

INTRODUCTION



Chapter - I



The Junagadh Agricultural University was established on 1st May, 2004 under Gujarat Agricultural Universities Act-2004. On completion of its thirteenth year, Annual Report is published with detailed information about its various activities and achievements.

1.1 Background

The Junagadh Agricultural University came into existence as a part of process of development of Agricultural Universities in Gujarat w.e.f. May, 2004. The jurisdiction of the University includes ten districts of Saurashtra region, *i.e.*, Junagadh, Gir-Somnath, Rajkot, Morbi, Jamnagar, Devbhumi Dwarka, Surendranagar, Bhavnagar, Amreli and Porbandar. The head quarter of the University is located at Junagadh.

1.2 Aim

The aim of Junagadh Agricultural University is to promote agricultural productivity in general and to improve the economic condition of rural community in particular through integration of teaching, research and extension education.

1.3 University Management and Administration

As per the GAUs Act-2004, the Chancellor, Vice Chancellor, Director of Research & Dean PG Studies, Dean Faculty of Agriculture and Horticulture, Dean Faculty of Agricultural Engineering & Technology and Home Science, Dean Faculty of Fisheries Science, Dean Faculty of Agri-Business Management, Dean Faculty of Veterinary Science & Animal Husbandry, Director of Extension Education, Registrar, Comptroller, Librarian and Director of Students' Welfare are officers of the University.

Hon'ble Governorshri of Gujarat acts as the Chancellor of the University. Shri Om Prakash Kohli, Hon'ble Governorshri of Gujarat was the Chancellor where as Dr. A.R. Pathak was the Vice Chancellor. Dr. N.K. Dhamsaniya and Dr. A. M. Parakhia were the Registrar during the period under report.

The details of various activities of the University are as follows:

1.4 Education

The educational programme in Junagadh Agricultural University is based on two-tier system. The first one covers higher education in Agriculture, Horticulture, Agricultural Engineering & Technology, Fisheries Science and Veterinary Science & Animal Husbandry, in which polytechnic diploma, UG and PG residential instruction programmes are covered. While the second consists of lower education, *i.e.*, diploma and certificate programmes like Agro-based I.T.I., Agriculture Diploma, Bakery Training, *Mali* Training and Extension Education Training.

During the period under report, 191 students at polytechnic diploma level, 413 students at UG level, 31 students Diploma to Degree level and 305 students at PG level were admitted in various polytechnics/colleges situated at on/off campus of the University, *i.e.*, Polytechnic in Agriculture, Horticulture, Agro-Processing, Home Science, Agricultural Engineering, Animal Husbandry, College of Agriculture, College of Horticulture, College of Agricultural Engineering & Technology, College of Veterinary Science & Animal Husbandry and PG Institute of Agri-Business Management at Junagadh, College of Fisheries Science at Veraval and College of Agriculture at Amreli and College of Agriculture, Khapat (Porbandar). 135 students at diploma level, 381 students at UG level, 189 at Master level and 34 at Doctoral level have successfully completed their respective courses during the period under report.

The Twelfth Annual Convocation of the university was held at Junagadh on January 12, 2017. Dr. N. S. Rathore, Deputy Director General (Education), ICAR, Govt. of India, New Delhi, was the chief guest. As many as 519 students were awarded Under Graduate and Post Graduate degrees by Hon'ble Governorshri of Gujarat and Chancellor of this university, Shree O.P. Kohli. For the academic year 2016-17, 7 Gold Medals, 46 Gold Plated Silver Medals and two Cash Prizes were awarded to students for their outstanding performance at examination,



achieving high percentage of marks and stood first on merit in various examinations.

The university has implemented online exam Management System through JEMS (Junagadh Exam Management System). The software has been purchased to strengthen the examination and evaluation system as well as timely and precisely declaration of results, issuing of notifications, mark sheets and other examination relevant certificates. The NISAGENET cell made functional at the Office of Registrar. The main function of cell is to collect, compile and upload university data in NISAGENET portal run by ICAR.

1.5 Research

The monitoring and supervision of various research projects, planning and implementation of research activities at different research stations as well as the PG research programmes and their evaluation were carried out under the guidance of Director of Research & Dean, PG Studies.

Junagadh Agricultural University has 30 research stations including multidisciplinary main research stations, sub centres on various crops and testing centres spread over in North Saurashtra Agro-climatic Zone and South Saurashtra Agro-climatic Zone. The research at these stations are carried out in the field of Agriculture, Agricultural Engineering, Animal Sciences and Fisheries for catering the needs of farmers, artisans, livestock owners, fishermen and rural masses for their upliftment. The research activities have been carried out in Plant Breeding, Soil Science, Cropping System, Water Management, Weed Management, Nutrient Management, Organic Farming, Horticulture, Plant Protection, Agricultural Meteorology, Plant Physiology, Biochemistry, Biotechnology, Seed science and Technology, Social Sciences, Agricultural Engineering, Animal Science, Fisheries Science, etc.

The efforts made by scientists of the University emerged with 39 farmers' recommendations and 25 scientific recommendations as well as 120 new technical programmes were finalised during the

reporting year. It also resulted in emerging three new crop varieties for farmers. Besides this, seed production programmes were also taken up for different varieties of different crops. About 3099.38 qt nucleus/breeder seed, 3984.11 qt truthful seed, 461.20 qt Foundation seed, 2641.60 qt Certified seed as well as 1,48,759 number of planting materials were produced. During the year under report, total 33 new research projects were sanctioned by ICAR, Government of India, Government of Gujarat and other agencies.

1.6 Extension Education

Through the extension education activities, total 324 students have completed different certificate/diploma courses viz., Agricultural Diploma, Bakery Training, *Mali* Training and Agro-based ITI, etc. The T & V system programmes were also held and about 726 extension workers have taken training in different 17 training programmes. Fourteen other training programmes were also organised, in which 6153 farmers/beneficiaries participated. Through the Transfer of Technology (TOT) Centres, 164 on-campus and 205 off-campus training programmes were organized, wherein 12675 participants received training. Besides this, the TOT centres also regularly organised extension education activities like symposia, workshops, farmers' days, agricultural exhibitions, fairs, visual programmes, field visits, cattle camps, meetings etc. which benefitted 3,25,256 farmers. KVKs conducted 959 FLDs on various crops in 356 ha. KVKs also guided farmers to solve their field level problems through personal visits by SMSs. The feedback on farmers' problems were collected and sent to concerned scientists for formulation of research programme.

Through sixteen programmes arranged by Farm Advisory Scheme, total 77,725 participants were benefited. Under Centre of Communication (COC) scheme, 18 *Gram Kishan Samities* (GKSs) were formulated and seven *Khedut Shibirs* were organised in which 353 farmers participated. Extension Education Centres benefitted 85,610 farmers by organising 157 extension programmes.



The efforts were made to create awareness among farmers/rural people about technological advancement through different media viz., TV, radio and publication of agricultural literature. During the report period, 24 TV programmes and 25 radio talks were given by scientists of the University. Besides these, 21 folders and five booklets were also published. University News Bulletin “*JAU News letter*” is being published regularly by the Directorate of Extension Education.

AGRISNET studio is established for production of various multi media gadgets / video CDs on modern agricultural technologies for farmers. During Krushi Mahotsav-2016, video CD on Various agricultural technologies in Gujarati were prepared and distributed.

Community radio station (*Junagadh Janvani*) has facilitated with equipments for recording, editing and broadcasting facilities. During *Krushi Mahotsav-2016*, the University extended guidance to 66,916 farmers.

1.7 Students' Welfare

The University is always looking forward for the welfare of the students through different activities like sports, cultural, spiritual programmes, NSS, health, adventure, educational tour with a view to develop personality, character and high human values in Polytechnic, UG and PG students of the University.

The campus interviews were arranged for placement of students at different colleges. A total of 230 students by campus interview were selected for various jobs. Five Inter-collegiate sports and four cultural activities were organised by the University. Students also participated in Gujarat State Inter Agricultural University Cultural-Literary Competition, Inter University National Debate Competition, All India Agricultural Universities Youth Festival and Basic Rock Climbing Course. Under NSS, 140 programmes were organised. Educational tours were arranged for the students of Colleges of Agriculture, Agricultural Engineering & Technology and Fisheries Science. Various scholarships were availed for the students.

1.8 University Library & Information Technology

The University Library possesses around 52000 books, about 53 Indian as well as 18 foreign journals and 16000 back volumes. CD-ROM database like CAB, AGRICOLA, AGRIS and eBooks are available for users. Online Access of Journals through Consortium for e-Resources in Agriculture (CeRA) is available. Full time internet, scanning and CD writing facilities are available for the students in which there are 40 work stations with internet access. The book bank facility also exists for students; 61 more books were purchased of agricultural faculty for the book bank. Library subscribes 9 news papers to acquaint users with daily news.

Junagadh Agricultural University has 100 Mbps leased line connectivity from BSNL and high speed bandwidth of 100 mbps from Railtel under National Knowledge Network (NKN) project. University is also connected to Gujarat State Wide Area Network (GSWAN) through radio connectivity for accessing online Government's programmes. In addition to NKN high speed backbone support, University IT centre is also connected with 100 Mbps leased line connectivity through BSNL which has been upgraded from 26 Mbps to 100 Mbps in year 2016-17. University has also provided internet connectivity to 10 sub centres with 75 Mbps internet connectivity (each sub center with 5 Mbps and Main JAU campus with 25 Mbps internet connectivity) through ISHAN Pvt. Ltd. during year 2016-17.

Internet, e-mail and research references are being provided and maintained through Local Area Network (LAN). These services have greatly boosted the educational, research and extension activities of the University. In addition to above services, the University circulars / letters are circulated to all concerned through e-mail service and also kept on intranet. The university has made Google Apps for Education available for faculty, staff and students which includes Google Docs, Google Drive, Gmail, Google Calendar, Google Sites and many more.



Junagadh Agricultural University has its website having the URL of www.jau.in. This web site includes various aspects and activities of Junagadh Agricultural University like Administration, Education, Research, Extension Education, students welfare, Library facility, important announcements/ events, tenders, advertisements, RTI, telephone directory, etc. Further, Web Mail Service has been incorporated in the website enabling the user to read and reply e-mail from any computer of LAN. Various information in Gujarati language is also kept on the University website with the aim of providing information to the farmers on various activities of the University.

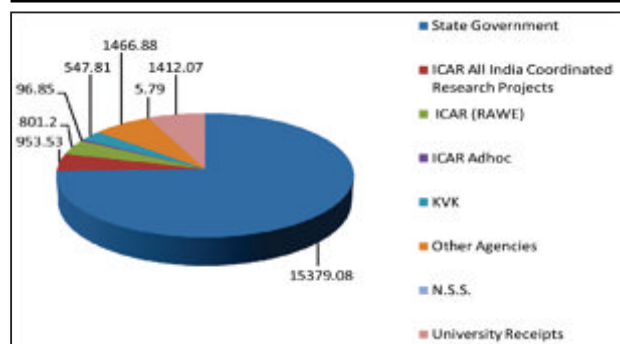
1.9 Finance and Accounts

Major sources of finance were Government of Gujarat, Government of India, ICAR and other agencies, which sanctioned grant through different schemes. During the period under report, State Government sanctioned ₹ 8116.14 lakh under plan and ₹ 7262.94 lakh under non-plan.

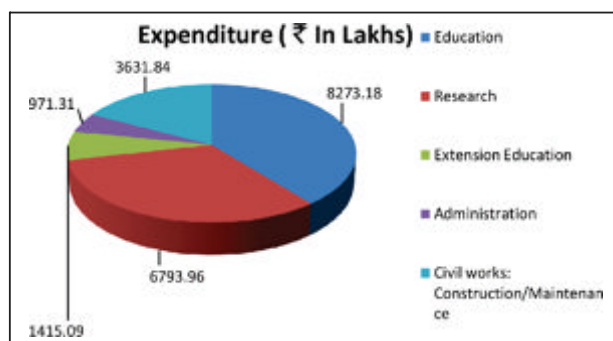
The finance sources, fund and budget (₹ in Lakh)

Income:

■ Opening Balance as on 01.04.2016	3804.80
■ Grant Received during 2016-17	
• State Government	15379.08
• ICAR All India Coordinated Research Projects	953.53
• ICAR (RAWE)	801.20
• ICAR Adhoc	96.85
• KVK	547.81
• Other Agencies	1466.88
• N.S.S.	5.79
■ University Receipts	1412.07
Total	20663.21



Expenditure:	(₹ in Lakh)
• Education	8273.18
• Research	6793.96
• Extension Education	1415.09
• Administration	971.31
• Civil works:	
• Construction/Maintenance	3631.84
Total	21085.40



The University is entrusted with the work of Audit, Local Fund Audit and AG Audit. During the period under report, Local Fund, Junagadh has completed the audit work for the year 2013-14 and Accountant General for the financial year 2013-14. Overall 80 and 216 audit paras were settled by AG audit and Local fund audit, respectively during period of report.

The internal audit was done by the help of internal staff available at the University. Moreover, different projects funded by various agencies viz., ICAR, Central Government and ICAR sponsored other agencies were also audited by Chartered Accountant and Audit Utilization Certificates were sent to the funding agencies for timely allocation of fund. Physical store verification was carried out by internal arrangement. During the period of the report, verification reports for various centres were submitted to the University.

The pension cases on account of superannuation and voluntary retirement of the officers/employees from the University have been settled granting the pension/commuted pension and gratuity. Total 105 cases were settled during the year and the payment



was made to the staff / officers for their retirement benefits. Part-final and other special advances worth ₹427.61 lakh were sanctioned and final payments of ₹1450.26 lakh were made to retired officers/employees during the year under the report.

1.10 Estate Management

The civil works like construction and related works, repairs and maintenance of buildings and roads, water supply, maintenance of drainage system,

street light, electrification, repairing of electrical faults, *etc.* were looked after by the Executive Engineer. During the year under report, Construction Committee and Board of Management accorded approval for various works meant for creating new facilities at main campus as well as at centres of the University. Total 11 civil works were completed with an outlay of ₹. 989.63 Lakhs, where as 10 civil works was on hand.

