Vision:

The College is a centre of excellence for teaching, research and the dissemination of latest agricultural technology through extension activities for sustainable agriculture in continuance of state and national demand.

Goal:

To maintain the supremacy in India as well as in World for agriculture, agricultural education, sustainable, economic production, quality and variety of agriculture produce.

College of Agriculture, Bharuch commencing from 2012 with 55 intake capacity of Under Graduate students. Since then, COA, Bharuch has never looked back and has earned name and fame in very short span of five years. The Campus Bharuch is located at Maktampur, Bharuch a district place in the Southern part of Gujarat State, on the bay of river Narmada. Bharuch is oldest city of Gujarat, which is located at elevation of 20 meter above MSL and 21.42' N latitude and 72.58 ' E longitude. This
campus is 2.5 KM away from historical Golden bridge, 3.5 KM from NH-8 and 1.5 KM from Bharuch Railway Station. Bharuch has 8 talukas. The Bharuch district is surrounded by Vadodara (North), Narmada (East) and Surat (South) districts, to the west are the Gulf of Khambhat. Bharuch has a tropical climate, summer begins in early March and lasts until June. April and May are the hottest months. The average maximum temperature being 40° C. Monsoon begins in late June and receives an average about 800 mm of rain by the end of September. Winter start in December and ends in late February, with average temperature of around 23° C. Bharuch district has 3 lakh hacters cultivable lands. Cotton, Pigeon pea, Sugarcane, Banana and Vegetables are the main crops of this area.

Besides teaching this course also undertakes fundamental, applied and verification of research in Agronomy, Agricultural Entomology, Plant Pathology, PBG, Agricultural Economics, Horticulture, Soil Science and Agricultural Statistics etc. through respective faculties. All these activities basically focus on productivity, sustainability and improving the socioeconomic conditions of South Gujarat farming community.


**Amenities at campus Bharuch**

**College of Agriculture**

The building has office blocks for faculties and administration, a conference hall, two tutorial classes, central examination hall, a seminar hall, central museum & central library hall. The tutorial classes are well - equipped with audio - visual aid and connected with internet facilities, whole college building covered with digital surveillance.
Departmental complex

There are eighteen faculty offices, twelve laboratories for various subjects, and all the practical classrooms are equipped with audio-visual aid facilities. Each core department is well-equipped with laboratory having instruments and modern amenities.

Hostel Facilities

There is one boys’ hostel named as “Bhrugu Boys’ Hostel” (with two wings) having capacity to accommodate 288 students (96 rooms, 3 students per room). Hostel has the dining hall (with still dining tables), TV room, water coolers with R.O. purifier system, solar heater, indoor game room and other recreational facilities.

A girls’ hostel named as “Reva Girls’ Hostel” has the capacity to accommodate 108 students (36 rooms, 3 students per room). The added benefits of recreational facilities include a TV room, indoor games facilities like table tennis and carom and exercise equipments. Other amenities are R.O. water purifier with water cooler, solar water heater, fridge and separate dining hall. One Farmers' Hostel with capacity of sixty Beds Facility. Each of the hostel having Sick Room, Caretaker Room, Guest Room for their parents and separate playground for outdoor game and indoor games are also available.
Sports complex and playground area

The sports complex has facilities for the indoor games like table tennis court. It also comprises a gym for the students with necessary modern exercise equipments. The campus has also developed a playground for outdoor games like volleyball, kho-kho, kabaddi and cricket etc.

College Farm

College having a 50 hectares of land in which departmental research work, student PCP and experiential learning work are being carried out. Farm having a pond, two recharge well, water harvesting structure, meteorological observatory, well established mango, sapota and ber orchard in which students are doing their practical work. Seed production of cotton and pigeon pea crop are being taken every year for farmers. Students by seeing and learning by doing. Seed production both of cotton and pigeon pea crop.

Vermi compost unit

Learning by seeing and learning by doing is a major concern in technical education. To impart practical expertise, vermicompost unit, comprising total four Beds are constructed for an educational demonstration purpose. It has assisted to improve the vocational skills of the students.

Wilt sick plot

An unique, wilt sick plot is prepared and consequently maintained by plant pathologists at NARP farm for the screening of AICRP trial genotypes as well as state and station trial genotypes against Fusarium oxysporum fsp. udum.

Crop cafeteria and Net house -cum-Nursery

The college farm is well equipped with the modern scientific instruments and all the essential facilities required for conducting practical for different subjects offered by the University. All major field crops are grown seasonally in the crop cafeteria for an educational purpose. A small scale net-house cum nursery aims at raising seedlings of brinjal, tomato, chilli and seasonal flowering plants for the plantation and academic purposes. The nursery is raised by the students in experiential and learning programme.
Library

A well-maintained library with collection of over 1900 reference / text books which are also available for students and faculty members.

Computer cluster and internet connectivity

An air-conditioned computer cluster having 65 desktops/PCs. Almost all infrastructures at campus Bharuch are interconnected and are equipped with an intercom and an internet facility through LAN and high-speed Wi-Fi access points.

Academic program and course curriculum

Academic program and course curriculum:

The college of Agriculture offers 4 years (8 Semesters) residential Under Graduate Degree program i.e. B.Sc. (Hons.) in Agriculture

Eligibility

HSC (10+2) science stream students with group B(PCB) and AB (PCMB) having appeared in current years qualified examination are eligible to take admission.

Curriculum of B.Sc. (Hons) Agriculture, Degree Program, as per 4th Dean committee

FIRST YEAR

SEMESTER-I

- Introductory Agriculture and Principles of Agronomy
- Field Crop Production –I (kharif)
- Introduction to Soil science
- Introductory Plant Pathology
- Economic Botany
- Production Technology of Fruit Crops
- Biomathematics
- Introduction to Computer Application
- Comprehension and Communication Skills in English
- NSS/ Physical Education (Non–credit course)
Semester-II
- Field Crops-II (Rabi)
- Soil Chemistry, Soil Fertility and Nutrient Management
- Principles of Agricultural Economics
- Agricultural Microbiology
- Agricultural Statistics
- Principles of Genetics
- Agricultural Meteorology
- NSS/ Physical Education (Non-credit course)

Semester-III
- Practical Crop Production I (kharif crops)
- Weed Management
- Principles of Plant Breeding
- Production Technology of Vegetables and Flowers
- Crop-Physiology-I
- Dimensions of Agricultural Extension
- Insect Morphology and systematic
- Principles of Plant Pathology
- Agricultural Marketing, Trade and Prices
- Farm Power and Machinery
- NSS/ Physical Education (Non-credit course)

Semester-IV
- Practical Crop Production II (Rabi crops)
- Insect Ecology and Integrated Pest Management
- Livestock Production and Management
- Agricultural Finance and Co-operation
- Production Technology of Spices, Aromatics Medicinal and Plantation crops
- Breeding of Field and Horticultural crops.
- Fundamentals of Rural sociology and Edu. Psychology
- Biochemistry
SEMMESTER-IV
- Crop physiology II
- English for Special purpose (Non -credit course)
- NSS/ Physical Education (Non -credit course)

THIRD YEAR

SEMMESTER-V
- Water Management Including Micro Irrigation
- Pests of Field Crops and Stored Grain and their Management
- Post-harvest Management and Value Addition of Fruits and Vegetables
- Dairy Cattle and Buffalo Production and Management
- Diseases of Field Crops and their Management
- Principles of Seed Technology
- Fundamentals of Agri Business Management
- Protected Cultivation and Post-harvest Technology
- Extension Methodologies for Transfer of Agri. Technology.

SEMMESTER-IV
- Introductory Nematology
- Entrepreneurship Development
- Environmental Science
- Renewable Energy
- Organic Farming
- Farming Systems and Sustainable Agriculture
- Manures, Fertilizers and Agrochemicals
- Principles of Plant Biotechnology
- Diseases of Horticultural Crops and their Management
- Production Economics and Farm Management
- Pests of Horticultural Crops and their Management

FOURTH YEAR

SEMMESTER-VII
- Rural Agricultural Work Experience (RAWE) Program
- Attachment to the Agro-based industries, Research Stations, KVKs, High-Tech farms NGOs, Agro-input centers, etc.
- 21 days Educational tour to visit various educational and research institutions across the state and country
SEMESTER VIII

Courses for Experiential learning (20 course credits), following are the main disciplines

- Crop Production and Commercial Agriculture
- Crop Protection
- Horticulture, Post Harvest Technology and Value Addition
- Agri - Business Management and Social Science
- Basic Science

★★★★★

Faculty and Administration

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<th>Designation</th>
<th>Specialization</th>
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<th>Mobile No.</th>
</tr>
</thead>
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Outsourcing Professor’s as per ICAR Guiding
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<thead>
<tr>
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</tbody>
</table>
## Administrative-Cum-Supporting Staff

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</thead>
<tbody>
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</tr>
</tbody>
</table>

## Co-Curricular Activities

"The great aim of education is not knowledge but action"

"Education is the manifestation of the perfection already in man" - Swami Vivekanand

A curriculum enables students to develop their subject knowledge, academic literacy and a range of complementary skills, where as the co-curricular activities, whether be it sports, service learning, social or cultural programs, expands student's knowledge outside of the classroom. This college support a wide variety of these activities through student's Representative Council (SRC), NSS programs and Training and Placement cell. Co-curricular activities to enhance the student's talents, national integration, to develop a sense of discipline and commitment towards the society.

The leading Co-curricular activities include:

- Celebration of Independence, Republic day,
- Teacher's day, Soil health day, Yoga day, Environment day, parents day, etc.
- Participation in various indoor and outdoor sports and cultural events at intercollegiate, inter-University, state and national level.
- Swachh-Bharat Mission related activities.
- Thalassemia test and counseling
- Blood donation camp
- NSS camps
- Celebration of college annual day
PHOTO GALLERY

PHOTO GALLERY
A maiden batch of 48 students graduated from College of Agriculture, Bharuch in academic year 2015-16. Out of them one student cracked the ICAR Junior Research Fellowship (JRF) examination and 32 students got the chance for higher study.

<table>
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<tr>
<th>Year</th>
<th>Total student</th>
<th>&lt;5.00 fail</th>
<th>5.0 to 5.49 AP</th>
<th>5.50 TO 5.99 (Pass)</th>
<th>6.00 to 6.49 (II Class)</th>
<th>6.50 to 7.49 (I Class)</th>
<th>&gt;7.50 (Disti)</th>
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<td>3</td>
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<td>3</td>
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<td>2014-15</td>
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<td>1</td>
<td>4</td>
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<td>2015-16</td>
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<td>10</td>
<td>27</td>
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<td>5</td>
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</table>

**Academic Year 2012-13**
- Over all General Championship – Intercollegiate Cultural Competition

**Academic Year 2013-14**
- Kho-Kho (Women) – Champion
- Volley ball (Women) – Champion

**Academic Year 2014-15**
- Over all General Sports Champion

**University level General Championship**

**Academic Year 2015-16**
- Volley ball (Women) – Champion
- Table tennis (Women) – Runner's up
CAREER AND EMPLOYMENT OPPORTUNITIES

- Higher studies leading to Master and Doctoral degree
- Indian council of Agricultural research and other central Government
- State Agricultural Universities Agro- based industries
- Fertilizer Manufactures
- Agriculture consultancy services
- Nationalized banks and NABARD
- Public and private sector business firms, NGOs etc.
- Eligible for (UPSC/GPAC) IAS, IPS, IFS and other allied services of state and central government
- Agro-based entrepreneurship development

PLACEMENT ACHIEVEMENTS

Due to continuous encouragement and motivation from team Bharuch under the laeding activities of Training and Placement cell, 32 students from a maiden batch of 48 students, got an admission in M.Sc. (agriculture) & M.Sc. (Horeticalculture) programme, 1 student qualified and got job in agriculture related activities of HDFC bank, 15 students absorbed in agro-based industries viz Advanta Seeds.