

# Tara Government College Sangareddy



(Autonomous)

An ISO 9001: 2015 certified college

**Department of Botany** 

### TRAINING ON SOIL TESTING

The MoU has been done between the department of Botany and Soil Testing Lab, Sangareddy, for two years where Smt. Haritha Madam, Asistant Director of Agriculture has signed the agreement and agreed on the importance and the usefulness of establishing scientific and academic links.

The objective of this MoU is to train the students and to fecilitate the testing of the samples collected randomly by the students. Nearly 50-60 students have been given the training in the month of December- 2021 in two batches. The analysis was done for the samples collected by the students and the report was given by the lab authorites. Based on the report the levels of Macro and Micro nutrients have been identified. The students visited the farmers and recommended the use of Bioferilisers prepared by the Department.

A certificate course has been introduced in soil testing, the classes were taken by the faculty in the Botany Dept. and an examination has also been conducted and the certificate has been given to the students.



### Memorandum of Understanding (MoU) Between DEPT OF BOTANY, TARA GOVERNMENT COLLEGE (A), SANGAREDY SOIL TESTING LAB, SANGAREDDY



Soil Testing Lab, Sangareddy and Department of Botany, Tara Government College, Sangaredy agree on the importance and the usefulness of establishing scientific and academic links, in order to assert and to consolidate the ties of friendship between two departments. The subject to mutual consent, the area of cooperation will include the following aspects;

- 1. The objective of this MoU is to facilitate the testing of samples collected by the students for macro and micro nutrient analysis.
- 2. Participation in seminars and workshops.
- 3. Extension Lectures and Training.
- 4. Certificate programs and projects for skill development.
- 5. Coordination in creating awareness among the farmers for the significance f soil testing to have a better yield.
- 6. Quality enhancement initiatives.

### TERMS OF IMPLEMENTATION:

- 1. Details of the implementation of any particular exchange resulting from this MoU shall be negotiated between the two organizations.
- 2. This MoU becomes effective on the day it is signed and remains valid for two years.
- 3. This MoU will be renewed after two years upon the consent of both organizations.
- 4. Any amendment or modification to the present text shall be submitted for review to the competent authorities, and shall not binding unless reduced to writing and signed by both the
- 5. This MoU does not bind either of the two parties legally or financially. Its aim is to promote relations that will mutually benefit each organization, this being the primary aim of academic collaboration.

In witness where of, the organizations here to have offered their signatures.

PRINCIPAL

Department of Patanky

Tara Government, Collano (A) Sangared dy 562 551 Telano

Asst Director of Agriculture

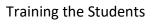
Soil Testing Labor of Agriculture Soil Testing Laboratory

SANGAREDDY-502 001





Asst.Director-Ms. Haritha Madam





Training the Students



Soil Testing Lab, Sangareddy



Principal Ms. M.Praveena Madam addressing the Students



Certificates given to the students

## Tara Government College Sangareddy



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# Certificate of Appreciation

This certificate of appreciation is bestowed on the student for his / her participation and successful completion of the certificate course.

Co-ordinator & In charge Dept. of Botany pluys Now

Co-ordinators

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Principal

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### TARA GOVERNMENT COLLEGE (A), SANGAREDDY

#### SOIL TESTING-EXAMINATION

#### 25 MARKS-1hr

Write about the soil sampling and also about the steps in soil testing?
Short Answers= Zmarks each

#### 2. Define labeling?

- 3. At what time you have to collect the soil samples?
- 4. Write a short note on soil texture?
- 5. What is the pH for acidic and basic soils?
- 6. State the principle of estimation of Gypsum required for alkali soil?
- 7. Write a short note on a wet digestion method?
- 8. What is the major nutrient deficiencies in soil and what are the symptoms seen on plants?
- 9. What is the percentage of Nitrogen in the atmosphere? How does the fixation takes place?
- 10. Define the soil?