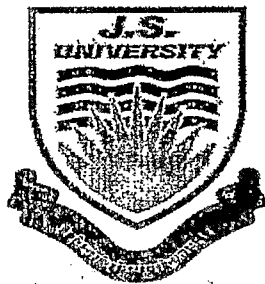


J.S. University, Shikohabad

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Value Added Course

**SEED PRODUCTION
TECHNOLOGY**

Faculty of Agricultural Science



J.S. University, Shikohabad
Faculty of Agricultural
Science

Value Added Course

AY: 2018-19

SEED PRODUCTION TECHNOLOGY

Duration:- 30 Hours. (Theory and Practical)

Perquisites: Seed production technology enables the learners to understand the benefits of improved seed production and can generate self-employment and be able to manage and monitor the seed industry in India.

Assessment criteria/award of certification:-

Participants who secured 90% attendance and secured 80% marks in final Quiz shall be awarded the completion of certificate.

Course Objective(s):-

To impart knowledge regarding principles of seed production

Course Outcomes:

At the end of this course, students will be able to enrich their Experiential Learning on

- Seed production of different crops
- Seed processing, storage and sell of produced seed

Course Syllabus:-

Module I

- Selection of suitable areas/locations, seed/planting material for quality seed production
- Practice on seed production of cereal crops
- Practice on seed production of vegetable crops
- General procedure of seed certification

Module II

- Identification of weed and other crop seeds as per specific crops
- Field inspection at different stages of a crop and observations recorded
- Inspection and sampling at harvesting/threshing for seed law enforcement
- Sampling methods and seed quality test
- Varietal Identification through Grow Out Test and Electrophoresis

Module III

- Different methods of seed extraction
- Learn the seed sampling methods
- Seed testing: physical purity and moisture test
- Seed testing: germination and vigour test
- Seed testing: viability test
- Learn the machines of seed processing

Module IV


- Visit to seed processing unit
- control measures for stored grain disease and pest
- Visit to Seed storage unit

Module V

- Seed marketing: structure and organization and pricing policy
- Visit to seed production farms, seed testing laboratories and seed processing unit.

Reference Books:-

- Seed Technology by R.L. Agarwal
- Seed Production Techniques of Major Crops by Verma O. P.
- Seed Production Principles And Practices by Mcdonald P,



(Name of Faculty)

Course Coordinator


Dr. Kamlesh Kumar



(Name of Faculty)

Dean Academics

Prof. P. P. Singh



(Name of Faculty)

Director/Principle/Dean of
Faculty/Department

Dr. R. A. Keshwani