

INTRODUCTION

The Junagadh Agricultural University was established on 1st May, 2004 under Gujarat Agricultural Universities Act-2004. On completion of its tenth 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 Organization

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

Hon'ble Governor shri of Gujarat acts as the Chancellor of the University,

Dr. Shrimati Kamla, Hon'ble Governor shri of Gujarat was the Chancellor where as Dr. N.C. Patel and Dr. K.B. Jadeja were the Vice Chancellor and Registrar respectively 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.*, I.T.I., 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, 182 students at polytechnic diploma level, 363 students at UG level and 170 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. During the period, 112 students at diploma level, 183 students at UG level, 162 at Master level and 8 at Doctoral level have successfully completed their respective courses.

During the year under report, the Ninth Annual Convocation was held at Junagadh on January 15, 2014. Shri. A.S. Kiran Kumar, Director, Space Application Center, Ahmedabad was the Chief Guest. As many 284 students were awarded Under Graduate and Post Graduate degrees by Hon'ble Governor Shri of Gujarat and Chancellor of the University, Dr. Shrimati Kamla. Forty two Gold/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.

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 44 farmers' recommendations and 16 scientific recommendations as well as 79 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 2420.32qt nucleus/breeder seed, 8149.71 qt truthful seed as well as 1,49,032 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 304 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 329 extension workers were given training. Six other training programmes were also organised, in which 8707 farmers participated. Through the Transfer of Technology (TOT) Centres, 197 on-campus and 275 off-campus training programmes were organized, wherein 15294 participants received training. Besides this, the TOT centres had planned and organised extension education activities like symposia, workshops, farmers' days, agricultural exhibitions, fairs, visual programmes, field visits, cattle camps, meetings *etc.* through which total 2,98,491 farmers were benefited. In all, 684 FLDs were conducted on various crops in 279.5 ha through KVKs. The farmers' problems were solved through personal visit and proper guidance by KVKs. The feedback on farmers' problems was collected and sent to concerned scientists for formulation of research programme.

Through 14 programmes arranged by Farm Advisory Scheme, total 1,02,750 participants were benefited. Under Centre of Communication (COC) scheme, 20 *Gram Kishan Samittees* (GKSs) were formulated and 5 *Khedut Shibirs* were organised in which 262 farmers participated. Extension Education Centres benefited 1,27,735 farmers by organising 256 extension programmes.

The efforts were made to inform farmers/rural people about technological advancement through different media *viz.*, TV, radio and publication of agricultural literature. During the report period, 21 TV programmes and 23 radio talks were given by scientists of the University. Besides this, 3 folders and 6 booklets were published. University News Bulletin "JAU News letter" is being published regularly by the Directorate of Extension Education.

During *Krushik Mahotsav-2013*, the University gave guidance to 2,58,509 farmers who participated actively.

1.7 Students' 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 167 students by campus interview were selected for various jobs. Seventeen Inter-collegiate sports and cultural activities were organised by the University. The University students participated in 15th All India Inter Agricultural University Sports and Games Meet held at Assam Agricultural University, Jorhat during March 24-28, 2014. 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, 50 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 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.

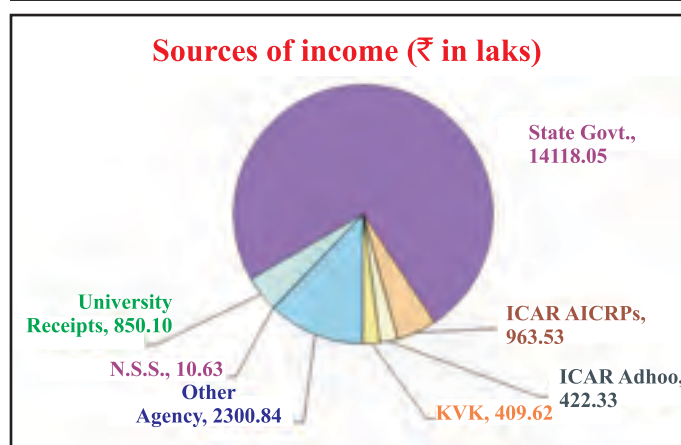
1.9 Finance and Accounts

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 ₹ 6888.18 lakh under plan and ₹7229.87 lakh under non-plan.

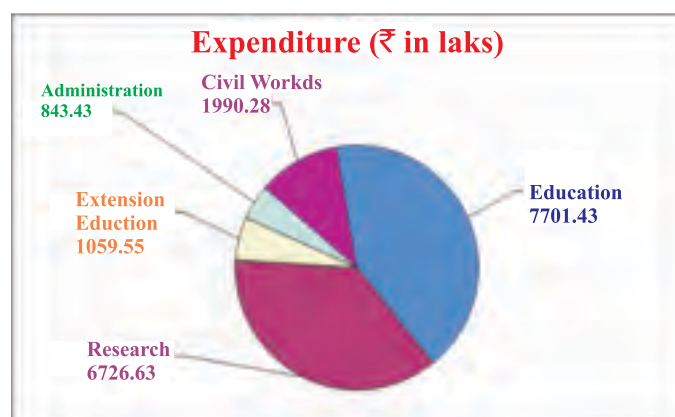
The finance sources, fund and budget (₹ in Lakh)

Income:

▪ Opening Balance as on 01.04.2013	2265.13
▪ Grant Received during 2013-14	
➤ State Government	14118.05
➤ ICAR All India Coordinated Research Projects	963.53
➤ ICAR Adhoc	422.33
➤ KVK	409.62
➤ Other Agencies	2300.84
➤ N.S.S.	10.63
▪ University Receipts	850.10
Total	19075.10



Expenditure:	(₹ in laks)
▪ Education	7701.43
▪ Research	6726.63
▪ Extension Education	1059.55
▪ Administration	843.43
▪ Civil works: Construction/Maintenance	1990.28
Total	18321.32



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 2011-12 and Accountant General for the financial year 2012-13 and settled the primary audit objections.

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 83 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 ₹1207.46 lakh were sanctioned and final payments of ₹273.35 lakh were made to retired officers/employees during the year under the report.

1.10 University Library & Information Technology

The University Library possesses 46703 books, Indian as well as foreign journals and 14000 back volumes. CD-ROM database like CAB ABSTRACT, AGRICOLA, AGRIS and e Books 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. 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 four Mbps BSNL leased line connectivity from BSNL and high speed band width 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 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.

1.11 Accreditation

The Accreditation Board of ICAR, New Delhi granted accreditation to Junagadh Agricultural University and its three constituent colleges viz., College of Agriculture, Junagadh, College of Agricultural Engineering & Technology, Junagadh and College of Fisheries Sciences, Veraval. The under graduate programmes as well as the post graduate programmes of different disciplines of these colleges were accredited for five years from June 25, 2009.