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

III SEMESTER  **AGRICULTURE AND RURAL DEVELOPMENT** TIME: 30HRS

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

w.e.f 2024-2025 (23AK 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 Exploit understanding in plant sciences.

**Course Outcomes:**

**CO1**: Explain about Introduction and development of agriculture.

**CO2:** Outline about Nutrient management with special emphasis on nitrogen dynamics, micro nutrients -INM

**CO3:** learn about Harvesting -Yield attributes - yield - post harvest operations.

**EXPERIMENTS:**

1. Raising of rice nurseries including SRI nursery for mechanical transplanting **(3 hrs)**

2. Transplanting of rice **(3 hrs)**

3. Identification of seeds /crops and calculation of seed rate **(3 hrs)**

4. Land preparation and layout of student plots **(3 hrs)**

5. Sowing of crops in student plots **(3 hrs)**

6. Study of the effect of seed size on germination and seedling vigour **(3 hrs)**

7. Identification and management of weeds in cereals and pulses **(3 hrs)**

8. Fertilizer application (top dressing and foliar feeding of nutrients) **(3 hrs)**

9. Agronomic characters of cereal crop varieties **(3 hrs)**

10. Agronomic characters of millet crop varieties **(3 hrs)**

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**SCHEME OF VALUATION:**

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| **S. No.** | **Experiment** | **Marks (50)** |
| 01 | Major Experiment | 15Marks |
| 02 | Minor Experiment | 10Marks |
| 03 | Viva | 10Marks |
| 04 | Record | 10Marks |
| 05 | Skills | 05Marks |