistant Professor (Coordinator)

Department of Agricultural Engineering

Vikas

Dr. Vikas L

Associate Professor and Head

Department of Agricultural Engineering

Chandrashekar

Dr. Chandrashekar

Assistant Professor and Head

Department of Smart Agri-Tech