

## UNIVERSITY LIBRARY & INFORMATION TECHNOLOGY

### 7.1 University Library



The University Library provides services to students and staff of 8 constituent colleges as well as research stations and extension education centres under Junagadh Agricultural University, Junagadh.

#### **Collection:**

It is a rich library with double storeyed stack room with capacity of 1.5 lakh books. It possesses around 49000 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 36 Indian & 16 Foreign journals and around 16000 back volumes.

#### **Services:**

Cyberary with 100 mbps LAN connectivity facilitates users to access online database like J-Gate. 238 E-Books are also subscribed, facility by ICAR for foreign Journals through Online Access of Journals through Consortium for e-Resources in Agriculture (CeRA) and *KRUSHIPRABHA* are available and CD-ROM databases like CAB, AGRICOLA, AGRIS with latest data are available for the users. Full time internet, scanning and CD writing facilities are available for the students in the Cyberary. For the purpose total 40 work stations are provided with internet access through BSNL. 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. The library is marching towards automation process through Libsys software for the circulation of library materials to users. 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

More and more of our faculty, students and staff depend on the technology we provide to fulfil University's teaching, research and extension activities. To overcome such an ever increasing demand efforts have been made by Information Technology Cell of the university to provide errorless network services to the users. These services include internet, e-mail, research references data base access, online accounting, online tour,



online HRD, online PF, online JAU circulars, video conferencing and other IT services.

With high speed bandwidth support (100 Mbps) under National Knowledge Network (NKN), university is connected to the knowledge and research institutes in the India. NKN encourages us for the use of specialized applications, which allow sharing of high performing computing facilities, e-libraries, virtual classrooms and large databases.

In addition to NKN high speed backbone support, university IT centre is also connected with BSNL by 10 Mbps leased line connectivity. 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 been also made available to the two on-campus colleges and one off-campus college.

Above all, 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.

The facilities of Google Apps have been made available to the students and faculties from last two year. All the users of the university have the ability to access Google Apps tools from all over the world on a variety of devices 24 hours a day.

#### ii) Beneficiaries

A permeating network access environment has been established to provide with wired and wireless connectivity to the university faculty, staff and students. The coverage of the University Campus Network is extensive with more than 500 network points and over 25 wireless access points. Google Apps are used by more than 2,500 faculties and students for storing their documents in Google Drive and email messages in JAU Gmail.

#### iii) Training

From this year university IT Cell has started to train rural women for the use of computer and to

access internet for availing agricultural related information. 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 a highly secured architecture with Firewall, IDS (Intrusion Detection System), IPS (Intrusion Prevention Systems), Content filtering etc. The coverage of the University Campus Network is extensive with more than 500 network points and over 25 wireless access points. Wi-Fi connectivity is available in College of Agril. Engg. & Technology, University Administrative Building (University *Bhavan*), Food Testing Laboratory (FTL), Information Technology Cell, VIP Guest House and Girls Hostels of main campus. International Hostel and all PG Boys' Hostels are also connected with campus LAN for providing Wi-Fi connectivity to the students.

#### 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. *Krishi Prabha* an online doctoral theses facility of All India Agricultural University from IIAU, Hissar 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 our own servers 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. These information are 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 so as the farmers are able to make proper and timely use of the available information.

#### vii) Leased Line Connectivity

A high speed bandwidth of 100 MBPS has been obtained from Railtel under NKN project for internet, e-mail and other network services. The university IT centre is also connected with BSNL by 10 MBPS leased line connectivity. 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 been made available to the two on-campus colleges and one off-campus college. The university is also connected to Gujarat State wide Area Network (GSWAN), Gandhinagar through radio connectivity for accessing online Government's programmes.

#### 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.

