

# Information Technology



# Chapter-IX





## 9.1 Network Services

Junagadh Agricultural University has 2 mbps BSNL Leased Line Connectivity and it is also connected to Gujarat State wide Area Network (GSWAN) through radio connectivity. Internet, e-mail, Research References and Indian Harvest Database have been provided and maintained through Local Area Network (LAN). These services have greatly boosted the education, research and extension education activities of the university.

## 9.2 Beneficiaries

Most of the staff and UG/PG students have taken benefit of ITC facilities like network services, internet, e-mail, scanning of photographs, reference abstract service, printing, CD writing etc. These services have been useful for those engaged in education, research and extension activities.

## 9.3 Training

The basic training covering fundamental aspects of operating computer system is given to the university staff very frequently.

## 9.4 Network Implementation and 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 ITC Server Room. The ITC is responsible for installation and maintenance of the network of the university. A sizable amount of money has been saved by using a free 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, from this year a wireless connectivity is also established in certain premises of the campus including PG Institute of Agri-Business Management and College of Agril. Engg. & Technology, where the UG/PG students and the university faculty take the benefit of accessing Local Area Network.

## 9.5 Presentations/Lectures

The infrastructure facilities LCD projector, screen, laptop computer etc. for online presentation/lectures 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 and Government level meetings.

## 9.6 Reference Services

All the available agricultural data base reference services viz., CAB, AGRIS, AGRICOLA and Indian Harvest are provided online by ITC in collaboration with the Campus 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 on any reference related to agricultural research through network. This is unique kind of a service provided free of cost to the scientists and the students of the university. This has made the reference services very fast and has saved a lot of time of the scientists and the students.

## 9.7 University Web Site

The web site prepared by ITC is presently kept at server of ITC and university domain name [www.jau.in](http://www.jau.in) is registered for five years. 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 web site enabling the user to read and reply e-mail from any computer of LAN. There are about 350 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 ITC; the wireless radio connectivity, through Gujarat State Wide Area Network (GSWAN), Gandhinagar and 2 mbps Leased Line BSNL Connectivity.

## 9.9 Qualified Personnel

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

## 9.10 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.

## 9.11 University Library

The university library provides services to students and staff of constituent colleges as well as research stations and extension education centres.

**Collection:** It is a rich library with double storeyed stack room with capacity of 1.5 lakh books. It possesses around 43245 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 190 Indian & 50 Foreign journals and around 20000 back volumes.

**Services:** Cyberary with 1 Gigabytes LAN connectivity facilitates users to access online journal and database like CABI, AGRICOLA, Indian Harvest etc. Full time internet, scanning and CD writing facilities are available for the students in the cyberary. For the purpose total 22 numbers of latest computer facilities is provided with the internet access through BSNL. These facilities are being extensively utilized by both faculty and students on an average of daily 80 to 100 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.

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.