



**ACTIVITIES**  
**Department of Genetics and Plant Breeding**  
**N. M. College of Agriculture**  
**Navsari Agricultural University, Navsari (Gujarat)**



**1. TEACHING ACTIVITIES**

**A. Undergraduate level**

Sr. No.	Course No.	Course title	Credits
1.	GPB 1.1	Introductory Botany	1+1
2.	GPB 2.2	Fundamentals of Genetics	2+1
3.	GPB 3.3	Fundamentals of Plant Breeding	2+1
4.	GPB 4.4	Fundamentals of Seed Technology	2+1
5.	GPB 4.5	Intellectual Property Rights	1+0
6.	GPB 5.6	Crop Improvement-I ( <i>Kharif</i> )	1+1
7.	Biotech 5.1	Introductory Biotechnology	1+1
8.	GPB 6.7	Crop Improvement-II ( <i>Rabi</i> )	1+1

## B. Master's level

Sr. No.	Course No.	Course title	Credits
1.	GP-501	Principles of Genetics	2 + 1
2.	GP-502	Principles of Cytogenetics	2 + 1
3.	GP-503	Principles of Plant Breeding	2 + 1
4.	GP-504	Principles of Quantitative Genetics	2 + 1
5.	GP-508	Cell Biology and Molecular Genetics	2 + 1
6.	GP-509	Biotechnology for Crop Improvement	2 + 1
7.	GP-511	Breeding Cereals, Forages and Sugarcane	2 + 1
8.	GP-512	Breeding Legumes, Oilseeds and Fiber Crops	2 + 1
9.	GP-515	Maintenance Breeding, Concepts of Variety Release and Seed Production	1 + 1
10.	GP-591	Master seminar	1 + 0

### C. Doctoral level

Sr. No.	Course No.	Course title	Credits
1.	GP-601	Plant Genetic Resources and Pre-Breeding	2 + 0
2.	GP-602	Advanced Biometrical and Quantitative Genetics	2 + 1
3.	GP-603	Genomics in Plant Breeding	2 + 1
4.	GP-604	Molecular and Chromosomal manipulations for crop breeding	2 + 0
5.	GP-605	Advances in Plant Breeding Systems	2 + 0
6.	GP-608	Advances in Breeding of Major Field Crops	2 + 1
7.	GP-691	Doctoral Seminar	1 + 0

## 2. RESEARCH ACTIVITIES

### A. Current Research Projects

Sr. No.	Title of Project	Principal Investigator	Co-PI	Budget Head
<b>PLAN Scheme</b>				
1.	Genetic improvement and physiological evaluation of Mango ginger, Turmeric and Sesbania	Dr. V. L. Parmar	Dr. R. R. Patel	12933
2.	Establishment of Department of Plant Physiology, Tissue culture and Biotechnology of Agriculture College at Navsari	Dr. K. G. Modha	Dr. B. H. Kale	12135A
<b>ICAR Scheme</b>				
1.	AICRP (Spices) Volunteer center	Dr. R. K. Patel	Dr. Madhu Bala Dr. Y. V. Naghera	2045

### **3. EXTENSION ACTIVITIES**

➤ **Departmental staffs are actively engaged in following extension activities**

- Krushi Mela
- Krushi Mohatsav
- Khedut shibir
- Seminar
- Workshop
- Symposium
- Conference
- Visiting farmer's field
- Training to the students
- Farmer's training programme
- Farmer's seminar
- Magazine, Booklets & Leaflets etc...