



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

❖ Approved by AICTE ❖ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.
Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

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REPORT ON VISIT TO TULASI SEEDS PVT LTD, PERECHERLA, GUNTUR, AP

Name of the Visit : **Tulasi Seeds Pvt Ltd, Dokiparru, Perecherla, Guntur**
Course Covered : 22GPBR314 (Principles of Seed Technology)
Date : 05.03.2026
Year and Section : III Year –S1, S2, S3
Number of students participated: 146
Faculty Coordinators : Dr. G. SURESH

Session Activities: The students were accompanied by 6 faculty members. The buses with students started from our college at 08:00AM on 05th March 2026 and reached Tulasi Seeds by 10:30 AM.

Faculty Coordinators: Dr. G. Suresh (8742)
Dr. M. Nagarju (8911)
Dr. Prabhavati N (7883)
Dr. K. Sudhamani (9933)
Dr. P. Nagarjuna (9488)
Dr. M. Sai Kumar (9549)

Objectives of the visit

The main objective of the visit was to know about seed production of cotton hybrid, processing of cotton hybrid after harvesting of seed cotton and purity testing of hybrid cotton seed.

Description of the event

The Tulasi Seeds Pvt Ltd, is the leading company for the production of cotton hybrid. During the visit we met with staff members of company and detailing the purpose of our visit to their company and requested to them kindly share information on seed production of cotton hybrid, processing of cotton hybrid after harvesting of seed cotton and purity testing of hybrid cotton seed to students for benefiting to gain knowledge on seed production technology. Then the staff members explained the complete details of cotton hybrid seed production technology as follows. Firstly visit the cotton parental block and gain the knowledge on male and female plots of cotton, sowing time,

morphology of cotton plants, branching pattern of cotton like monopodial and symphodial, characters of male and female plants, floral biology, process of emasculation and pollination, offtypes and time of harvesting.

Then visit the seed processing plant and gain the knowledge on various stages of seed cotton processing like ginning, delinting, seed drying, seed cleaning, seed grading, seed treatment, packaging and dispatching. The faculty members of Tulasi seeds showcase the processing of cotton through explaining the function of each equipment and instruments involved in the processing. The faculty member explained about Bt testing, Grow out test and seed testing methods like germination percentage, seed vigour. During this visit the students also gained the knowledge on chilli breeding like emasculation and pollination methods and selfing techniques like overall method of selfing by covering of whole plant with nets. The scientists of Tulasi seeds explained the process of development of inbreds in maize by continuous selfing of parental lines. Students observed all activities done in cotton seed production, processing, packaging and dispatch. In addition to these, they acquainted knowledge on how to develop varieties and hybrids. In this visit students gained the hands on experience in chilli breeding and maize breeding. They also got to know about varietal release procedure and the screening process. Specifically, students acquired knowledge on maintenance of parental lines, molecular breeding and seed production technology in cotton. Students are very much interested and thrilled regarding this visit.



Visit of Tulasi Biotechnology Research Laboratory to observe Seed Testing



Visiting of Seed Processing Unit

Outcomes of the visit:

- Students acquired knowledge on hybrid seed production in cotton
- Students acquired knowledge on mechanical seed processing in cotton
- Students acquired knowledge about seed testing technology
- Students gained knowledge about different cotton parental lines and hybrids
- This visit covers the experiments like visit to seed production farm, seed testing laboratory and seed processing unit.
- Students gained the knowledge on chilli breeding.
- Students experienced the method of development of inbred lines in maize.

In-charge

**HoD
KL College of Agriculture**



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Ref: KLEF/ Agriculture/ 2025-2026

Dated: 04-03-2026

CIRCULAR

Sub: KL College of Agriculture – Visit to Tulasi Seeds, Perecherla, Guntur- Reg.

This is to inform all the students at KL College of Agriculture that Department of Genetics & Plant Breeding is pleased to inform that a visit is planned to Tulasi Seeds, Perecherla, Guntur on March, 05-03-2026 from 08:00 AM to 5:30 PM for III year II semester (Y23) as part of course visits in “22GPBR314 – Principles of Seed Technology”. All the students are encouraged to attend this visit.

Thank you.

Visit In-charge

HOD
KL College of Agriculture