

# 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 52000 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 53 Indian & 18 foreign journals and around 16000 back volumes.

### Services:

Cyberary with 100 mbps LAN connectivity facilitates users to access online database like J-Gateplus (Complete). Our library already has 238 e-books and this year we have subscribed 10 more e-books, 2 e-journals are also subscribed this year. Facility funded 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. 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, the installation of the same is under progress. 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, 61 more books were purchased of agricultural faculty for the book bank. Library subscribes 9 news papers to acquaint users with daily news.

The library renders its services to the users from 8:00 to 18:10 h and cyberary renders its services from 8:00 to 20:00 h. The circulation counter, the cyberary and other services are open to the readers during working days.

## 7.2 Information Technology



### I) 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 (100 Mbps to JAU campus) 2) Railtel (100 Mbps to JAU Campus) and 3) Ishan (75 Mbps to 10 sub centers: each sub center with 5 Mbps and Main JAU campus with 25 Mbps internet connectivity). 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), MGMG Online, Online approval of Tour, Online 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.

### ii) 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 2,500 faculties and students for accessing various Google services like JAU Gmail, Google Drive, etc.

### iii) 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.

### iv) Network Implementation and Management

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.fiber cable is laid down to provide high speed network connectivity.

To strengthen JAU network, in year 2016-17 IT Cell has following tasks:

- Upgrade Fortigate firewall 310B to Fortigate 900C to provide more secure and incorporate more simultaneous users access to JAU network.
- Laid down 1520 mt.fiber cable for high speed network connectivity.

### v) 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.

### vi) 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](http://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 an aim to provide 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.

#### **vii) Leased Line Connectivity**

University is connected to the knowledge and research institutions of the India through high speed bandwidth support (100 Mbps) from Railtel under National Knowledge Network (NKN). NKN encourages the usage of specialized applications, which allows sharing high performing computing facilities, e-libraries, virtual classrooms and large databases. Moreover, the University is also connected to Asia's biggest network "Gujarat State wide Area Network (GSWAN), Gandhinagar" through radio connectivity for accessing online Government's programmes. Under National Mission on Education through Information and Communication Technology (NME-ICT) Scheme of Ministry of Human Resources Development, Government of India broad band connectivity of 10 MBPS has also been made

available to the two on-campus colleges and one off-campus college.

In addition to NKN high speed backbone support, University IT centre is also connected with 100 Mbps leased line connectivity through BSNL which has been upgraded from 26 Mbps to 100 Mbps in year 2016-17.

University has also provided internet connectivity to 10 sub centers with total 75 Mbps internet connectivity (each sub center with 5 Mbps and Main JAU campus with 25 Mbps internet connectivity) through ISHAN Pvt. Ltd. in year 2016-17.

#### **viii) Qualified Personnel**

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

#### **ix) Visitors**

The ITCell 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.

