



### Seed Production club

Sl.no	List of Activities : Odd Semester	Out come of Activities
1	Birth Anniversary of Gregor Johann Mendel on 20 <sup>th</sup> July	To commemorate the birth anniversary of Gregor Johann Mendel and to enhance students' knowledge and appreciation of his groundbreaking research in genetics
2	Hands-On Introduction to Seed Technology lab Instruments	A hands-on experience with Seed technology instruments gives accurate Seed Purity Assessment, Enhanced Understanding of Seed Characteristics and Improved Seed Handling Techniques
3	Germplasm collection : Collecting Seeds of the Future	To collect and preserve a wide variety of plant genetic resources, also known as germplasm
4	Hybridization in self and cross pollinated crops : Art of Breeding Better Plants	Creation of Superior Varieties : development of superior crop varieties that can address critical agricultural challenges and contribute to a sustainable and food-secure future
<b>List of Activities : Even Semester</b>		
1	Visit to near by seed testing laboratory	Gaining knowledge of the rigorous procedures and scientific methods used to assess seed quality
2	Detasseling: Removal of tassel / Pollen Elimination in Maize, A Crucial Step in Maize Breeding	Production of hybrid seeds that exhibit hybrid vigor, leading to increased yield, improved disease resistance, and maintenance of genetic purity
3	Rouging : Role of rouging in seed production plots, Removal of offtypes in seed production plots	Development and maintenance of high-quality crop varieties
4	Extracting and Measuring DNA of crop plants: Involves isolation and quantification of DNA from crop plants.	Genetic purity analysis : Isolation of pure DNA from a crop plant, Understanding Genetic Information: Genetic Variation.
5	Hybridization in self and cross pollinated crops : Art of Breeding Better Plants	Creation of Superior Varieties : development of superior crop varieties that can address critical agricultural challenges and contribute to a sustainable and food-secure future