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 Website (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 systems-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.