ST. JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS) VISAKHAPATNAM

# III SEMESTER **AGRICULTURE AND RURAL DEVELOPMENT** Time: 5hrs/week

AGRO 201P (1)  **CROP PRODUCTION TECHNOLOGY – I** Marks:50

**(CEREALS, MILLETS AND PULSES)**

## w.e.f 22AJ\_2022-2023 (Admitted batch) PRACTICAL SYLLABUS

**OBJECTIVES**

* To study about the understand the principles and practices that underpin modern crop practises
* To study about Optimize and manipulate crop scheduling.
* To study about Exploit understanding in plant sciences.

**Course Outcomes:**

**CO1:** Students will understand about Introduction and development of agriculture.

**CO2:** Students will understand about Nutrient management with special emphasis on nitrogen dynamics, micro nutrients –INM

**CO3:** Students will learn about Harvesting –Yield attributes – yield – post harvest operations

**CO4:** Students will understand about Land Preparation – seeds and sowing – nutrient management – water management – weed management – climate resilient technologies

**CO5:** Students will understand about Maize- Origin- geographical distribution

**EXPERIMENTS:**

1. Raising of rice nurseries including SRI nursery for mechanical transplanting

2. Transplanting of rice

3. Identification of seeds /crops and calculation of seed rate

4. Land preparation and layout of student plots

5. Sowing of crops in student plots

6. Study of the effect of seed size on germination and seedling vigour

7. Identification and management of weeds in cereals and pulses

8. Fertilizer application (top dressing and foliar feeding of nutrients)

9. Agronomic characters of cereal crop varieties

10. Agronomic characters of millet crop varieties

11. Agronomic characters of pulse crop varieties

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