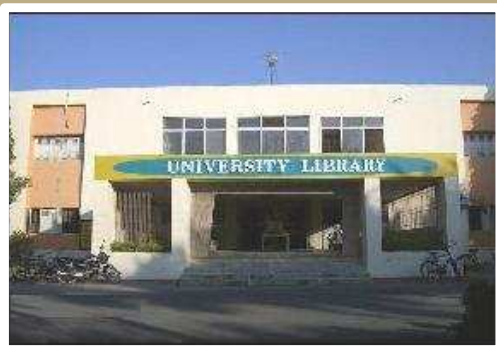


Chapter-IX

Information Technology







9.1 Network Services

The intranet, internet, e-mail, reference databases, CMIE database (Indian Harvest) 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 these services. In addition to above services, the University circulars are circulated to all the concerned through e-mail service and also kept on intranet. These services have greatly boosted the education, research, extension education and administrative activities of the University.

9.2 Beneficiaries

More than 1000 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, which has saved lot of time and eliminated drudgery.

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 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. Engineering & Technology, University Administrative Building and the Girls' Hostel, where the University faculty staff 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 and Government level meetings.

9.6 Reference Services

All the available agricultural data base reference services viz., CAB, AGRIS and AGRICOLA 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 (www.jau.in) prepared by IT Cell is presently kept at server of IT Cell and University domain name www.jau.in is registered. 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 500 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.

9.9 Qualified Personnel

All the services at IT Cell 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 43000 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 150 Indian & 50 Foreign journals and around 15000 back volumes.

Services: Cyberary with 1 Giga bytes LAN connectivity facilitates users to access online journal and database like CABI, AGRICOLA. Full time internet, scanning and CD writing facilities are available for the students in the Cyberary. For the purpose total 25 numbers of latest Computer facilities are provided with the internet access through BSNL. These



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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.

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.



