SUMMARY OF IT FACILITIES AVAILABLE THROUGH JU NETWORK

- 24x7 access to the Information Highway of Internet using 1Gbps (NKN) / 100Mbps (1:1) (Tata Communications Ltd.) [Main Campus], 15 Mbps (1:1) (Tata Communications Ltd.)[SL Campus] of Internet bandwidth [10Mbps P2P connectivity between two campuses]

- JU's Official Web Site (WWW.JADUNIV.EDU.IN). Apart from the general information related to the different Schools/Centres/Departments, JU website provides different facilities for stakeholders.

- Mail accounts with JU's domain name (MAIL.JDVU.AC.IN for faculty, administrators & research scholars).

- Details of the university's computing facilities i.e., hardware and software.

  - Number of systems with individual configurations: More than 6,500

  - Computer-student ratio: 5:7 (approx.)

  - Central server complex set up with over 40 Blade (Xeon) & Rack servers offering Mail, Proxy, DNS, Wi-Fi, SMTP, FTP, Web, Bichitra (online tagore varioram) etc. at Main Campus and over 7 Blade (Xeon) & Rack servers offering Mail, Proxy, DNS, SMTP, FTP, Web etc. at Salt Lake Campus. Storage facility of 30 TB SAN for backup.

  - Campus wide fibre optic backbone : single mode OFC (new) capable to offer 10G connectivity & multi mode OFC (old) as redundant backbone.

  - Dedicated computing facilities : CAAD Lab , Centre for Digital Library & Documentation, Computer Centre (Salt Lake campus)and other laboratory facilities in departments, schools, centres, workshops, offices. Also Mail, FTP, Web, Online Journals, Library/Digital Library Databases, System OS, Scientific S/W, etc.

  - WiFi facility: the whole university is under the basic coverage of the wireless network. [limited to the HODs' rooms & adjacent arena, Departmental Seminar/Conference Rooms and adjacent arena , Administrative Arena : Access for Teachers & Officers only]

  - Wired LAN facility: Wired LAN access to all Departments, Schools, Centres, Workshops, offices, Sections for all stakeholders (i.e., Students, Research Scholars, teachers, Officers, non-teaching staff etc.) in both campuses.

  - Firewall & Antispam : security installed

  - Number of nodes/computers with internet facility: More than 6,500.

  - IP telephony systems are also available

  - Proprietary software: Microsoft OS Package (Campus License), Redhat Linux, Zimbra Mail, Libsys, MatLab, Ansys, Labview, Tally, TrendMicro e-mail security, etc.

  - BICHITRA WEBSITE – online tagore varioram

  - Student admission system (JADU): FAS S/W –Students Admission and Monthly Fees Collection / TALLY S/W for business management featuring accounting, finance, inventory, payroll, audit, manufacturing

  - Educational Softwares : ANSYS S/W - general purpose finite element modeling package for numerically solving a wide variety of mechanical problems / MATLAB S/W - a multi-paradigm numerical computing environment and fourth-generation programming language. Developed by MathWorks / ASPENTECH S/W - Optimize process designs for energy use, capital and operating costs, and product yield through the use of activated energy, economics, and Equipment design during the modeling process / LABVIEW S/W -E - Laboratory Virtual Instrument Engineering Workbench is a system-design platform and development environment for a visual programming etc. AND other relevant S/W s as per departmental requirement installed at & used by the departments.

- Specialized computer training courses imparted by various independent units such as School of Mobile Computing & Communications, School of Education Technology, CAD- CAM Laboratory, C-MATER as well as NIELIT (DOEACC) on campus.

- Computerization of administration, admissions, exam results, issue of certificates:

  -On-Line Marks posting are being done by all departments.

  -All programmes for publication of results, promotion lists have been upgraded

  -Information like Examination Roll nos., Medal list, Convocation, results of affiliated inst. etc. are uploaded in the Examination link of the University website

- Troubleshooting support in resolving network related problem at client side

- Video conferencing facility available and used as and when required

- A comprehensive IT policy has been formulated by the university's IT and Network infrastructure Committee and is awaiting approval by the Executive Council.

- Access to the online Journals/books subscribed by JU (institutional as well as a member of UGC Infonet / INDEST)

- Access to the JU Digital Library & Central Library servers:

  -24/7 access to digital library, online e-books and e-journals and various databases.

  -The e-resources are also accessed from the Learning Resource Centre (60 nodes) in the Centre for Digital Library and Documentation (Main Campus) & LRC (10 nodes) at SL Campus. The internet and other online resources are available in both campuses through IP authentication. E-resources are also available beyond campus thru Ezproxy (remote authentication server at Digital Library) and RemoteXs (cloud) using UID & PWD.

  - Library automation using Libsys (LMS) & RFID system, Institutional Repository & Content management system (s/w) : D-space

  -Participation in resource sharing networks/consortia (like INFLIBNET): INFLIBNET, INDEST-AICTE, DELNET etc.