



AKSHAYA INSTITUTE OF TECHNOLOGY
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**DEPARTMENT OF AGRICULTURAL ENGINEERING
AND SMART AGRITECH**



DETAILED REPORT

ON

“2 DAYS JOHN DEERE TRACTOR WORKSHOP”

Organized

By

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

Date of Visit: 13th May 2024 to 14th May 2024

Venue: Akshaya Institute of Technology, Tumkur

REPORT
ON
“2 DAYS JOHN DEERE TRACTOR WORKSHOP”

1. Introduction

A **Two-Day John Deere Tractor Workshop** was organized by the **Department of Agricultural Engineering and Smart Agri-Tech, Akshaya Institute of Technology, Tumkur**, from **13th May 2024 to 14th May 2024**. The workshop was conducted as a part of the **course work on Tractor Systems and Controls** for the **4th Semester** students of both **Agricultural Engineering and Smart Agri-Tech** branches.

2. Objectives of Workshop

The primary objective of this workshop was to provide students with **practical exposure and hands-on experience** regarding the working principles, constructional features, and maintenance of John Deere tractors. The program aimed to bridge the gap between theoretical classroom learning and practical industrial knowledge in the field of tractor systems and farm mechanization. During the two-day session, the resource persons from John Deere provided detailed explanations and demonstrations on various tractor components and systems such as:

- Engine and power transmission systems
- Hydraulic and steering mechanisms
- Brake and clutch operations
- Tractor maintenance procedures
- Safety measures and troubleshooting techniques

3. Participation

Students actively participated in the workshop, gaining valuable insights into **tractor design, assembly, and operational efficiency**. The live demonstrations and interactive sessions enhanced their technical understanding of modern agricultural machinery and tractor technology.

4. Details of the Workshop

- **Title of Workshop:** 2 Days John Deere Tractor Workshop
- **Organized by:** Department of Agricultural Engineering and Smart Agri-Tech, Akshaya Institute of Technology, Tumkur

- **Duration:** 13th May 2024 to 14th May 2024 (2 Days)
- **Participants:** 4th Semester Students of Agricultural Engineering and Smart Agri-Tech
- **Course Work:** Tractor Systems and Controls

5. Conclusion

- The *Two-Day John Deere Tractor Workshop* proved to be an enriching experience for students, offering them practical exposure to real-world tractor systems and components. It enhanced their technical knowledge and skill set in tractor operation, servicing, and maintenance.
- Such workshops play a vital role in motivating students to explore the latest innovations in agricultural machinery and to develop a deeper understanding of mechanized farming practices.

6. Photography (as to be attached)

1. John Deer Tractor attached with M. B plough demonstration in AIT



2. Demonstration Various components of john deer tractor



3. Group photo of students with trainers in Tractor driving class



4. Demonstration Various hydraulic components of john deer tractor



5. John deer Tractor driving class in field (AIT)



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