

Introduction



Chapter-I





The Junagadh Agricultural University was established on 1st May, 2004 under Gujarat Agricultural Universities Act-2004. On completion of its seventh 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. The jurisdiction of this University includes all seven districts of Saurashtra region i.e. Junagadh, Rajkot, Jamnagar, 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, Accounts Officer cum Comptroller and Director of Students' Welfare, are officers of the University.

H.E. the Governor of Gujarat acts as the Chancellor of the University. During the period under report, Her Excellency the Governor of Gujarat, Dr. Shrimati Kamla was

the Chancellor, Dr. N.C. Patel, the Vice Chancellor and Dr. R.L. Shiyani, the Registrar of the University.

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

1.4 Education

The education programme in Junagadh Agricultural University is based on two-tier system. The first one covers higher education in Agriculture, 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 Agriculture Diploma, Bakery Training, Livestock Inspector Training, *Mali* Training and Extension Education Training.

During the period under report, 125 students at polytechnic diploma level, 246 students at UG level and 200 students at PG level were admitted in various colleges of the University i.e. College of Agriculture, College of Agricultural Engineering & Technology, College of Veterinary Science & Animal Husbandry and PG Institute of Agri-Business Management at Junagadh and College of Fisheries Science at Veraval. During the period, 136 students at UG level and 94 at PG level have successfully completed their degree courses.

During the year under report, the Sixth Annual Convocation was held at Junagadh on January 15, 2011. Dr. M.M. Pandey, Deputy Director General (Engineering), ICAR, New Delhi was the chief guest. A total of 207 students were awarded Under Graduate and Post Graduate degrees by H.E. the Governor



of Gujarat and Chancellor of this University Dr. Shrimati Kamla. Thirty two Gold 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 various research projects, their monitoring and supervision, planning and implementation of research activities at different research stations as well as the PG teaching programmes and their evaluation in different disciplines were carried out under the guidance of Director of Research & Dean PG Studies during the year under report.

Junagadh Agricultural University has 26 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. These research stations are working in the field of Agriculture, Agricultural Engineering, Animal Sciences and Fisheries for catering the needs of farmers, artisans, livestock holders, 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, Social Sciences, Agricultural Engineering, Animal Science, Fisheries Science etc.

The efforts made by scientists of the University emerged in 32 farmers' recommendations and eight scientific recommendations

as well as 94 new technical programmes were developed during the reporting year. It also resulted in emerging six new crop varieties for farmers. Besides this, seed production programmes were also taken up in different crops and varieties. About 1909.14 q nucleus /breeder seed and 11294.71 q truthful seed were produced. During the year under report, total 29 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 240 students have completed different certificate/diploma courses *viz.*, Agricultural Diploma, Livestock Inspector Training, Bakery Training, *Mali* Training, *etc.* The T & V system programmes were also held and about 250 extension workers were given training. Nine other training programmes were also organised, 411 participants were given training. Through the Transfer of Technology (TOT) Centres, 191 on-campus and 304 off-campus training programmes were organized, wherein 14292 participants received training. Besides this, the TOT centres had planned and organised 3672 extension education activities like symposia, workshops, farmers' days, agricultural exhibitions, fairs, visual programmes, field visits, cattle camps, meetings *etc.* through which total 153936 people were benefited. In all, 624 FLDs were conducted on various crops in 270.9 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 scientist to reform further research.



Through 208 programmes arranged by Farm Advisory Scheme, total 1075412 participants were benefited. Under Center of Comunication (COC) scheme, 33 *Gram Kishan Samittees* (GKSs) were formulated and 18 *Khedut Shibirs* were organised in which 971 farmers participated. Extension Education Centres, viz., LITC, School of Baking and Fisheries Extension Centre benefited 81303 people by organising 187 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, 29 TV programmes and 22 radio talks were given by agricultural scientists. Besides this, 20 folders and 10 books were published and 89 subscribers for '*Krushi-Go-Vidya*' were registered. University News Bulletin "JAU News letter" is being published regularly by the Directorate of Extension Education.

During *Krushi Mahotsav-2010*, the University gave guidance to 83331 farmers who participated actively.

1.7 Students' Welfare

The University authority 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 UG and PG students of the University.

The campus interviews were arranged for placement of students from different colleges. Total 20 inter-collegiate sports and cultural activities were organised by the

University. The University students participated in All India Inter Agricultural University Sports and Games Meet-2011 held at Kerala Agricultural University, Thrissur (Kerala) during February 16-20, 2011. Our 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, 23 programmes were organised. Educational tours were arranged for the students of College of Agriculture, College of Agricultural Engineering & Technology and College of Fisheries Science. Various scholarships were availed for the students. About five spiritual and health awareness programmes were organised.

1.8 Estate Management

The construction and related works, repairs and maintenance of buildings & roads, water supply, maintenance of drainage system, street light, electrification, repairing of electrical faults, all these works are looked after by the Executive Engineer of this University.

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 other 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

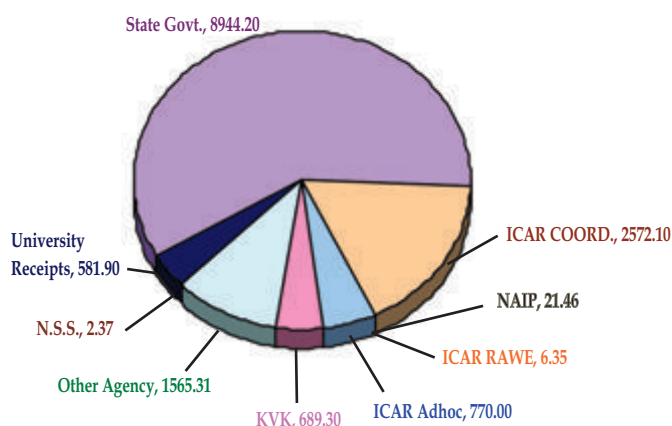
₹ 4278.88 lakh under plan budget and ₹ 4665.32 lakh under non-plan budget. The revised non-plan budget was put up as per the need of the University, but due to non-availability of additional grant, there is a cumulative deficit of ₹ 1580 lakh since 2004-05 in non-plan projects.

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

Income :

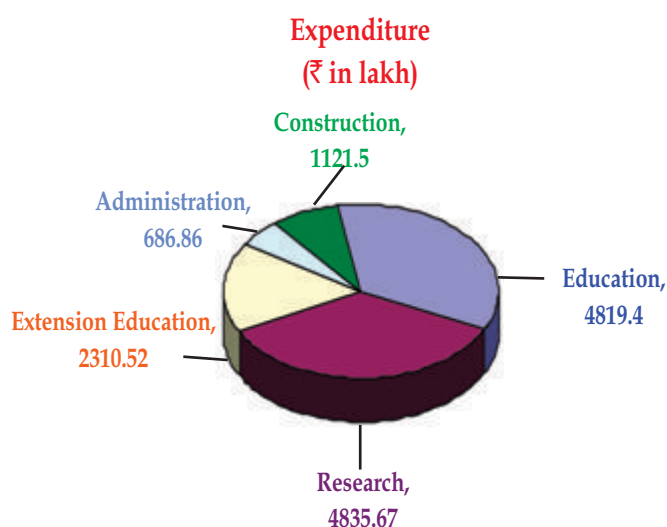
■ Opening Balance as on 01.04.2009	-318.21
■ Grant Received during 2010-11	
➤ State Government	8944.20
➤ ICAR Coordinated Projects	2572.10
➤ ICAR Adhoc	770.00
➤ ICAR RAWE	6.35
➤ KVK	689.30
➤ NAIP	21.46
➤ Other Agencies	1565.31
➤ N.S.S.	2.37
■ University Receipts	581.90
Total	14834.79

Sources of Income (₹.in lakh)



Expenditure: (₹ in Lakh)

➤ Education	4819.40
➤ Research	4835.67
➤ Extension Education	2310.52
➤ Administration	686.86
➤ Construction	1121.50
Total	13773.95



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 done the audit work for the year 2008-09 and also the auditing by Accountant General completed for the financial year 2009-10, and settled the primary audit objections.

The internal audit was done by the help of internal staff available at the University. Moreover, audit of 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 also 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 75 cases were sanctioned during the year and the payment was made to the staff/officers for their benefits of retirement.

Part-final advances worth ₹ 960.96 lakh were sanctioned and final payments of ₹155.12 lakh were made to the retired officers/employees during the year under the report.

1.10 Information Technology

Junagadh Agricultural University has 4 Mbps BSNL leased line connectivity and it 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. The IT centre has also given training to University employees, which covered fundamental aspects of computer operating. In addition to above services, the University circulars / letters are circulated to all the concerned through e-mail service and also kept on intranet.

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.

The University Library possesses 43000 books, 47 Indian as well as 8 foreign journals and 16000 back volumes. Cyberary with 100 Mbps LAN connectivity enables users with online database like Agris and J-Gate. 11 E-Books are also subscribed facility by ICAR for foreign Journals through Online Access of Journals through Consortium for e-Resources in Agriculture (CERA) is available and CD-ROM databases like CABI, AGRICOLA with latest data are available for user. 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.

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.

