

DEPARTMENT OF AGRICULTURE ENGINEERING
COLLEGE OF AGRICULTURE, NAVSARI AGRICULTURAL UNIVERSITY
BHARUCH CAMPUS, BHARUCH

1. INTRODUCTION:

Department of Agricultural Engineering is one of the components of College of Agriculture. The Department is engaged in teaching, research and extension activities at U.G. level and Polytechnic levels.

2. OBJECTIVES:

1. To upgrade the knowledge, skill and different principles in education and research in Agricultural Engineering field.
2. To impart the education at Polytechnic in Agriculture, U.G. level.
3. To develop the agricultural engineering technologies for farmers and scientific communities.
4. To transfer the developed technologies to farmers through literature distribution, popular articles in news paper, khedut shibir and krishi mahotsav.

3. MAJOR ACTIVITIES:

1. Teaching:

(a) Polytechnic in Agriculture:

Total 3 courses with 7 (4+3) credit are being taught from first to six semesters of Polytechnic in Agriculture

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

Total 4 courses with 9 (5+4) credit are being taught from first to eight semesters B.Sc. (Hons.) in Agriculture.

2. Research:

On farm implements and soil & water conservation.

3. Extension:

- Department is imparting training to the extension workers / officers of department of agriculture of Gujarat state / field staff; Gujarat Land Development Corporation officers / field staff and farmers. Through training we developed their skill for operating different farm implement and thereby increasing farm production.
- Department staff is also actively participating in Krushi Mahotsav, Krushi Mela, 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.
- This department is also guiding farmers through publishing press notes in daily news paper.

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:

Sr. No.	Semester	Course Number	Title of course	Credits
1	5 th	Ag.Engg.5.3	Fundamentals of Soil Water Conservation and Engineering	2+1

Courses offered during even semester:

Sr. No.	Semester	Course Number	Title of course	Credits
1	2 nd	Ag.Engg.2.1	Fundamentals of Agricultural Engineering	1+1
2	4 th	Ag.Engg.4.2	Post Harvest Technology	1+1

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

To prepare 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:

Sr. No.	Semester	Course Number	Title of course	Credits
1	3 rd	Ag.Engg.3.2	Farm Power and Machinery	1+1
2	5 th	Ag.Engg.5.3	Protected Cultivation and Post Harvest Technology	1+1

Undergraduate courses offered during even semester:

Sr. No.	Semester	Course Number	Title of course	Credits
1	2 nd	Ag.Engg.2.1	Fundamentals of Soil Water Conservation and Engineering	2+1
2	6 th	Ag.Engg.6.4	Renewable Energy	1+1

5. FACILITIES:

Well equipped laboratory is available.

6. RESEARCH ACTIVITY:

- (i) Projects: NIL
- (ii) Ongoing experiments: NIL

7. RESEARCH RECOMMENDATION: N.A.**8. PUBLICATION**

- (i) Research Paper Published in International Journal: Nil
- (ii) Research Paper Published in National Journal: Nil

9. TRANSFER OF TECHNOLOGIES:

1. Department staff is also actively participating in Krushimahotsav, Krushi mela, Khedut Din, Khedut Shibir, Seminar time to time.
2. This department is also guiding farmers through publishing press notes in daily news paper and weekly/monthly periodicals.