



UNIVERSITY LIBRARY & INFORMATION TECHNOLOGY

Chapter - VII

7.1 University Library

The University Library acquaints services to the scholars, scientists and extension activists under 8 constituent colleges as well as research stations and extension education centres of Junagadh Agricultural University, Junagadh.



Collection:

The University Library possesses around 53500 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 60 Indian & 17 foreign journals and around 16000 back volumes.

Services:

Cyberary with 100 mbps LAN connectivity facilitates users to access online database like J-Gateplus (Complete) and CAB ABSTRACTS online which has 1100 full text journals. Our library already has 238 e-books and this year we have subscribed 203 more e-books, 5 e-journals are also subscribed this year. Facility by ICAR for foreign Journals through Online Access of Journals through Consortium for e-Resources in Agriculture (CeRA) and KRISHIKOSH are available and CD-ROM databases like CAB, AGRICOLA, AGRIS with latest data are available for the users. All the theses of different disciplines of the University and few rare books are digitized so that they can be preserved and when need arises can be available for reference to the users in future. The University Library will be fully atomized after the implementation of RFID system. Full time internet, scanning and CD writing facilities are available for the students in the Cyberary in which there are 40 work stations with internet access. These facilities are being extensively utilized by both faculty and students on an average of daily 200 to 250 users for about 12 hours per day. Students are provided with books of their concerned subject of their respective semesters through BOOK BANK facility, 40 more books were purchased of agricultural faculty for the book bank. Library subscribes 10 news papers to acquaint users with daily news.

The library renders its services to the users from 8:00 to 18:30 h and cyberary renders its services from 8:00 to 20:00 h. A separate Air Conditioned Reading Room is developed with the best facilities as well as good ventilation and aeration. This AC reading room accommodates approximately 100 students. The Reading Room remains open for its users from 8.00 to 23.00 hours on working days whereas 8.00 to 13.00 hours on holidays.

7.2 Information Technology



Junagadh Agricultural University (JAU) has established dedicated Information Technology Cell with an aim to provide Information Technology (IT) resources and services to its students, faculties, research scientists, extension officers and staff. The university has equipped IT cell with highly qualified manpower and high end IT resources. IT resources and services provided by the University through IT Cell include uninterrupted high-speed internet access within campus as well as in sub centres located outside the university area, email, video conferencing, JAU Exam Management System (JEMS), Online JAU Circulars, MeraGaonMeraGaurav, Online HRD/Tour programme, Online PF, Student Fees Receipt, KVK Bill Management, CCTV surveillance, Wi-Fi access, Google apps, Online Recruitment, etc.

To make governance more transparent, DGS&D with technical support of National eGovernance Division (Ministry of Electronics and Information Technology) has developed GeM portal for



GeM Training Photographs

procurement of both Products & Services. GeM is a short form of one stop Government e-Market Place. Awareness training was organized by IT Cell in collaboration with CSPO, Industry and Mines Department, Government of Gujarat with the help of GeM officials.

A help centre is also run by IT Cell to provide complete support for students to apply for “Mukhyamantri Yuva Swavalamban Yojana (MYSY)” a scheme for scholarship, which has been started by Government of Gujarat.

1. IT infrastructural facilities at IT Cell

IT Cell is equipped with high end equipment such as servers, firewall, routers, computer systems, ups, generator and many other resources. Moreover, IT Cell has also become an instrumental part in establishment of University Examination Hall which is equipped with 150 computer systems with necessary network and internet facilities. This setup has been used for conducting screening examination for recruitment, for placements, for online admissions and for organizing IT related trainings.

2. High-speed Internet Access

JAU has total 355 Mbps dedicated 1:1 Internet Lease Line (ILL) connectivity through different internet service providers. This includes 100 Mbps 1:1 Internet Leased Line (ILL) through Railtel under National Knowledge Network (NKN) that encourages the usage of specialized applications, which allows sharing high performing computing



facilities, e-libraries, virtual classrooms and large databases, 120 Mbps 1:1 ILL from BSNL and 70 Mbps 1:1 ILL from Ishan.

JAU has also provided internet connectivity to its 16 sub centres through this internet bandwidth pool.



In addition this, 10 MBPS shared internet connectivity has also been made available to the two on-campus colleges and one off-campus college under National Mission on Education through Information and Communication Technology (NME-ICT) Scheme of Ministry of Human Resources Development, Government of India.

3. JAU IT Network and Surveillance Setup

University has installed highly secured network architecture with Firewall, IDS (Intrusion Detection System), Content filtering etc. The coverage of the University Campus Network is extensive with more than 500 network points and over 40 wireless access points. Network Management Software is being used for continuous network monitoring and fault detection and its solutions. Moreover, more than 6000 mt. fibre cable is laid down to provide high speed network connectivity. IT cell has configured Fortigate 900D firewall to provide more secure and incorporate more simultaneous users' access to JAU network. IT Cell has installed 400+ number of CCTV cameras with necessary network infrastructure in JAU campus to strengthen video surveillance in the University. Moreover, the University is also connected to Asia's biggest network "Gujarat State wide Area Network (GSWAN), Gandhinagar" through optical fibre connectivity for accessing online Government's programmes.

4. Network Services

University provides well equipped network with IT resource and services to its faculties, students and staff for teaching, research and extension activities.



Efforts have been made by Information Technology (IT) Cell to meet the growing dependencies on technology by providing efficient and encouraging IT based atmosphere in the University. University provides uninterrupted internet services from three Internet Service Providers: 1) BSNL (120 Mbps 1:1 ILL to JAU campus), 2) Railtel (100 Mbps 1:1 ILL to JAU Campus) and 3) Ishan (70 Mbps 1:1 ILL to JAU campus and 65 Mbps 1:1 ILL to 18 sub centres connected to Main JAU campus). University also provides Wi-Fi access through more than 40 wireless access points at various colleges, departments, hostels and university canteen. Intranet has been setup for the university users to access various useful freeware, software and services like Online Tour, JAU IT Resource Centers, JAU Email Registration, JAU Exam Management System (JEMS), Mera Gaoun Mera Gaurav (MGMG) Online data collection, Online Tour and HRD, Online JAU Circulars, Rate contracts, Campus Library, various important formats etc. University also provide Google Apps through which users can access various Google services like Gmail, Google Drive, etc.

5. Reference Services

All the available e-Resources in agriculture viz., CAB, AGRIS and AGRICOLA are provided through LAN by ITC in collaboration with the University

Library to UG/PG students for their research projects and to University personnel engaged in research and teaching work. This enables the user to get quick information through computer on any reference related to agricultural research through network. In addition to this the online access to Consortium for e-Resources in Agriculture (CERA) is made available by IARI, New Delhi, for accessing National and International Journals. *KrishiPrabha* an online doctoral theses facility of All India Agricultural University from HAU, Hisar is also available. J-Gate online database is also provided to the users. This has made the reference services very fast and has saved a lot of time of the scientists and the students.

6. Beneficiaries

A permeating network access environment with wired and wireless network connectivity has been established for seamless IT access to University faculty, staff and students for education, research and extension activities. Google Apps are used by more than 3,000 faculties and students for accessing various Google services like JAU Gmail, Google Drive, etc. University Examination Hall is also used by various colleges for their placement activities as well as for online examinations. The recruitment procedure becomes more transparent due to online examination system and real-time announcement of results.



eLibrary Webpage



Examination Hall Photographs



7. Training

University IT Cell conducts training on use of computer and internet access for availing agricultural related information to rural women at regular interval. The faculties and students of the University are trained by IT cell to make best use of the facilities provided through network services. Trainings on fundamental aspects of operating computer system as well as operating online programmes are given to the University staff very frequently.

IT Cell also conducts various other trainings for University staff whenever digital initiatives are implemented by the University such as training for Online Admission, Government e-Marketplace (GeM), Online Recruitment and many others.

8. University Web Site

The web site of the University is hosted in University's own server at IT Cell with a registered domain name www.jau.in. The web site contains commonly required information for the students, faculty, researchers, staff and farmers. This information is related to education rules and regulations, scholarships, library facilities, students' results, medals, important announcements/events,

University circulars, tenders, advertisements, RTI, Farmers' corner and current news regarding the events of the University. Other information related to research, research recommendations, new varieties released, University publications, MoUs, extension education activities are also made available on the website. The web site is maintained and updated regularly during the year.

The information in vernacular language kept on University website with the aim at providing information to the farmers on various activities of the University in the agriculture field and hence farmers are able to make proper and timely use of the available information.

9. Qualified Personnel

All the services at IT Cell are managed by qualified/trained IT personnel of the university.

10. Visitors

The IT Cell has been visited by a number of eminent persons who have appreciated the activities in fullest terms. The students of IT courses of various colleges of Junagadh city are taking frequent visit as a part of their project work.



University Library