Kathmandu University
Information System Management Section (ISMS)
Fact sheet November, 2010

1. **Internet Connection**: Through Fibre optics link to Websurfer, Naxal (Indo-Nepal Fibre)

2. **Intranet Connection**: Nepal Research & Education Network (NREN) and its member/s

3. **Internet Bandwidth**: 6 Mbps Synchronous (6 mbps uplink/6 mbps downlink)

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<th>Bandwidth Upgrade history (1024 kbps = 1 mbps)</th>
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4. **Bandwidth utilization**: 24 hours

5. **Servers**:
   - Mikrotik Server (Bandwidth Manager)
   - Virtual Classroom server
   - DNS Server
   - Student mail Server
   - Library proxy Server
   - SUS (Windows patch management)
   - Centralized anti virus server
   - Centralized proxy server

6. **Media**:
   - **Router**: 5
   - **Switch**: 75
   - **LAN**: 10/100 Mbps
   - **UTP Cable**: Cat5e/Cat6

7. **Topologies**: Star & Extended Star

8. **Number of computers connected to Network**: 1000

9. **Average number of internet users per day**: 1400+

10. **Intranet bandwidth**: 100Mbps

11. **Services / Supports**:
   - Web browsing
   - FTP (File Transfer Protocol)
   - Database (mysql)
   - Personal webpage (php,cgi,db)
   - KU Virtual classrooms
   - News & Events
   - Forum
   - KU webpage
   - Department Webpage
   - Email for students
   - Exam results
   - Email for staff
   - Cyber chour
   - KU Alumni
   - WiFi indoor in library
   - Online Admission procedure
   - Video conferencing
   - Online Public Access Catalogue (OPAC)
   - Promote Open Source Software/s
   - Promote Microsoft Genuine Software/s
   - Supervising students project related on IT
   - Network support & Maintenance
   - Online support on IT related problem
   - Online tutorial on installation and Update Antivirus
   - Fibre connection to sister organization KUTH/DH, KUSMS, KUHS
   - Wireless connection to KUIC, & Redundant Connection to sister organizations

12. **Network Monitoring Software/s**:
   - Mikrotik
   - MRTG (Multi Router Traffic Grapher)
   - SNMP (Simple Network Mgmt Protocol)
   - IPTRAF

13. **Security Software/s**:
   - SNORT
   - Clamav (mail)
   - Microsoft Security Essential

14. **Operating System**
   - LINUX
     - Gentoo, Redhat, Debian,
     - Ubuntu, Puppy linux,
     - Brazilian Firewall (BFW),
   - FreeBSD
   - Microsoft Windows Server

15. **Internet Protocol (IP)**
   - Public IP address: 32
   - Network segment:
     - Public: 2
     - Intranet: 12

16. **Official Website**
    URL [http://www.ku.edu.np](http://www.ku.edu.np), Mail: isms@ku.edu.np

17. **Staff**:
    1. Manager, 1
    2. Technical Staffs, 2