Following research projects were sanctioned since inception of AAU

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Funding Agency</th>
<th>No. of Projects (2004-05 to 2015-16)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ICAR-ASCRI-schemes</td>
<td>783 Projects</td>
</tr>
<tr>
<td>2</td>
<td>ICAR-Adho projects</td>
<td>56</td>
</tr>
<tr>
<td>3</td>
<td>GEBIB</td>
<td>56</td>
</tr>
<tr>
<td>4</td>
<td>QDB</td>
<td>64</td>
</tr>
<tr>
<td>5</td>
<td>Overseas Agencies</td>
<td>02</td>
</tr>
<tr>
<td>6</td>
<td>Other Agencies</td>
<td>315</td>
</tr>
<tr>
<td>7</td>
<td>ROYV</td>
<td>27</td>
</tr>
<tr>
<td>8</td>
<td>Saka Pan Projects</td>
<td>42</td>
</tr>
<tr>
<td>9</td>
<td>NHM</td>
<td>21</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>590</strong></td>
<td></td>
</tr>
</tbody>
</table>

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 journal articles.

### Name of the Discipline
- **Crop Improvement**: 783 Projects
- **Crop Production**: 195 Projects
- **Pest and Disease**: 139 Projects
- **Dairy Science, Agri. Engg.**: 101 Projects
- **AAT and Food Processing**: 59 Projects
- **Animal Production**: 37 Projects
- **Human Health**: 60 Projects
- **Social Science**: 67 Projects

**Total**: 590 Projects

*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 guineas grass, one each in okra, garlic, onion, cucumber, muskmelon, ridge gourd, bottle gourd, pumpkin, cowpea, green gram, pearl millet (forage), launce, 'nare' grass, nagar grass, arjana grass, koda millet, oat, kaolin, safed musli, amarnath grass, sesame and basil. Different varieties of rice, guar, gurj, HAR-1, ADUR-1, GR-7, GR-8, GR-9, GR-12, Davda, GR-104 and of maize viz. GM-2, GM-3, GM-4 and GM-6 are registered in IPVP and FR organization. Moreover, Bhalsi wheat is registered as Geographical Indication by GI Registration. Total 67 patents have been filed for patenting. AAU has developed micromanipulation protocols for commercial scale production of tissue culture plants in Date palm, pigeon guourd (Pawr), Kaniklo (Kaniska), Stavia, Bamboo, Potato, Banana, Safed Musli and Tobacco. Apart from the production of nuclear and breeder seeds, the university has also managed to produce high quality hybrid seeds of the most adopted varieties in large quantity for their distribution among the farmers with the brand name ‘Anand Seeded’. The university is supplying seeds 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 (2004-05 to 2015-16) are as per the following graph. Similarly, seedings of vegetables, horticultural crops and tobacco have been supplied to farmers to the tune of about 60 lakhs every year.

Under HSR 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, Netherlands, Australia, New Zealand, 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, ian Training Centers for Farmers/Farm Women/ Rural Youth, three Krishi 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 allied technologies developed by the university, Kisan Mela, Kisan Goshali, Exhibitions, Fairs Shows, Method Demonstrations, Farmers’ Seminars, Workshops, Group meetings, lectures delivered in newspapers, television and radio, computer, TV & Radio talks, Popular articles. Extension Literature, Advisory services. Scientific visits to farmers, advocacy visits to farmers, Crop diagnostic visits. Article diagnostic visits. Exposure visits and Video films on packages of practices for various crops are also arranged under extension education programmes. More than 10170 Fertilizer 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 Compendiums District Agriculture (ADA) for six districts (Ahmedabad, Anand, Dhad, Kheda, Pandharnals and Vadaodra) of Gujarat state have been prepared by linking into account the present status of various practices and further development in agriculture and allied sectors in the districts. The publication unit also publishes the widely known farm magazine ‘Krushi Vigyan’ and one quarterly ‘AAU Newsletter’. Total 60 special issues and 42 books have been published for the welfare of farming community. Krishi Mahabharat program organized every year to bring awareness to the farming community about recommended scientific technology, new varieties and agriculture technologies for the rapid transfer of knowledge from lab to land.

University has undertaken the programmes on mass production of Bio- NPK, Consultant biologists and ‘Triconome’ virus safe biogen for the benefit of farmers.

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**Anand Agricultural University**

**At a Glance**
ABOUT THE UNIVERSITY

Anand Agricultural University (AAU) was envisaged by 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 (0.51 ha) area of Gujarat State (19.60 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 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, Agribusiness Management and allied fields.
- To conduct research for the development of new technologies for the sustainable agriculture and increasing productivity, 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 campus is spread over an area of 284.23 ha. and has approximately 67.98 ha. of cutting-edge infrastructure for the research stations and KVKs located under four different Agri-Climatic Zones (Zone II, III, IV & VIII) of the state.

The university has elaborated 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 modernized its libraries, research fames, modern instruments and farm machineries, green houses, poly houses, net houses, green house headed by well qualified and committed to the students for the overall development of their personality.

The university has playgrounds for athletics, badminton, volley ball and cricket. The campus football 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 ISU, ICAR has considered Dr. M. P. D. Patel Library to be an integral part of its 18-Regional Library Consortium project and selected Dr. M. P. 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 over 75,746 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 13622 back volumes.

Cybercyn with 100 mbps connectivity facilities users to access online databases. Presently, the Library possesses 200 e-Books comprising of Pearson Think and Cengage Base and Encyclopedia. Facility by the ICAR for foreign journals through online access of journals with the help of Consortium of Libraries in Agriculture (CELA) is available. All through, five online resources (CAI International, Commodity, J-Gate, India Stat.com and India Business Insight Database) with latest data besides known institutional Repositories and Krishipaksha e-Periodicals are database are available as user facilities.

Full time internet connectivity, scanning and CD write facilities are available with the users. For this purpose, 37 user workstations are provided in the Cybercyn with Internet access through BSNL. These facilities are being extensively utilized by both faculties and students on an average of daily 159 to 200 users for about 14 hours per day.

The Library renders its services to the users from 08.00 to 22.00 hours on regular days, and 08.00 to 12.00 and 14.00 to 18.00 hours 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 of arrivals and e-resources are some of the important services rendered by Dr. M. P. 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, Home Science, Nutrition & Diately and Agricultural Engineering as well as one year Diploma in Agricultural Extension Services for Input Dealers and one year two vocational certificate courses in Agri. Engineering are also offered.

RESEARCH

Research activities of AAU focus on productivity, sustainability and improvement in the socio-economic conditions of farming community. The University has 25 on campus and 23 off campus research stations including nine PACS, 24 dairy farms, five research stations, 15 vegetable farms, and 70 vegetable nurseries, sub centres on various crops and lasting centres to evolve location specific production technologies. These centres also work for the development of profitable and market oriented production technologies which are mainly for newly developed varieties/hybrids with their turns 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 at and various colleges.