



INTRODUCTION

Chapter - I





The Junagadh Agricultural University was established on 1st May, 2004 under Gujarat Agricultural Universities Act-2004. On completion of its twelfth 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. R.L. Shiyani and Dr. N. K. Dhamsaniya 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, 205 students at polytechnic diploma level, 382 students at UG level, 34 students Diploma to Degree level and 224 students at PG level were admitted in various polytechnics/colleges 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. 140 students at diploma level, 342 students at UG level, 184 at Master level and 40 at Doctoral level have successfully completed their respective courses during the period under report.

The Eleventh Annual Convocation was held at Junagadh on January 16, 2016. Padma Bhushan Dr. R.S. Paroda, Former Secretary, DARE & Director General, ICAR, New Delhi, was the chief guest. As many as 406 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 2013-14, 35 Medals and two Cash Prizes whereas, for the academic year 2014-15 total 46 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, markheets 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 24 farmers' recommendations

and 36 scientific recommendations as well as 127 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 2562 qt nucleus/breeder seed, 4665 qt truthful seed as well as 1,37,986 number of planting materials were produced. During the year under report, total 32 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 329 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 816 extension workers were given training. Six other training programmes were also organised, in which 6567 farmers participated. Through the Transfer of Technology (TOT) Centres, 326 on-campus and 480 off-campus training programmes were organized, wherein 13537 participants received training. Besides this, the TOT centres organised extension education activities like symposia, workshops, farmers' days, agricultural exhibitions, fairs, visual programmes, field visits, cattle camps, meetings etc. which benefitted 2,28,479 farmers. KVKs conducted 579 FLDs on various crops in 237 ha. KVKs also guided farmers to solve their field level problems through personal visits by SMSs. The feedback on farmers' problems was collected and sent to concerned scientists for formulation of research programme.

Through ten programmes arranged by Farm Advisory Scheme, total 5,71,162 participants were benefited. Under Centre of Communication (COC) scheme, 21 *Gram Kishan Samittees* (GKSs) were formulated and nine *Khedut Shibirs* were organised in which 525 farmers participated. Extension Education Centres benefited 8,58,628 farmers by organising 76 extension programmes.



The efforts were made to aware farmers/rural people about technological advancement through different media viz., TV, radio and publication of agricultural literature. During the report period, 22 TV programmes and 17 radio talks were given by scientists of the University. Besides these, 22 folders and three 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.

Community radio station (Junagadh Janvani) has facilitated with equipments for recording, editing and broadcasting facilities. During *Krushhi Mahotsav-2014*, the University gave guidance to 2,14,645 farmers who participated actively.

1.7 Student's Welfare

The University is always looking forward to 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 53 students by campus interview were selected for various jobs. Six Inter-collegiate sports and cultural activities were organised by the University. Students also participated in Gujarat State Inter Agricultural University Cultural-Literacy Competition, Inter University National Debate Competition, All India Agricultural Universities Youth Festival and Basic Rock Climbing Course. Under NSS, 111 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 50750 books, about 48 Indian as well as 19 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 the Cyberary having 100 Mbps LAN connectivity. The book bank facility also exists for students. The library is marching towards automation through Libsys software for the circulation of library materials to users.

Junagadh Agricultural University has ten Mbps BSNL leased line connectivity from BSNL and high speed bandwidth of 100 mbps, provided by Department of Information Technology, Ministry of Communication and Information Technology, Government of India, New Delhi under National Knowledge Network (NKN) project. University is also connected to Gujarat State Wide Area Network (GSWAN) through radio connectivity. Internet, e-mail and research references have been 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, Library facility, important announcements / events, tenders, advertisements, RTI, telephone directory, etc. Further, a 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.

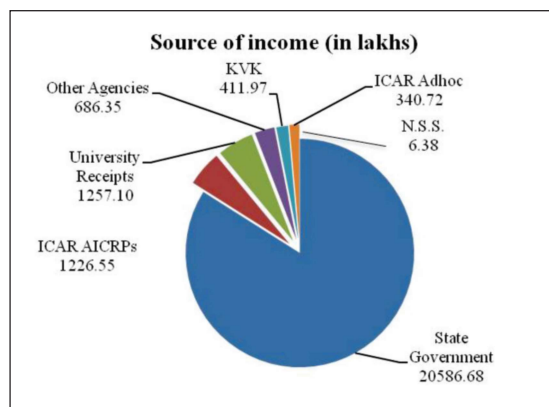
1.9 Finance and Accounts

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 ₹ 11283.82 lakh under plan and ₹ 9302.86 lakh under non-plan.

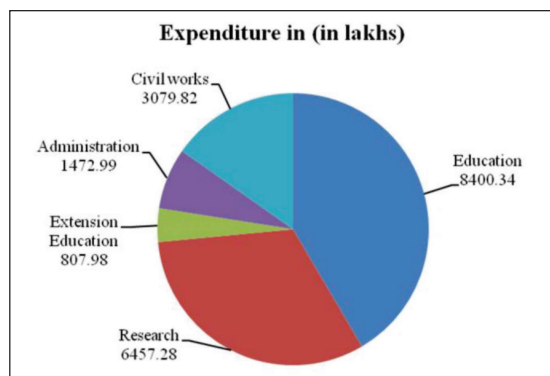
The finance sources, fund and budget (₹ in Lakh)

Income:

■ Opening Balance as on 01.04.2015	4010.73
■ Grant Received during 2015-16	
• State Government	20586.68
• ICAR All India Coordinated Research Projects	1226.55
• ICAR Adhoc	340.72
• KVK	411.97
• Other Agencies	686.35
• N.S.S.	6.38
■ University Receipts	1257.10
Total	24515.75



Expenditure:	(₹ in Lakh)
• Education	8400.34
• Research	6457.28
• Extension Education	807.98
• Administration	1472.99
• Civil works: Construction/Maintenance	3079.82
Total	20218.41



The University is entrusted with the work of Internal Audit, Local Fund Audit and AG Audit. During the period under report, Local Fund, Junagadh has completed the audit work for the year 2012-13 and Accountant General for the financial year 2013-14. Overall 77 and 194 audit paras were settled by AG audit and Local fund audit, respectively during report period.

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, retirement and voluntary retirement of the officers/employees from the University have been



settled granting the pension/commuted pension and gratuity. Total 76 cases were sanctioned during the year and the payment was made to the staff/officers for their retirement benefits. Part-final and other special advances worth ₹1159.22 lakh were sanctioned and final payments of ₹ 2921.19 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 21 civil works were completed with an outlay of ₹. 959.75 Lakhs, where as 29 civil works was on hand.

1.11 Accreditation

The accreditation Board of ICAR, New Delhi granted accreditation to the Junagadh Agricultural University and its five constitute colleges *viz*, College of Agriculture, Junagadh; College of Agricultural Engineering & Technology, Junagadh; College of Veterinary Science & Animal Husbandry, Junagadh; College of Fisheries, Veraval and Post Graduate Institute of Agri-Business Management, Junagadh. The under graduate programmes as well as the post graduate programmes of different disciplines of these colleges were accredited for five years from 28.03.2016.

