



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)



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A Report on One-day Industrial Visit to
"Southern Region Farm Machinery Testing and Training Institute (SRFMTTI)"
Organized by Department of Mechanical Engineering
on 17.04.2025

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC - AUTONOMOUS INSTITUTION)
Madanapalle - 517325, Annamayya Dist., Andhra Pradesh, India

DEPARTMENT OF MECHANICAL ENGINEERING
ORGANIZES

Industrial Visit to
Southern region farm machinery training and testing institute (SRFMTTI)

Date : 17.04.2025, Thursday

Tractor nagar, Garladinne , Anantapur .

Chief Patron Dr. N. Vijaya Bhaskar Choudary Secretary & Correspondent	Patron Mrs. Keerthi Nadella Executive Director	Chief Convenor Dr. C. Yuvraj Principal	Convenor Dr. S. Bakaran HOD / Dept. of ME	Event Coordinator Mr. P. Mohammed Rizwan Ali Asst. prof/ Dept. of ME
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Report Submitted by: Mr. P Mohammed Rizwan Ali, Assistant Professor, Department of Mechanical Engineering & Mr. A. Pruthvideep, Assistant Professor, Department of Mechanical Engineering.

Participants: II B. Tech Mechanical Engineering, MITS.

Total Participants: 46

Mode of Conduct: Offline

Report received on 04.05.2025.

One-day Industrial Visit to “Southern Region Farm Machinery testing and training institute(SRFMT&TI)”, was organized for the II Year B. Tech Mechanical Engineering students on 17 April 2025. The Industrial Visit started at 6.00 AM at MITS Campus, by College bus and reached SRFMTTI by 10:30 AM.

About SRFMT&TI:

Southern Region Farm Machinery Training and Testing Institute (SRFMT&TI), Tractor Nagar, Garladinne (PO), Dist.Anantapur is not merely a name within the country among agricultural machinery Institutions that are for the last four decades in the field of farm mechanization. The Institute conducts training courses in operation, maintenance and repair of farm machinery and equipment, and in the improved mechanized farming techniques for the benefits of progressive farmers, tractor owners, technicians, in-service personnel Institute also conducts energy conservation and management camps and arrange training for the women working in the field agriculture. It is the official Institution in the country for the testing of Power tillers and farm equipment's & machinery.



Functional Objectives of SRFMT&TI:

- Decide the type of machine best suited for Indian conditions which could be encouraged for import, production and popularization.
- Help the farmer and other prospective purchasers in determining the comparative performance of Machine available in market
- Provide material to Engineers and Extension workers for guiding farmers in proper selection of equipment.
- Form the basis for standard specification to be used by the manufacturers.
- Help financial Institution in recommending financial assistance both to the manufacturers as well as to farmers.
- Provide feedback to the manufacturers through user's survey on the nature of field complaints and standard of pre and after sales service facilities provided by them.
- Assist Bureau of Indian Standard in formulation of standards and testing of Agriculture machines covered under the scope of certification marks scheme.
- Help the manufacturers in product development by providing confidential Test Report.



46 students along with 2 faculty members of the Mechanical department visited the training and testing division of SRFMTTI. The Educational tour started with a brief introduction about the institute presented by Mr. Nithish Kumar Varma, agricultural engineer at SRFMTTI. He welcomed the group of students and explained to the students how farm Mechanization technology is evolving and helping farmers in different parts of the country. Mr. Bhaskar Rao, technician at SRFMTTI accompanied students to various technology Labs and sections which are present at the institute and explained the technology behind different farm mechanization tools and equipment's like Tillers, Seeders and Tractors etc. Students got the opportunity to witness real time testing of a Ploughing autonomous vehicle being tested at SRFMTTI. After completion of training division students visited the testing department of the institute to learn about the testing procedures. Later the visit concluded with the interaction of Shri Nandede, Director of the institute along with the group photo session with the Director and other SRFMTTI team members.



Outcomes of the Industrial Visit:

- Practical Exposure to Farm Machinery
- First-hand observation of testing procedures for various types of farm machinery (tractors, power tillers, harvesters, etc.).
- Understanding standards and protocols followed during performance, safety, and durability testing.
- Awareness of Technological Advancements. Exposure to modern and advanced agricultural equipment.
- Learning about Certification and Quality Standards. Understanding the certification process and its importance in ensuring quality and safety of farm machinery.
- Familiarity with BIS (Bureau of Indian Standards) guidelines followed by SRFMTTI.
- Interaction with Experts. Opportunity to interact with engineers, researchers, and technicians, gaining real-world insights.

The Visit Concluded by 3:30 PM and students reached the campus by 7:50 PM.

