



Chapter - I

INTRODUCTION

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

Hon'ble Governor of Gujarat acts as the Chancellor of the University. During the period under report, Hon'ble Governor of Gujarat, Dr. Shrimati Kamla was the Chancellor, Dr. N.C. Patel, the Vice Chancellor, while Dr. D.N. Vakharia, Dr. R.L. Shiyani and Dr. K.B. Jadeja were the Registrar of the University.

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, Livestock Inspector Training, *Mali* Training and Extension Education Training.

During the period under report, 120 students at polytechnic diploma level, 332 students at UG level and 141 students at PG level were admitted in various polytechnics/colleges of the University, *i.e.*, Polytechnic in Agriculture, Horticulture, Agro-Processing and Home Science; 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, 90 students at diploma level, 170 students at UG level, 144 at Master level and 7 at Doctoral level have successfully completed their respective courses.

During the year under report, the Eighth Annual Convocation was held at Junagadh on January 17, 2013. Dr. K.N. Nag, Former Vice Chancellor, Rajasthan Agricultural University, Bikaner was the chief guest. As many 298 students were awarded Under Graduate and Post Graduate degrees by Hon'ble Governor of Gujarat and Chancellor of this University, Dr. Shrimati Kamla. Forty one 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 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 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. 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, 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 15 scientific recommendations as well as 112 new technical programmes were developed during the reporting year. It also resulted in emerging two new crop varieties for farmers. Besides this, seed production programmes were also taken up in different crops and varieties. About 1327 q nucleus / breeder seed, 9038 q truthful seed as well as 79837 number of planting materials were produced. During the year under report, total 35 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 182 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 204 extension workers were given training. Six other training programmes were also organised, in which 7877 participants were given training. Through the Transfer of Technology (TOT) Centres, 178 on-campus and 228 off-campus training programmes were organized, wherein 13119 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 254451 people were benefited. In all, 509 FLDs were conducted on various crops in 211.1 ha land 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 to reform further advanced research.

Through 57 programmes arranged by Farm Advisory Scheme, total 321489 participants were benefited. Under Centre of Communication (COC) scheme, 22 *Gram Kishan Samittees* (GKSSs) were formulated and 12 *Khedut Shibirs* were organised in which 760 farmers participated. Extension Education Centres benefited 60251 people by organising 179 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, 15 TV programmes and 21 radio talks were given by scientists of the University. Besides this, 33 pamphlets, 43 folders and 9 booklets were published. University News Bulletin "*JAU News letter*" is being published regularly by the Directorate of Extension Education.

During *Krushik Mahotsav-2012*, the University gave guidance to 4,20,610 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. A total of 72 students by campus interview were selected for various jobs. Total 13 inter-collegiate sports and cultural activities were organised by the University. The University students participated in 14th All India Inter Agricultural University Sports and Games Meet held at Karnataka Veterinary University, Bidar during March 6-10, 2013. 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, 67 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.

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 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

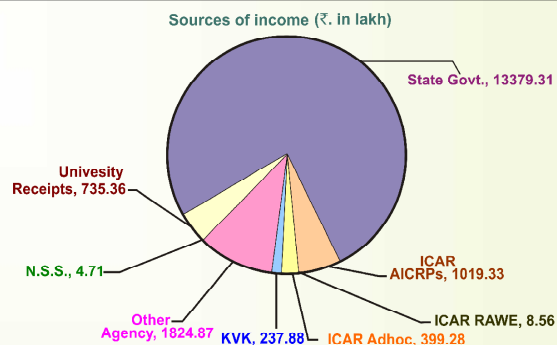
Major sources of finance were Government of Gujarat, Government of India, ICAR and other agencies, which sanctioned grant through different

schemes. During the period under report, State Government sanctioned ₹ 6643.69 lakh under plan budget and ₹ 6735.62 lakh under non-plan budget. The non-plan deficit reduced and remained at ₹ 249.98 lakh from cumulative deficit of ₹1580 lakh since 2004-05.

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

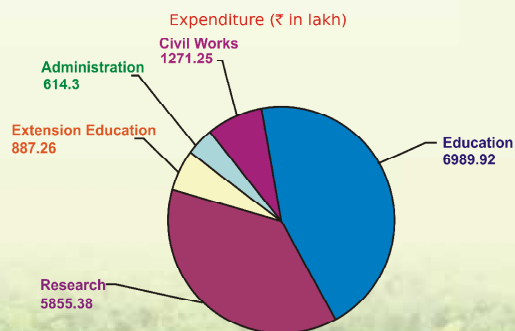
Income: (₹ in Lakh)

| | |
|--|-----------------|
| ▪ Opening Balance as on 01.04.2012 | 253.49 |
| ▪ Grant Received during 2012-13 | |
| ➤ State Government | 13379.31 |
| ➤ ICAR All India Coordinated Research Projects | 1019.33 |
| ➤ ICAR Adhoc | 399.28 |
| ➤ ICAR RAWE | 8.56 |
| ➤ KVK | 237.88 |
| ➤ Other Agencies | 1824.87 |
| ➤ N.S.S. | 4.71 |
| ▪ University Receipts | 735.36 |
| Total | 17609.30 |



Expenditure: (₹ in Lakh)

| | |
|---|-----------------|
| ➤ Education | 6989.92 |
| ➤ Research | 5855.38 |
| ➤ Extension Education | 887.26 |
| ➤ Administration | 614.30 |
| ➤ Civil works: Construction / Maintenance | 1271.25 |
| Total | 15618.11 |





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 2010-11 and Accountant General for the financial year 2011-12 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 78 cases were sanctioned during the year and the payment was made to the staff/ officers for their benefits of retirement. Part-final and other special advances worth ₹ 1062.18 lakh were sanctioned and final payments of ₹ 243.04 lakh were made to retired officers / employees during the year under the report.

1.10 Information Technology

Junagadh Agricultural University has four Mbps BSNL leased line connectivity from BSNL and two broadband connectivity of 10 Mbps each under National Mission on Education through Information & Communication Technology (NME-ICT) scheme. 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. The IT cell 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

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. 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.

From this year, 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.

The University Library possesses 47000 books, 75 Indian as well as 15 foreign journals and 16000 back volumes. Cyberary with 100 Mbps LAN connectivity enables users to access online database. CD-ROM database like CAB ABSTRACT, 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. 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.