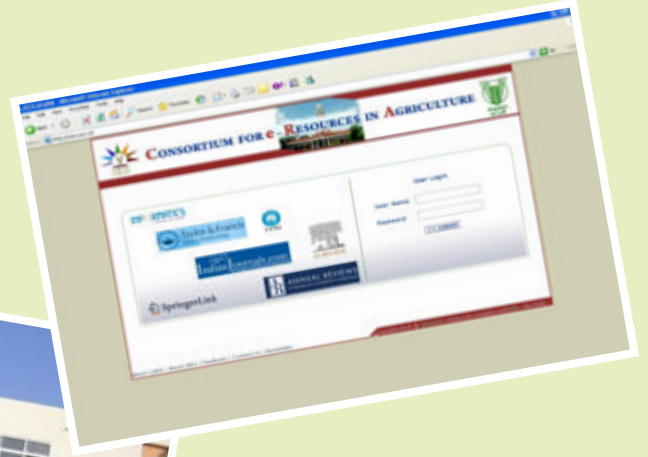


# Information Technology



## Chapter-IX





## 9.1 Network Services

The intranet, internet, e-mail, reference databases and other online services at Junagadh Agricultural University (JAU) have been provided and maintained through Local Area Network (LAN) of the campus. The university has 4 MBPS Leased Line Connectivity of BSNL and radio connectivity of Gujarat State wide Area Network (GSWAN) for rendering above mentioned services. The university circulars are provided to all concerned via e-mail service and also kept on intranet. In addition to above services, the online accounting and online tour programme services are started through intranet. The CCTV camera surveillance system is also connected through LAN for monitoring and recording.

## 9.2 Beneficiaries

More than 1500 persons including the university staff, undergraduate, post-graduate students and the officials from various departments of the state have taken the benefit of ICT facilities like network services, internet, e-mail, scanning of photographs, reference abstract service, printing, CD media preparation, etc. All the offices of university campus and sub-centres are getting circulars through e-mail facility. In addition to this service, the online accounting and online tour programme have increased good governance and ultimately these services have saved lot of time, reduced paper work and eliminated drudgery.

## 9.3 Training

The trainings covering fundamental aspects of operating computer system as well as operating online accounting and online tour programme were given to the university staff very frequently.

## 9.4 Network Implementation & Management

For smooth and error free implementation of network, all the departments of the campus are connected by switches, UTP cable and optic fibre cable. All the switches and network connectivity is centrally managed from IT Cell Server Room. The IT Cell is

responsible for installation and maintenance of the network of the university. A sizable amount of money has been saved by using an open source Network Operating System i.e. Linux/Fedora/CentOS. The network is continuously monitored and the problem, if any, is attended and rectified. The Network Operating System is up-graded regularly by adding the useful features. Because of the network, sharing of the information has become fast and reduced the paper work to some extent.

In addition to above, the wireless connectivity is also established in certain premises of the campus including PG Institute of Agri Business Management, College of Agril. Engg. & Technology, University Administrative Building (University Bhavan) and the Girls Hostel, where the university faculty and UG/PG students take the benefit of accessing Local Area Network.

## 9.5 Presentations/Lectures

The infrastructure facilities LCD projector, screen, laptop computer, etc. for online presentation/lecture are managed by ITC during various conferences, meetings, seminars, workshops, etc. The help is also provided to the UG/PG students and university personnel for preparing effective presentation.

ITC prepared many multimedia presentations covering various activities of JAU, which were updated during the year. These presentations have been shown or displayed during the visits of the guests, meetings of Board of Management / Academic Council / Board of Studies, Agricultural Exhibitions / Fairs, Government level meetings as well as foreign delegations' visit. during the visits of the guests, meetings of Board of Management / Academic Council / Board of Studies, Agricultural Exhibitions / Fairs, Government level meetings as well as foreign delegations' visit.

## 9.6 Reference Services

All the available e-Resources in agriculture viz., CAB 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 end user to get quick information through computer for 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. This has made the reference services very fast and saved lot of time of the scientists and the students.

### 9.7 University Web Site

The revamped website of the university ([www.jau.in](http://www.jau.in)) was launched by Hon'ble Agriculture Minister, Shri Dileep Sanghani on May 27, 2010. The web site prepared by IT Cell is presently kept at server of IT Cell and university domain name [www.jau.in](http://www.jau.in) is registered. This web site includes various aspects and activities of Junagadh Agricultural University like Administration, Education, Research Extension Education, Farmers' corner, Library facility, important announcements/events, tenders, advertisements, RTI, etc. Further, a Web Mail Service has been incorporated in the web site enabling the user to read and reply e-mail from any computer of LAN. There are about 750 e-mail users at campus taking advantage of this service. The web site was maintained and updated regularly during the year.

### 9.8 Leased Line Connectivity

For providing network services two connectivity are available at IT Cell. The wireless radio connectivity, through Gujarat State Wide Area Network (GSWAN), Gandhinagar and 4 MBPS Leased Line BSNL Connectivity.

### 9.10 Qualified Personnel

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

### 9.11 Visitors

The ITC 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. They have remarked JAU a front runner in IT activities amongst all universities of Gujarat state.

### 9.12 University Library

The university library provides services to students and staff of 6 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 43000 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 47 Indian & 8 Foreign journals and around 16000 back volumes.

**Services:** Cyberary with 100 mbps LAN connectivity facilitates, users to access online databases like Agris and J-Gate. 11 E-Books are also subscribed online access of journals through consortium for e-resources in agriculture (CERA) a project by ICAR is also available. 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. For the purpose, total 30 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.