

## 1. TEACHING ACTIVITIES

### A. Undergraduate level (As per Fifth Deans' Committee)

| Sr. | Course Code   | Course title                                                                | Credits |
|-----|---------------|-----------------------------------------------------------------------------|---------|
| 1.  | Ag. Extn. 3.1 | Fundamentals of Agricultural Extension Education                            | 2+1     |
| 2.  | Ag. Extn. 4.2 | Rural Sociology and Educational Psychology                                  | 2+0     |
| 3.  | Ag. Extn. 5.3 | Communicational Skills and Personality Development                          | 1+1     |
| 4.  | Ag. Extn. 6.4 | Entrepreneurship Studies and Business Communication                         | 1+1     |
| 5.  | Ag. Extn. 7.5 | Rural Awareness Work Experience (RAWE) and Agro-Industrial Attachment (AIA) | 0+20    |
| 6.  | ET 7.6        | Exposure through Educational Tour                                           | 0+2     |
| 7.  | ELP / HoT     | Experiential Learning Programme (ELP)/ Hands on Training (HOT)              | 0+20    |

### B. Undergraduate level (As per Sixth Deans' Committee)

| Sr. | Course Code | Course title                               | Credits |
|-----|-------------|--------------------------------------------|---------|
| 1.  | EXT 1.1     | Rural Sociology and Educational Psychology | 2+0     |
| 2.  | EXT 2.1     | Personality Development                    | 1+1     |
| 3.  | EXT 3.1     | Fundamentals of Extension Education        | 1+1     |

### C. Master's level

| Sr.                  | Course Code | Course title                                        | Credits |
|----------------------|-------------|-----------------------------------------------------|---------|
| <b>MAJOR COURSES</b> |             |                                                     |         |
| 1.                   | EXT-501     | Extension Landscape                                 | 2+0     |
| 2.                   | EXT-502     | Applied Behaviour Change                            | 2+1     |
| 3.                   | EXT-503     | Organisational Behavior and Development             | 2+1     |
| 4.                   | EXT-504     | Research Methodology in Extension                   | 2+1     |
| 5.                   | EXT-505     | Capacity Development                                | 2+1     |
| 6.                   | EXT-506     | ICTs for Agricultural Extension & Advisory Services | 2+1     |
| 7.                   | EXT-507     | Evaluation and Impact Assessment                    | 2+1     |
| <b>MINOR COURSES</b> |             |                                                     |         |
| 8.                   | EXT-508     | Managing Extension Organizations                    | 2+1     |
| 9.                   | EXT-509     | Enabling Innovation                                 | 1+1     |
| 10.                  | EXT-510     | Gender Mainstreaming                                | 2+1     |
| <b>SEMINAR</b>       |             |                                                     |         |
| 11.                  | EXT-591     | Master's Seminar                                    | 1+0     |
| <b>RESEARCH</b>      |             |                                                     |         |
| 12.                  | EXT-599     | Master's Research                                   | 30      |

## D. Doctoral level

| Sr.                  | Course Code | Course title                                      | Credits |
|----------------------|-------------|---------------------------------------------------|---------|
| <b>MAJOR COURSES</b> |             |                                                   |         |
| 1.                   | EXT-601     | Policy Engagement and Extension                   | 2+1     |
| 2.                   | EXT-602     | Methodologies for Social and Behavioural Research | 2+1     |
| 3.                   | EXT-603     | Technology Commercialization and Incubation       | 2+1     |
| 4.                   | EXT-604     | Educational Technology and Instructional Design   | 2+1     |
| <b>MINOR COURSES</b> |             |                                                   |         |
| 5.                   | EXT-605     | Risk Management and Climate change Adaptation     | 2+1     |
| 6.                   | EXT-606     | Livelihood Development                            | 1+1     |
| 7.                   | EXT-607     | Facilitation for People centric development       | 2+1     |
| <b>SEMINAR</b>       |             |                                                   |         |
| 8.                   | EXT-691     | Doctoral Seminar-I                                | 1+0     |
| 9.                   | AEC-692     | Doctoral Seminar-II                               | 1+0     |
| <b>RESEARCH</b>      |             |                                                   |         |
| 10.                  | EXT-699     | Doctoral Research                                 | 75      |

## 2. RESEARCH ACTIVITIES

### A. Current Research Projects

| Sr. No.                                 | Title of Project                                                                                                          | Principle Investigator | Co-PI                                                        | Budget Head |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------|-------------|
| <b>Plan Scheme</b>                      |                                                                                                                           |                        |                                                              |             |
| 1.                                      | Strengthening of Extension Wing                                                                                           | Professor & Head       | Dr. P.B. Khodifad                                            | 12145       |
| 2.                                      | Student READY Programme<br>i) RAWEP<br>ii) ELP / HoT                                                                      | Professor & Head       | Dr. P.B. Khodifad                                            | 12968       |
| <b>Departmental Research Programmes</b> |                                                                                                                           |                        |                                                              |             |
| 3.                                      | Socio-economic consequences of COVID-19 pandemic on farming community in South Gujarat                                    | Dr. O. P. Sharma       | Dr. D. J. Chaudhary                                          | 3126-1      |
| 4.                                      | Awareness about agricultural hazards among the farmers of South Gujarat                                                   | Dr. K. L. Chaudhary    | Prof. V. P. Vejapara<br>Dr. R. M. Naik<br>Dr. R. D. Pandya   | 5106        |
| 5.                                      | Development and standardization of scale to measure perception of crop crisis and its management                          | Dr. S. R. Kumbhani     | Dr. P. B. Khodifad<br>Dr. R. M. Bhuva<br>Dr. R. D. Pandya    | 5240        |
| 6.                                      | Identification and prioritizing the thrust areas for agriculture research                                                 | Dr. P. B. Khodifad     | Dr. R. M. Naik<br>Dr. K. L. Chaudhary<br>Dr. S. R. Kumbhani  | 5106        |
| 7.                                      | Training needs and information seeking behavior of the farmers about natural farming in South Gujarat                     | Dr. R. M. Bhuva        | Dr. R. M. Bhuva<br>Dr. S. R. Kumbhani<br>Dr. O. P. Sharma    | 3126-1      |
| 8.                                      | Internet utilization behavior of students of Navsari Agricultural University, Navsari                                     | Dr. K. L. Chaudhary    | Dr. R. M. Bhuva<br>Mr. A. P. Chaudhary<br>Dr. O. P. Sharma   | 5106        |
| 9.                                      | Attitude and usefulness towards NAVROJI biofertilizers among the farmers in Navsari and Valsad districts of South Gujarat | Dr. S. R. Kumbhani     | Dr. R. M. Bhuva<br>Dr. P. B. Khodifad<br>Dr. K. L. Chaudhary | 5240        |
| 10.                                     | Effectiveness of Scheme of developing High Quality Research (SHODH) in State Agricultural Universities of Gujarat         | Dr. K. L. Chaudhary    | Dr. R. M. Bhuva<br>Dr. A. P. Chaudhary<br>Dr. O. P. Sharma   | 5106        |

### **3. EXTENSION ACTIVITIES**

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

- Krushi Mela
- Krushi Mohatsav
- Khedut shibir
- Khedut Din
- Seminar
- Workshop
- Symposium
- Conference
- Visiting farmer's field
- Training to the students
- Farmer's training programme
- Farmer's seminar
- TV & Radio talk
- Magazine, Booklet & Leaflet *etc...*

### **Achievements of Department**

➤ **Strengthening of Extension Wing Project**

**Year- 2016-17**

- Collection and analysis of Soil Samples of 270 farmers selected under the project.
- Distribution of sets of 15 folders containing the information of recommended practices of major crop 68 South Gujarat to 660 selected farmers.
- Farmers-Students-Scientists interaction holds in selected villages in while 132 students, 340 farmers & 18 Agri. Scientist were participated.

**Year- 2017-18**

- Six Khedut shibir and three farmers meeting were organized in selected villages.
- Folders on different topics prepared by the department were distributed in the village where Khedut shibir were organized.
- Bench mark survey was under taken for collecting bench mark information from 270 selected farmers.
- Total 270 soil samples were collected from the selected farmers' field for soil analysis.

**Year- 2018-19**

- Under this project-2 Digitization of Expert Extension Approach for Agriculture of South Gujarat programme the Expert System of Rice has been developed.
- To provide Agriculture Information and training to the farmers of selected villages, the Six Khedut shibir were organized.
- To provide Agricultural Information to the farmers a set of 15 folders prepared by this Department distributed to 270 farmers.
- Scientists-farmers-students interface interaction was made during Khedut shibirs.

#### **Year- 2019-20**

- Expert system of paddy developed.
- Student-farmers interaction in 8 villages held.
- 720 folders about 15 crops and their technologies were distributed to the Sugar cane growers.

#### **Year- 2020-21**

- Expert system on Sugarcane developed.
- Mobile App for the farmers of the South Gujarat was developed.

#### **Year - 2021 -22**

- A total of 270 farmers have been trained about profitable training of Sugarcane crop.

#### **Year - 2022 -23**

- 107 Farmers Trained through Four Training Programme about Sugarcane Export System and Mobile App.
- Organize the farmers – students – scientists’ interfaces at for conceptualizing the elements of transfer of technology.

#### **Year - 2023 -24**

- Organized five on-campus farmers– scientists’ interfaces for five selected villages to know the most confronting problems and its solutions. In these farmers– scientists’ interfaces 127 farmers of five villages were participated. Later, most confronting problems and its solutions were incorporated in sugarcane expert system and mobile app.

### **Year - 2024 -25**

- Organized five on-campus farmers– scientists’ interfaces for five selected villages to know the most confronting problems and its solutions. In these farmers– scientists’ interfaces 127 farmers of five villages were participated. Later, most confronting problems and its solutions were incorporated in sugarcane expert system and mobile app.

### **Year - 2025 -26**

- Four on campus farmers training were organized (two training programme on Scientific Farming of Summer Paddy and two on Scientific Farming of Vegetables Crops).

## **➤ RAWEP Project**

**Year wise enrolled of students and have completed successfully under RAWEP programme is as follows;**

| <b>Sr.</b> | <b>Batch</b>         | <b>Year</b> | <b>Enrolled Students</b> | <b>Pass out Students</b> | <b>Cumulative total</b> |
|------------|----------------------|-------------|--------------------------|--------------------------|-------------------------|
| 1.         | 1 <sup>st</sup> RWAE | 2003-04     | 53                       | 53                       | 53                      |
| 2.         | 2 <sup>nd</sup>      | 2004-05     | 71                       | 71                       | 124                     |
| 3.         | 3 <sup>rd</sup>      | 2005-06     | 54                       | 54                       | 178                     |
| 4.         | 4 <sup>th</sup>      | 2006-07     | 39                       | 39                       | 217                     |
| 5.         | 5 <sup>th</sup>      | 2007-08     | 25                       | 25                       | 242                     |
| 6.         | 6 <sup>th</sup>      | 2008-09     | 52                       | 52                       | 294                     |
| 7.         | 7 <sup>th</sup>      | 2009-10     | 79                       | 79                       | 373                     |
| 8.         | 8 <sup>th</sup>      | 2010-11     | 73                       | 73                       | 446                     |
| 9.         | 9 <sup>th</sup>      | 2011-12     | 52                       | 52                       | 498                     |
| 10.        | 10 <sup>th</sup>     | 2012-13     | 59                       | 59                       | 557                     |
| 11.        | 11 <sup>th</sup>     | 2013-14     | 83                       | 83                       | 640                     |
| 12.        | 12 <sup>th</sup>     | 2014-15     | 95                       | 94                       | 734                     |
| 13.        | 13 <sup>th</sup>     | 2015-16     | 119                      | 118                      | 852                     |
| 14.        | 14 <sup>th</sup>     | 2016-17     | 132                      | 132                      | 984                     |
| 15.        | 15 <sup>th</sup>     | 2017-18     | 103                      | 102                      | 1086                    |
| 16.        | 16 <sup>th</sup>     | 2018-19     | 128                      | 127                      | 1213                    |
| 17.        | 17 <sup>th</sup>     | 2018-20     | 117                      | 115                      | 1328                    |

|     |                  |          |     |     |      |
|-----|------------------|----------|-----|-----|------|
| 18. | 18 <sup>th</sup> | 2020-21  | 111 | 110 | 1438 |
| 19. | 19 <sup>th</sup> | 2021-22  | 134 | 133 | 1571 |
| 20. | 20 <sup>th</sup> | 2022-23  | 153 | 150 | 1721 |
| 21. | 21 <sup>st</sup> | 2023-24  | 144 | 144 | 1865 |
| 22. | 22 <sup>nd</sup> | 2024--25 | 125 | 125 | 1990 |
| 23. | 23 <sup>rd</sup> | 2025-26  | 158 | 158 | 2148 |