

DEPARTMENT OF AGRIL. STATISTICS, MATHEMATICS & COMPUTE APPLICATION
COLLEGE OF AGRICULTURE, NAVSARI AGRICULTURAL UNIVERSITY
BHARUCH CAMPUS, BHARUCH

1. INTRODUCTION:

Department of Agril. Statistics, Mathematics & Compute Application is one of the integral components of College of Agriculture. The department is an amalgamation of three disciplines i.e., Agricultural Statistics, Computer Science & Bio Maths. The department is capable of taking high quality research in the areas of, Agricultural Statistics, Applied Computer science and Bio-Mathematics. The department has share 7 credit load at U. G. level and 7 credit load at Polytechnic level. Moreover, department actively involved in statistical consultancy for research, extension workers as & when needed either at college or at University level.

2. OBJECTIVES:

1. To impart teaching and guidance at graduate, post-graduate and doctoral levels (at University Campus) in Agril. Statistics & Computer Science courses.
2. To conduct research on various aspects of Agricultural Statistics and Applied computer Science.
3. To organize capacity building specialized training programmes in Agricultural Statistics and Applied computer Science
4. To conduct the various research projects given by ICAR, state government and other agencies.
5. To transfer the developed technologies to farmers through Information communication tools

3. MAJOR ACTIVITIES:

1. Teaching:

(a) Polytechnic in Agriculture:

Total 3 courses with 7 (5+2) credit loads are being taught from first to sixth semesters Polytechnic in Agriculture

(b) Under graduate:

Total 3 courses with 7 (5+2) credit loads are being taught from first to eight semesters B.Sc. (Hons.) in Agriculture.

(c) Post graduate teaching: Provide statistical consultancy and analysis of experimental research data to PG& Ph.D. students registered at university level.

(d) Other academic activities:

The Under graduate and polytechnic students get benefitted by accessing e –course on line at computer Lab of the college.

2. Research:

This department is also associated with research activities by means of providing statistical consultancy and analysis of research data to the PG& Ph.D. students and scientist involved in research, extension activities.

3. Extension:

- Department is imparting training to the extension workers / officers of department of agriculture Gujarat state, Sugar factories officers / field staff; Gujarat Land Development Corporation officers / field staff and farmers brings by various NGOs to develop their skill for improving statistical knowledge for enhancing their data handling by themselves.

- Department staff is also actively participating in Krushi Mahotsav, KrushiMela, Khedut Din, Khedut Shibir, Seminar, Radio and television programme time to time.
- Department is also imparting training to the students of various rural academic institutes .

4. MAJOR ACHIVEMENTS

1. Teaching:

(a) Polytechnic in Agriculture

To teach following subjects to the students of Polytechnic in Agriculture from first to sixth semester.

Courses offered during odd semester:

S. No.	Semester	Course Number	Title of course	Credits
1	5 th	Ag.Stat.5.2	Agricultural Statistics	2+1

Courses offered during even semester:

S. No.	Semester	Course Number	Title of course	Credits
1	2 nd	Maths 2.1	Bio mathematics	2+0
2	4 th	Ag.Stat.4.1	Introduction to Computer Application	1+1

(b) Under graduate [B.Sc. (Hons.) in Agriculture]

To make the theory and practical note books for U.G. courses are being taught from first to eight semesters B.Sc. (Hons.) in Agriculture.

Undergraduate courses offered during odd semester:

S. No.	Semester	Course Number	Title of course	Credits
1	1 st	Ag. Stat.1.1	Introduction to Computer Application	1+1
2	1 st	Maths 1.1	Applied Mathematics	2+0

Undergraduate courses offered during even semester:

S. No.	Semester	Course Number	Title of course	Credits
1	2 nd	Ag. Stat.2.2	Agril. Statistics	2+1

List of M.Sc. (Agri.) students who have completed their degree successfully:

Other then NAU		Minor advisor
Sr. No.	Number of student	
01	19	To assist in statistical problem and handling their PG/Ph.D. research data
Within NAU		Nil

5. Faculty Information:

Office:

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Area of Specialisation
Design of Experiment and trend analysis



6. FACILITIES:

Following facilities are to be developed-

- i) Undergraduate and faculty experimental computer lab
- ii) Computational lab for data analysis with Statistical software
- iii) Managed switch and LAN facility with firewall

7. RESEARCH ACTIVITY:

(i) Projects

Sr. No.	Title of experiment	Year	Funding agency
1	Uniformity trial in rail fed pigeon pea	2014	Navsari Agricultural University Navsari (Gujrat) (AGRESCO 2014)

(ii) Ongoing experiments

Sr. No.	Title of experiment	AgrescoNo. & Year
	Nil	

8. RESEARCH RECOMMENDATION:

Sr. No.	Title and Recommendation	AGRESCO No. & Year
	Within NAU	
	The plot size under rain fed conidian for Bharuch districts for pigeon pea should be 5.4x4.8 cm	
	Other than NAU	
	-NIL-	

9. PUBLICATION

(i) Research Paper Published in International Journal :

1. D. V Muchhadiya D V BbKabaria D V Patel & K G Patel (2014). "Long term surveillance of population dynamics and correlation of whether parameter with population of major natural enemies of insect pest of BT cotton on farmers field of Rajkot districts". Int Science H Journal .,1(1) 53-57 2014

(ii) Research Paper Published in National Journal :

1. N B Chauchan, P Kanani& D V Patel.,(2015) "Motivational Factors For Vermin Compost Technology" during National seminar on Magnitude of Extension Approaches in Agricultural Development organized by SEEZ & NAU at Navsari on 7-8 February 2015.
2. N B Chauchan, P Kanani& D V Patel.,(2015) "Vermi -compost a boom for sustainable agricultural for peasantry" during National seminar on Magnitude of Extension Approaches in Agricultural Development organized by SEEZ & NAU at Navsari on 7-8 February 2015.

List of published books/Manual: 01/04

List of practical records prepared (In press)

Sr. No.	Semester	Course Number	Title of course
1	1 st	Ag.Stat.1.1	Introduction to Computer Application
3	2 nd	Ag.Stat.2.2	Agricultural Statistics

10. TRANSFER OF TECHNOLOGIES:

1. Department staff is also actively participating in Krushimahotsav, Krushimela, Khedut Din, KhedutShibir, Seminar, Radio and television programme time to time.
2. This department is also guiding farmers through publishing press notes in daily news paper and weekly/monthly periodicals on the various aspects of agricultural market demand .

11.FUTURE PLAN

- i) To aware the student with latest Information Communication Tools i.e. ICT technologies with new aspects.
- ii) Update the new courses curriculum will caters the existing agricultural research needs
- iii) To take the new initiatives to solve the current burning issue in agriculture forecasting
- iv) To improve the department by establishing well equipped computer center and to make the whole college campus Wi-Fi Enabled.
- v) To start research projects on forecasting, climate change and renewable energy
- vi) To establish of Remote Sensing & GIS lab with latest software facilities

12.CONTACT PERSON:

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