

**DEPARTMENT OF AGRICULTURAL ECONOMICS**  
**COLLEGE OF AGRICULTURE, NAVSARI AGRICULTURAL UNIVERSITY**  
**BHARUCH CAMPUS, BHARUCH**

### **1. INTRODUCTION:**

Department of Agricultural Economics, established in the year 2012 is one of the integral components of College of Agriculture. The Department engages itself in all the three core activities of teaching, research and extension which constitute the integrated system of education in the university. Presently, courses are being offered at under graduate, post graduate and polytechnic level.

### **2. OBJECTIVES:**

- To upgrade knowledge skills and different principles in education and research in agricultural economics field.
- To impart education at Diploma, U.G. and P.G. level.
- To conduct the various research projects given by ICAR, state government and other agencies as well as to participate in multi-disciplinary research projects.
- To participate in various extension activities and transfer the technologies of farmers through literature distribution, popular articles in news paper and training etc.

### **3. MAJOR ACTIVITIES:**

#### **1. Teaching:**

##### **(a) Polytechnic in Agriculture:**

One course with 2 (2+0) credit hours is being taught in this first semester in Polytechnic in Agriculture.

##### **(b) Undergraduate:**

Total 4 courses with 11 (8+3) credit loads are being taught from First to eighth semesters B.Sc.(Hons.) in Agriculture.

**(c) Post graduate teaching:** The Department offers 1 supporting course (1+1) and 1 Non- credit compulsory course (0+1).

##### **(d) Other academic activities: NIL**

#### **2. Research:**

The department undertakes research on socio economic problems of the farming community of the state in general and South Gujarat Agro-Climatic Zone in particular through various research projects.

#### **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 crop 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 on the agronomic aspects of major crops of this zone.

## 1. Teaching:

### (a) Polytechnic in Agriculture

To teach the 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	1 <sup>st</sup>	Ag.Econ.1.1	Fundamentals of Agricultural Economics	2+0

#### Courses offered during even semester :Nil

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

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

#### Under graduate courses offered during odd semester:

S. No.	Semester	Course Number	Title of course	Credits
1	3 <sup>rd</sup>	Ag.Econ.3.2	Agricultural Finance and co-operation	2+1

#### Under graduate courses offered during even semester:

S. No.	Semester	Course Number	Title of course	Credits
1	2 <sup>nd</sup>	Ag.Econ.2.1	Fundamentals of Agricultural Economics	2+0
2	4 <sup>th</sup>	Ag.Econ.4.3	Agricultural Marketing, Trade and Prices	2+1
3	6 <sup>th</sup>	Ag.Econ.6.4	Farm Management, Production and Resource Economics	2+1

#### List of M.Sc.(Agri.) students guided

Sr. No.	Name of Student	Name of Advisor	Subject
1	Mungalpara Kaushik Ukabhai	Dr. P.M.Thanki	Agricultural Economics

## 6. FACILITIES:

### Following facilities have been developed-

- i) Classroom cum Laboratory
- ii) Departmental library
- iii) Storeroom
- iv) LCD projector and Desk top computers

## 7. RESEARCHACTIVITY:

### (i) Projects

Sr. No.	Title of experiment	Year	Funding agency
1.	Economic analysis of Rabi Jowar in Bharuch district of South Gujarat in 2021-22.	2021-22	18 <sup>th</sup> Agresco-2022
2.	Yield gap and economic analysis of Bt cotton in Bharuch district of South Gujarat in 2021-22.	2021-22	18 <sup>th</sup> Agresco-2022

## 8. RESEARCH RECOMMENDATION:

Sr. No.	Title and Recommendation	AGRESKO No. & Year
Within NAU		
	-NIL-	-
Other then NAU		
	-NIL-	-

## 9. PUBLICATION

### (i) Research Paper Published in Journals:

#### 1. 2016-17

- Hiremath, D.B., Shiyani, R.L. and Dakhore, K.K. (2016). Rainfall diagnosis in context of cereal yields in Gujarat. *Mausam (IMD)*, **67** (4): 919-926.
- Hiremath, D.B., Shiyani, R.L. and Mundinamani, S.M. (2016). Computation of vulnerability indices for the drylands of Saurashtra in climate change setting. Book entitled Development of Dry land Agriculture to overcome crisis: Problems and Prospects. Published in support with NABARD-2016.p-263-272.
- Mundinamani, S.M. and Hiremath, D.B. (2016). Problems and Prospects of Agricultural Insurance in India. Indian Economy: Views and Vision: Essays in Honour of Professor V.B. Jugale. Serials Publications, ISBN10: 8183877400. (Book chapter)
- Hiremath, D.B., Hiremath, D. and Shiyani, R.L. (2016). Information and Communication technology in Agriculture and Rural Development. Book entitled Agriculture: Innovation, Strategy & Technology in 21<sup>st</sup> century. Archers and Elevators Publishing House, Vol. 2 182-193. ISBN: 978-93-85640-01-8. (Book chapter)

## 2. 2017-18

- Patel, K. G. and Hiremath, D.B. (2017). View: Approaches for doubling farmers' income. Compendium of the winter school on approaches for doubling farmers' income: Pg.1-9. (Book chapter)
- Patel, K. G. and Hiremath, D.B. (2017). Scenario of Agricultural production and productivity in India. Compendium of the winter school on approaches for doubling farmers' income. Pg. 10-14. (Book chapter)
- Salunkhe, S.R., Netravathi, G. and Hiremath, D.B. (2017). Gender and Alternative livelihood Options. Readers Self Magazine. 13 (12):52-55. (Popular article)
- Thanki, P.M, Patel, S.R., Patel, K. H., Hiremath, D.B. and Thanki, H.P (2017). *Chalo Kheti Pakoma Mulya Vrudhi kari Vadhu Aavak medaviye. Gujarat Samachar Krushi Vishva (Surat Avruti)* dated 24/07/2017. (Popular article)

## 3. 2018-19

- Hiremath, D.B. and Netravathi, G. (2018). India's Position on the food security front: A case of poverty in plenty. *Current Advances in Agricultural Sciences (An International Journal)*, 10 (1): 58.
- Netravathi, G., Chauhan, N.B. and Hiremath, D.B. (2018). Role of women research scholar's personal demographic characteristics in relationship with climate change. *Multi-logic in Science*, 8 (1c):356-359.
- Mungalpara, K.U., Thanki, P.M., Makadia, J. J. Thumar, V. M., Hiremath, D.B. and Shrivastava, A. (2018). Economics of banana cultivation in Bharuch District of South Gujarat. *Multi-logic in Science*, 8 (1c): 81-84.
- Hiremath, D.B., Shiyani, R.L. and Shrivastava, A. (2018). Factors Influencing Productivity of Major Crops in various Districts of Gujarat: A Socio Economic Analysis in the Context of climate change. *International Research Journal of Agricultural Economics and Statistics*, 9 (1): 149-155.
- Makadia, J. J., Khatri, R.T., Mistry, H.H. and Hiremath, D.B. (2018). Economics of milk production of cows and buffaloes in Navasri District of Gujarat. *International Research Journal of Agricultural Economics and Statistics*, 9 (2): 271-277.
- Thanki, P.M., Hiremath, D.B., Shrivastava, A. and Rudrapur, S. (2018). Production and marketing of papaya (*Carica Papaya L.*) "The melon of health": An economic analysis in Bharuch District of South Gujarat. *Journal of Pharmacognosy and Phytochemistry*, 7 (3 S), Part M: 490-494.
- Shrivastava, A., Singh, V., Patel, K.G., Hiremath, D.B. and Abhishek, D. (2018). Common errors while applying design of experimentation in special reference to aromatic and medicinal plant. *Journal of Pharmacognosy and Phytochemistry*, 7 (3 S), Part G: 290-296.

- Singh, V., Shrivastava, A., Patel, K.G., Markam, R. and Hiremath, D.B. (2018). Study of biochemical changes and microbial load of custard apple RTS beverage for better human health and nutrition. *Journal of Pharmacognosy and Phytochemistry*, **7** (3 S), Part I: 367-371.
- Singh, V., Shrivastava, A., Patel, K.G., Hiremath, D.B., Kore, P.N. and Yadav, L. (2018). Consistency of aonla candy for better immunity. *Journal of Pharmacognosy and Phytochemistry*, **7** (3 S), Part L: 475-478.
- Mohapatra, U., Rudrapur, S., Hiremath, D.B. and Mohapatra, S. (2018). Medicinal and aromatic plants sector in Karnataka: An economic perspective and SWOT analysis. *Journal of Pharmacognosy and Phytochemistry*, **7** (3 S), Part F: 232-235.
- Thanki, P.M., Hiremath, D.B., Shrivastava, A. and Dhandhukiya, R.D. (2018). Production and Marketing Dynamics of major vegetables in Bharuch District of South Gujarat. *International Research Journal of Agricultural Economics and Statistics*, **9** (1):184-193.
- Mundinamani, S.M., Hiremath, D.B. and Chouti, S.P. (2018). Agri-Export Zones for Promoting Farm Exports in India. Leading issues in Agribusiness. Excel India Publishers, Prof. M. Devaraj Felicitation Volume p. 350-352. (Book Chapter)

#### **4. 2019-20**

- Netravathi, G., Hiremath, D.B. and Dhandhukiya, R.D. (2019). Agricultural Marketing Reforms in Gujarat: An Over View. Compendium SEEG National Symposium: p-123.
- Netravathi, G. and Hiremath, D.B. (2019). Growth and Supply chain Management of Food Retail Chains. *Agriculture update*, **14** (2).

#### **5. 2020-21**

- Hiremath, D.B. and Makadia, J.J. (2020). Growth and instability of area under drip method of irrigation in South Gujarat- a district-wise analysis. *International Journal of Agricultural Sciences*, **17** (1).
- Hiremath, D.B., Rudrapur, S. and Dubey, L.R. (2020). Production and marketing of marigold in Bharuch district of South Gujarat. *Journal of Agricultural Research and Technology*, **45** (1): 55-60.

**(ii) List of published books:**

- Patel, J.J., Waghunde, R.R., Deepa Hiremath, Shinde, C.U. and Makwana, H. S. (2020). Abstract book- (e-Souvenir) National Symposium on Plant Health Management. Publisher: The Dean & Principal, College of Agriculture, NAU, Campus, Bharuch. (e-book)
- Hiremath, D.B., Shiyani, R. L. (2014). Adapting Agriculture to climatic variability in Gujarat. Research India. Publications, 978-93-84144-22-7.

**10. TRANSFER OF TECHNOLOGIES:**

- Department staff is also actively participating in Krushi mahotsav, Krushi mela, Khedut Din, Khedut Shibir, Seminar, Radio and television programme time to time.
- The department is also guiding farmers through publishing press notes in daily news paper and weekly/monthly periodicals on the agronomic aspects of major crops.