



JAGAN NATH
UNIVERSITY

INFORMATION & COMMUNICATION TECHNOLOGY (ICT) POLICY

ICT POLICY

(As Amended on 30.05.2015)

University Campus

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** Recommended by the Academic Council vide Resolution No. 23.13.04 dated May 16, 2015 and approved by the Board of Management vide Resolution No. 22.09.6 dated May 30, 2015.*



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INFORMATION & COMMUNICATION TECHNOLOGY (ICT) POLICY

1. Introduction

The University with an aim to educate staff, students and wider community to participate in a rapidly changing world where work and leisure activities are increasingly transformed by technology and to utilise ICT effectively as a tool for learning and to support and develop lifelong learning.

Keeping in mind the need for Dynamic Education System, the University is continuously reengineering its academic and administrative processes which enables the student to deploy the latest ICT tools.

2. Applicability

The provisions of the Policy Document for the Jagan Nath University Information and Communication Technology Policy will be applicable w.e.f the date of its approval by the BoM and it will replace the earlier policy of the University in this regard and this policy is applicable to all the students and staff members of the University.

3. Objectives

- To create ICT infrastructure for smooth connectivity and integration of ICT based process and end users
- To make the University more accessible to the present and prospective stakeholders and empowering them through enhanced access to information and quality services through the use of ICT
- To facilitate effective communication for learning, capability enhancement and student engagement
- To extend and enhance learning across all areas of the curriculum through the use of ICT

4. ICT Resources Covered Under the Policy

This policy applies to ICT resources and systems made available to the users, by or on behalf of, the University including but not limited to:

- Personal computers, laptops, and terminals;
- Peripherals e.g. printers, copiers, scanners and multimedia devices;
- Interactive Boards, CCTV Cameras, Digital Projectors, Language Lab Consoles (Master & Students)
- Mobile devices e.g. smart phones and tablets;
- Networks with wired, wireless, dialup and internet connections;
- Email and other messaging, social networking or collaboration services such as blogs, chats and forums;
- Application software, services and databases;
- Removable media including CDs, DVDs and memory sticks



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- Five dedicated computers labs and five other departmental labs provided to the student for internet and other works through client –server technology as well as desktop based.
- The University is a Wi-Fi enabled campus which provides high bandwidth to all the academic blocks and all student hostels of the University, boosting research and developmental activities in the University by facilitating the students, research scholars and faculty to access the internet even after regular office timing.
- Entire campus is connected with LAN through 1Gbps Internet backbone, service like optical fiber cables, cat6, cat5 cabling with high speed manageable switches.
- University conducts time to time online seminar and workshop, audio video class room, online library with Libman software and per teacher per computer with internet facility for their research work and other project.
- A Smart class room in each campus equipped with Interactive audio-video visual , Podium, Wireless Access point, Whiteboard and Necessary network ,time to time show technical videos through webcast and other accessories, which enable effective teaching.
- Individual PCs with high speed internet facility has been extended to individual teacher for preparing lecture, research work and online access to e-journal and e library.
- Smart CCTV/ HD cameras are installed for the campus monitoring of computer and other labs, high level software based firewall and next generation anti- virus software are installed for better performance.

5. IT Service Management

- University monitors and improves service quality through the effective Application of processes like day by day feedback of it Operation.
- It ensures that, IT activities are aligned with academic and administrative Needs and objectives.
- It determines and provides resources to plan, implement, monitor, review and improve service delivery and service management.
- University provides computation and networking services, which include, the selection, purchase, setup and maintenance of all network equipment, the choice of protocols supported by the network, and the definition of campus standards necessary for efficient operation of the network.

6. Information Security

- Smart HD CCTV cameras are installed for the campus monitoring of computers lab, academic block and all hostels.
- High level software based firewall and next generation anti- virus software are installed for better performance.
- The mail server in the university is configured to block spams and malicious attachments. This ensures the information security in server communications.



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7. Network Security

- Developing, implementing, operating and maintaining a secure technology environment that includes.
- IP address and Mac address based dual authentication for all internet and Wi-Fi users with tracking and monitoring.
- Protecting information against generic threats posed by computer hacker that adheres to industry-accepted "Best Practices" for the technology.

8. Data Recovery and Backup Management

- Microsoft Window server 2008 file server and Internet firewall server are in place to overcome with any type of exigency like hardware/software failure which includes primarily disk crashing.
- The websites with insecure contents are blocked for access to prevent the Risk of access of untrusted and unauthorized websites.
- Attacks on the University network or systems are detected by University Network and system administrator through smart WIFI controller and proxy server.

9. Software Management

- Purchase Committee is the authorities to purchase Computers and network related equipment's for the University.
- Adheres to the Terms & Conditions of license agreements of IT resources Software's.

10. Open Source Resources

- We use some open source operating system and software like Linux, Ubuntu and open office, apache server, python and Scilab.
- When purchasing new software, free and open-source software and proprietary software is to be considered on an equal footing.

11. Green Computing

Under the objective of reducing the electronic hazards and improving the energy efficiency the following policies are adopted:

- Replacing CRT monitors with LCD/LED monitors.
- Disposing of electronic materials is not permitted in the campus.

12. Softwares

12.1 Proprietary software - Microsoft window server 2008, window 7 , AutoCAD 2010, adobe Photoshop cs4, Microsoft office 2010 and 2007, Seqrite endpoint antivirus sever, Microsoft visual studio 2010, Microsoft window 10, Microsoft sql server 2008, Microsoft Visio 2010, Microsoft hyper -v server, math works mat lab 2010, Microsoft project 2008 and Microsoft exchange server 2010.

12.2 Open Source Software - red hat Linux, ubuntu, libraoffice, libracad, open office, Scilab, python, Mozilla Firefox, filezila and Apache HTTP web server.



13. Computer-Student Ratio

- 1:4 (for the Academic Year 2019-20)

14. Dedicated Computing Facilities

- Five dedicated computers labs and five other departmental labs provided to the student for internet and other works through client –server technology as well as desktop based.
- Internet facility in all Residential and hostels area.

15. Wi-Fi Facility

- Jagan Nath University is a Wi-Fi enabled campus which provides high bandwidth to all the academic blocks and others departments of the University, boosting research and developmental activities in the University by facilitating the students, research scholars and faculty to access the internet even after regular office timing.

16. LAN Facility

- Entire campus is connected with LAN through 1Gbps backbone, service like optical fiber cables, cat6, cat5 cabling with high speed manageable switches.

17. Number of Nodes/ Computers with Internet Facility

- 1000 Node connected with 1 Gbps high speed internet connection for 24 hours.
- A Smart class room in each campus equipped with Interactive audio-video Podium, internet facility, Whiteboard, time to time show technical videos through webcast and other accessories, which enable effective teaching.
- Individual pc with high speed internet facility has been extended to individual teacher for preparing lecture, research work and online access to e-journal and e library.

18. Future Plans

- Our University is planning for the implementation of new technology like virtualization .virtual private network (VPN) and video conferencing among all the group institutions to facilitate various learning tools, project and research though interactive discussions.
- University upgrades or deploys IT infrastructure and associated facilities regularly.
- Due to Technology advancement, update in IT infrastructure becomes mandatory to facilitate effective management of IT services.

19. ICT-Enabled Classrooms/Learning

- A Smart classroom in each campus equipped with Interactive audio-video visual, Podium, internet facility, Whiteboard, time to time show technical videos through webcast and other accessories, which enable effective teaching.
- Individual PCs with high speed internet facility has been extended to individual teacher for preparing lecture, research work and online access to e-journal and e library.



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20. IT Facilities Available to Individual Teachers and Scholars

- University conducts time to time online seminar and workshop, audio video class room, online library with Libman and Web OPEC software and per teacher per computer with internet facility for their research work and other project.
- Official email id (staff@Jagannathuniversity.org)& Wi-Fi connectivity/access to their electronic gadgets are provided.
- A Smart classroom in each campus equipped with Interactive audio –video leaning materiel, Podium, internet facility, Whiteboard and Necessary network & other accessories, which enable effective teaching.
- Online access to journals, with internet bandwidth of 1 Gbps.

21. How are the computers and their accessories maintained

- The university maintains the IT assets including computer and their accessories periodically .the University maintains the computer and their accessories centrally through technical assistants in house and some assets through AMC whenever required.

22. Give details of the university's computing facilities i.e., hardware and software. Number of systems with individual configurations

Please see Annexure 1 for all university IT Asst and Stock.



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