UNIVERSITY LIBRARY & INFORMATION TECHNOLOGY

7.1 University Library

The University Library acquaints services to the scholars, scientists and extension activists under eight constituent colleges as well as research stations and extension education centres of Junagadh Agricultural University, Junagadh.

Collection:

The University Library possesses around 50750 books. These books are very valuable and helpful in studies, research and preparation for competitive examinations. It provides 48 Indian & 19 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 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. The library has OPAC (Online Public Access Catalogue) facility through Libsys software for the circulation of library materials to users. Library subscribes nine 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) Introduction

University provides 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. A Ubiquitous network access environment has been established to provide services like internet, e-mail, research references data base access, online accounting, online tour, online HRD, online PF, online JAU circulars, Mera Gaon Mera Gaurav(MGMG), Seedling allocation system, Incumbency system, video conferencing and other IT services.

University is connected to the knowledge and research institutes in the India through high speed bandwidth support (100 Mbps) under National Knowledge Network (NKN). NKN encouragesthe usage of specialized applications, which allowssharing 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 by10 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 broadband connectivity of 10 MBPS has also been made available to the two on-campus colleges and one off-campus college.

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.

The facilities of Google Apps have been made available to the students and faculties.

ii)   Beneficiaries

A permeating network access environment with wired and wireless connectivity has been established for seamless access to 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

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 a highly secured 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 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 to 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 also 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 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. 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 the aim at providing 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

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 by10 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.