

Following research projects were sanctioned since inception of AAU.

Sr. No.	Funding Agency	No. of Projects (2004-05 to 2015-16)
1	ICAR-AICRP schemes	17
2	ICAR-Adhoc projects	58
3	GoI-DBT/DST	56
4	GoG	44
5	Overseas Agencies	02
6	Other Agencies	315
7	RKVY	27
8	State Plan Projects	42
9	NHM	21

Total 582

Efforts made by scientists of the university resulted in 590 technologies during last 13 years which includes 57 new crop varieties and 533 recommendations for farmers besides 308 scientific recommendations.

Name of the Discipline	Recommendations (2004 to 2016)	
	Farming Community	Scientists / Entrepreneurs
Crop Improvement	70*	11
Crop Production	195	08
Plant Protection	138	98
Dairy Science, Agril. Engg.		
AIT and Food Processing	101	59
Animal Production	73	64
Animal Health	06	50
Social Science	07	18
Total	590	308

* includes 57 new crop varieties released.

Research contribution of the university since its inception has been spectacular with the release of eight varieties in rice, five in chilli, three each in maize, brinjal, sorghum (forage) and tobacco, two each in pigeon pea, tomato, desi cotton, dill seed and guinea grass, one each in okra, garlic, onion, cucumber, muskmelon, ridge gourd, bottle gourd, pumpkin, cowpea, green gram, pearl millet (forage), lucerne, marvel grass, napier grass, anjan grass, kodo millet, oat, kalmegh, safed musli, ashwagandha, senna and basil. Different varieties of rice viz., Gurjari, GAR-1, GAR-13, AAUDR-1, GR-7, GR-8, GR-9, GR-12, Dandi, GR-104 and of maize viz. GM-2, GM-3, GM-4 and GM-6 are registered in PPV and FR organization. Moreover, Bhalia wheat is registered as Geographical Indication by GI Registration. Total 6 patents have been filed for patenting. AAU developed micropropagation protocols for commercial scale production of tissue culture plants in Date palm, Pointed gourd (Parwar), Spine gourd (Kankoda), Stevia, Bamboo, Potato, Banana, Safed Musli and Opuntia.

Apart from the production of nuclear and breeder seeds, the university has also managed to produce foundation/certified/truthful seeds of the most adopted varieties in large quantity for their distribution among the farmers with the brand name 'Anubhav Seed'. The university also sells seedlings of vegetables crops, tobacco and medicinal and aromatic plants.

Under the Mega Seed Project, the university has produced different category of seeds for farmers. Quantity of Seeds produced (t) (2004-05 to 2015-16) are as per the following graph. Similarly, seedlings of vegetables, horticultural crops and tobacco have been supplied to farmers to the tune of about 60 lakhs every year.



Under HRD component of the university, the scientists participated (4248 Nos.) in different programs like seminars, conferences, workshops, group meetings etc. The university has also arranged 329 such programmes during 2004-2016. The university has signed 43 MoUs with national and international organizations for education and research activities. Various delegations from different countries like USA, UK, Netherland, Lesotho, Papua New Guinea, Canada, Australia and Mozambique visited Anand Agricultural University. A major contribution for publication of the university is from the scientists in the form of research articles in International and National Journals. Total 2690 research papers were published in various journals.

EXTENSION EDUCATION

At present, nine Certificate Courses, two Training Centers for Extension Workers, ten Training Centers for Farmers/Farm Women/ Rural Youth, three Krushi Vigyan Kendra (KVK), seven Advisory Services and five other extension schemes are functioning in Anand Agricultural University to encourage farmers by providing them the latest knowledge of agriculture, so that they could increase the production of various crops and make their farming more profitable.

For transfer of agricultural research and its allied technologies developed by the university, Kisan Mela, Kisan Goshthi, Exhibitions, Film Shows, Method Demonstrations, Farmers' Seminars, Workshops, Group meetings, lectures delivered as resource persons, Newspaper coverage, TV & Radio talks, Popular articles, Extension Literature, Advisory services, Scientific visits to farmers' field, Farmers' visits to KVKs, Crop diagnostic visits, Animal diagnostic visits, Exposure visits and Video films on packages of practices for various crops are also arranged under extension education programmes. More than 10170 Front Line Demonstrations were conducted on various crops, livestock, farm implements and machinery etc. to disseminate the new technologies among the farming community during the last 12 years.

The Comprehensive District Agricultural Plans (C-DAPs) for six districts (Ahmedabad, Anand, Dahod, Kheda, Panchmahals and Vadodara) of Gujarat state have been prepared by taking into account the present status of various practices and further development in agriculture and allied sectors in the districts. The publication unit publishes the monthly farm magazine 'Krushigvidya' and one quarterly 'AAU Newsletter'. Total 60 special issues and 42 books have been published for the welfare of farming community.

Krushi Mahotsav programme is organized every year to bring awareness to the farming community about recommended scientific technology, new varieties and agricultural technologies for the rapid transfer of knowledge from lab to land.

University has undertaken the programmes on mass production of Bio-NPK Consortium biofertilizers and Tricoderma viride bio agent for the benefit of farmers.



ANAND AGRICULTURAL UNIVERSITY

AT A GLANCE



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ABOUT THE UNIVERSITY

Anand Agricultural University (AAU) was carved from the then Gujarat Agricultural University (GAU) with its head quarter at Anand by the Government of Gujarat with effect from May 2004. At present, the university has 9 degree colleges and one PG institute, five polytechnic colleges, 25 on campus and 23 off campus Research Stations spread over nine districts viz., Ahmedabad, Anand, Botad, Chhotaudepur, Dahod, Kheda, Mahisagar, Panchmahal and Vadodara comprising nearly 17.88% (3.51m ha) area of Gujarat State (19.60 m ha). Currently, the university is the premier institute for Agricultural Research, Education and Extension Education.

The university has been given mandate for making the provision for imparting education in agriculture and other allied branches of agriculture. The university is committed for improvement in the productivity and profitability of Agriculture and allied sectors with the following objectives and goals.

- To provide quality education in the areas of Agriculture, Horticulture, Veterinary, Dairy, Food Processing Technology, Agricultural Information Technology, Agricultural Engineering, Agri Business Management and allied fields.
- To conduct research for the development of new technologies for the sustainability of agriculture, increasing production, income and seek appropriate solutions to emerging problems in agriculture & allied sectors.
- To develop an effective mechanism for the transfer of technology to the farmers, new entrepreneurs and agricultural organizations through extension programs.

INFRASTRUCTURE

Anand Agricultural University is located near Anand city at about 4 km from railway station and 3 km from S.T. bus station. The university main campus is spread over an area of 284.23 ha. and has approximately 625.83 ha. of land at different regional stations, research substations and KVKs located under four different Agro-Climatic Zones (Zone III, IV, V & VIII) of the state.

The university has elaborate physical facilities in terms of buildings, laboratories, well equipped modern class rooms, computer laboratories, conference halls, auditorium as well as seminar halls at all the colleges. The University has modern instructional and research farms, modern instruments and farm machineries, green houses, poly houses, net houses, fishery ponds, well equipped modern laboratories, guest houses for accommodation and health centre etc. Internet, library, playgrounds, gymnasium and facilities for cultural and other activities provide congenial environment to the students for the overall development of their personality.

The university has playgrounds for athletics, basketball, kabaddi, volleyball and cricket. There is an indoor stadium having facilities of badminton court, table tennis and weight lifting.



Looking to the striking advances made by the Information Technology Center at Anand campus in the erstwhile Gujarat Agricultural University for the development of Agricultural Education as per SAU model under ARIS and ISD, ICAR has considered Dr M.D. Patel Library to be an integral part of its 18-Regional Library Consortium project and selected Dr M.D. Patel Library as the Regional Library in the western zone.

It is a rich Library with double storied stack rooms with extensive capacity to store library acquisition. The Library possesses around 75746 books, which are extremely valuable for comprehensive use in studies, research and preparation for competitive examinations. It is facilitated with 26 Foreign and 83 Indian journals, and around 13602 back volumes.

Cyberary with 100 mbps connectivity facilitates users to access online databases. Presently, the Library possesses 820 e-Books consisting of Pearson Think Tank and CRC NET Base and Encyclopedia. Facility by the ICAR for foreign journals through online access of journals with the help of Consortium for e-Resources in Agriculture (CERA) is available. Altogether, five online resources (CAB International, Commodities, J-Gate, India Stat.com and India Business Insight Database) with latest data besides Krishikosh Institutional Repository and Krishiprabha e-theses database are available as user facilities. Full time internet connectivity, scanning and CD write facilities are available to the users. For this purpose, 37 work stations are provided in the Cyberary with internet access through BSNL. These facilities are being extensively utilized by both faculties and students on an average of daily 150 to 200 users for about 14 hours per day.

The Library renders its services to the users from 08.00 to 22.00 hrs on regular days, and 08.00 to 12.00 and 14.00 to 18.00 hrs on second and fourth Saturdays of the month. Circulation, reprography, Document Delivery Request, Inter Library Loan, News Paper Clippings, reference, internet surfing, online catalogue, Food For Thought, technical support, new arrivals and e-resources are some of the important services rendered by Dr M.D. Patel Regional e- Library to the users.

ACADEMIC PROGRAMMES

Anand Agricultural University offers seven Bachelors' degree programmes in Agriculture, Horticulture, Veterinary Science & Animal Husbandry, Agricultural Engineering, Agricultural Information Technology, Dairy Technology and Food Processing Technology, Masters' degree programmes in 45 disciplines and Doctoral degree programmes in 41 disciplines. Moreover, three years polytechnic diploma courses in Agriculture, Horticulture, Nutrition & Dietetics and Agricultural Engineering as well as one year Diploma in Agricultural Extension Services for Input Dealers and one year two vocational certificate courses in Agril. Engineering are also offered.



College/Polytechnic	Degree/Diploma Course	Estd. Year
B.A. College of Agriculture, Anand	B.Sc.(Hons.) Agri., M.Sc.(Agri.)/M.Sc.(Horti.)/Ph.D.	1947
Sheth M.C. College of Dairy Science, Anand	B.Tech.(DT) M.Tech./Ph.D.	1961
College of Veterinary Science & Animal Husbandry, Anand	B.V.Sc. & A.H., M.V.Sc./Ph.D.	1964
College of Agricultural Engineering & Technology, Godhra	B.Tech.(Agri.Engg.) M.Tech.(Agri. Engg.), Ph. D.	2008
International Agri Business Management Institute, Anand	M.B.A.(IAB)	2008
College of Food Processing Technology & Bio Energy, Anand	B.Tech.(FPT) M.Tech.(FPT), Ph.D.	2009
College of Agricultural Information Technology, Anand	B.Tech.(AIT) M.Tech.(AIT)	2009
Institute of Distance Education, Anand	M.Sc. (Agri.Journalism) M.Sc. (Agri. Marketing)	2011
College of Horticulture, Anand	B.Sc.(Hons.) Horti.	2012
College of Agriculture, Vaso	B.Sc.(Hons.) Agri.	2012
College of Agriculture, Jabugam	B.Sc.(Hons.) Agri.	2013
Polytechnic in Agricultural Engineering, Dahod	Diploma in Agricultural Engineering	2008
Polytechnic in Food Science and Home Economics, Anand	Diploma in Nutrition & Dietetics	2009
Polytechnic in Horticulture, Vado dara	Diploma in Horticulture	2009
Polytechnic in Agriculture, Anand	Diploma in Agriculture	2009
Polytechnic in Agriculture, Vaso	Diploma in Agriculture	2010

The University also attracts foreign students for B.V.Sc. & A.H., M.Sc., M. Tech. and Ph.D. courses and students from Canada, Afghanistan, Nigeria, Guyana, Nepal, Ethiopia and Bhutan have benefitted through education.

RESEARCH

Research activities of AAU focus on productivity, sustainability and improvement of socio-economic condition of the farming community. The university has 25 on campus and 23 off campus research stations including multidisciplinary main research stations, sub centres on various crops and testing centres to evolve location specific production technologies. These centres also work for the development of profitable and sustainable production technology packages for newly developed varieties/hybrids with their fine tuning every year. Various research schemes funded by different agencies are operational to carry out research on various aspects of agriculture and allied sciences at research stations, sub-centres and at various colleges.

