CIT Updates

Quarterly Online Newsletter of the FTK-Centre for Information Technology

Issue #
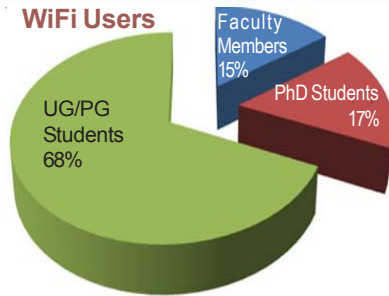# 7

July-September
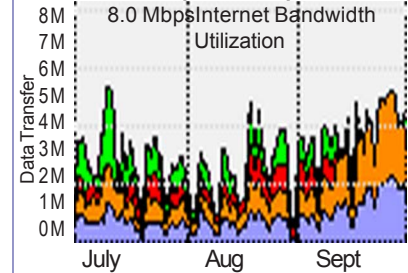2009

In this Issue

WiFi Users

Faculty Members 15%
PhD Students 17%
UG/PG Students 68%

Composite Graph for 8.0 Mbps Internet Bandwidth Utilization

Data Transfer — 8M 7M 6M 5M 4M 3M 2M 1M 0M

July   Aug   Sept

Editorial

I am happy to present before you the seventh issue of the "CIT Updates". The WiFi usage is picking up in the University and measures have been taken to make it more secure. There has been significant network expansion during the third quarter of this year, adding 344 new nodes to the existing network.

A lecture by Prof. Noshir Contractor of North Wastern University and Kellogg School of Management, USA was organized in collaboration with the Centre for Media, Culture and Governance, on Social Network Analysis: Concept & Approaches.

In this issue information about important services of the different sections of the CIT have been included. In particular, the ongoing progress in Web Services and the Mangament Information System (MIS) are highlighted.

Details about MIS-based admissions statistics during the session 2009-2010 are presented.

The Academic Activities of the CIT Staff during the third quarter are also given in this newsletter.

Views and feedback of the readers are welcome.

Zahid H. Khan

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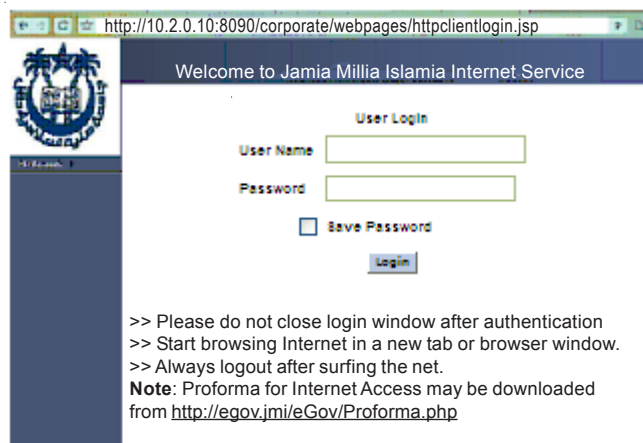## JMI WiFi Internet Access becomes more Secure and Popular

The FTK-Centre For Information Technology has been offering authenticated WiFi facility in the University since 10th October 2008. Initially, the WiFi facility was offered through a separate "squid" server configured to authenticate users before providing Internet access through one of the Internet lines. The setup was workable however, it had some drawbacks.

First, the gateway level security was not getting enforced, as a result the users were prone to malware attacks from Internet. Second, for availing this facility the users were required to explicitly change the normal browser's proxy settings used in the University. Further, the Internet access policies which were enforced on the University's Internet Gateway could not be implemented.

OnOctober 10, 2008, the FTK-Centre For Information Technology configured the WiFi facility on the University's UTM Internet Device. As a result, the earlier splitted Internet delivery to users has now been unified and all major associated drawbacks of the earlier setup have been nullified.

The new setup is relatively more secure and well justified in view of the rapidly growing WiFi user base. It is interesting to note that within last one-year period the wireless nodes (300+) in the University have crossed 10% of the total wired nodes (3000 approx.) and is still growing at a rapid pace. The registered WiFi users include faculty members, research scholars, students and hostel residents .

The use o f Wi-Fi Internet Access in the University is increasing day by day. Below is the graph which display the usage of Wi-Fi among Faculty members, research scholars and students in the university.

>> Please do not close login window after authentication
>> Start browsing Internet in a new tab or browser window.
>> Always logout after surfing the net.
Note: Proforma for Internet Access may be downloaded from http://egov.jmi/eGov/Proforma.php

WiFi Users

WiFi Internet Users	No. of Users
■ Faculty Members	56
■ PhD Scholars	62
■ UG/PG Students	255
Total	**373**
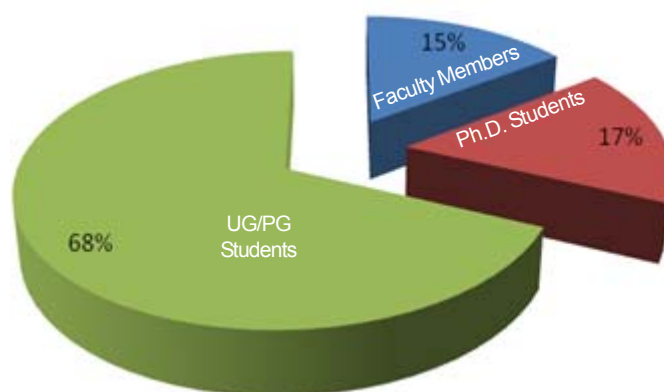
Registration proforma for WiFi account may be downloaded from the following Intranet URL:

http://egov.jmi/eGov/downloads/
Proforma%20for%20Wi-Fi%20account.pdf

Extension Lecture

A lecture on **Social Network Analysis: Concept & Approaches** was delivered by Prof. Noshir Contractor, North western University and Kellogg School of Management, USA. It was organised in collaboration with the Centre for Culture, Media and Governance.

Network Expansion

During the third quarter of the year, 344 nodes were added to existing network in various buildings of the University, this making the total number of available network nodes more than 3000. This was done through additional 10 Switches and 2 hubs.

S.No.	Name of the Building/Department(s)	Additional Switches Installed	No of Nodes
1	Serwer Manzil, MCRC	3	72
2	Department of Mathematics and Commerce	2	48
3	MCRC, 3rd Floor Labs/Office	2	34
4	Noam Chomsky Complex	1	24
5	Department of Economics	1	20
6	Dr. K. R. Narayanan Centre for Dalit and Minorities Studies	1	16
7	Management, Law and Centre for West Asian Studies	1 (Hub)	6
8	Department of Persian	1 (Hub)	6
9	Academic Staff College (New Location)	1	32
	Total Addition	**10 (Switch) 02 (Hub)**	**258**

Cabling work was carried out to provide network points at the following locations through existing switches:

S.No.	Name of the Building/Department	No. of Nodes
1	Lab in Centre for Management Studies	22
2	Centre for Physiotherapy	12
3	Department of Bio-Science	10
4	Department of English	9
5	Department of Applied Art and Department of Sculpture	8
6	Indo-Arab Culture centre	8
7	M.F. Hussain Art Gallery	6
8	Old SRK Building	5
9	Department of Electrical Engineering	4
10	Jamia Senior Secondary School	2
	Total additional network nodes	**86**

Academic Activities of the CIT Staff

Lecture Delivered

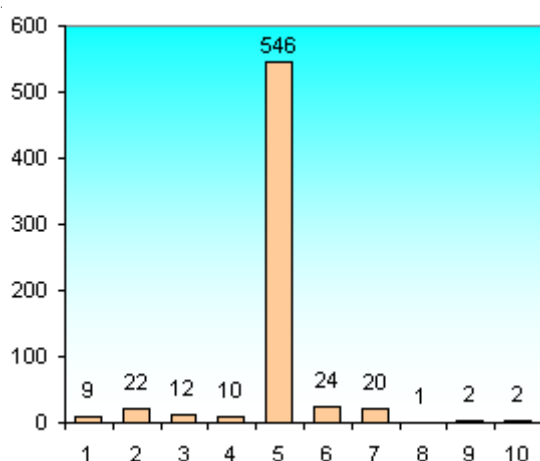| Date	Topic of Lecture	Programme
Dr. S. Kazim Naqvi		
July 30, 2009	Information Systems to e-Governance in Universities	Academic Staff College, University of Hyderabad
July 30, 2009	Model for eGovernance in Education and Sustainability Challenges	Academic Staff College, University of Hyderabad
M. Wasiful Hasan Ansari		
August 12, 09	Using MS-Excel for Data Management	89th Orientation Programme for University and College Teachers organized by Academic Staff College, Jamia Millia Islamia
Membership/Participation in Meetings		
Dr. S. Kazim Naqvi		
September 4, 2009	Appointed as member of the Technical Committee for Company Wide Networking at Patna University.	
September 5, 2009	Invited by Patna University to attend the meeting of IT Core Group.	

Web Services

Website Visits

In the third quarter of 2009, there were 2,30,303 unique visitors to the Jamia website and the total number of web hits was 4,74,186.
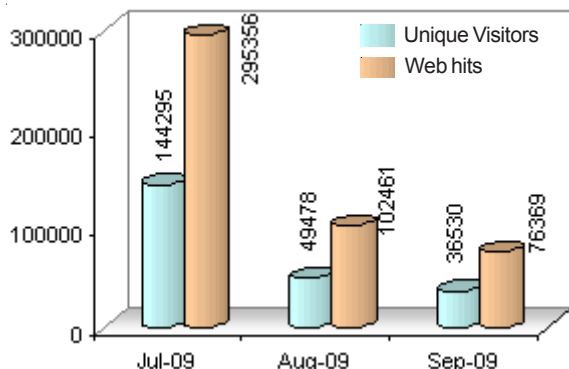
During the same period, a number of features were uploaded on the website, whose details are given in the following:

No.	Features uploaded	No. of Documents
1	Notices and Office Orders	19
2	Tender Notices	22
3	Events and Conferences	12
4	Outreach programmes	10
5	Admission-related Documents	546
6	CVs of Faculty Members	24
7	Job Vacancies in Jamia	20
8	Examination-related Document	1
9	Notification of Ordinances	2
11	Minutes of A.C. Meetings	2

Admission-related documents

Covering Entrance Test Syllabi of MBA (Evening) and Diploma Engineering (Evening) courses, Prospectus and Application Forms of Centres for Distance and open Learning and Application Form for Jamia Girls Sr. Sec. School (Urdu Medium). Apart from this the details of uploading of Admission Results during Admission Process (till September 2009) of the various faculties/Centres in terms of List of Candidates called for Interview, Final Results and List of Candidates selected from Wait Lists are given below:

Faculty/Centre/ School	Admission Interview Lists	Final Admission Lists	Wait Lists	Total no. of Lists
F/o Hum. & Lang.	29	42	77	148
F/o Social Sciences	25	25	29	79
F/o Natural Sciences	23	24	40	87
F/o Education	11	11	2	24
F/o Engg . & Tech.	6	6	27	39
F/o Law	2	2	-	4
F/o Arch. & Ekistics	2	2	9	13
F/o Fine Arts	15	16	3	34
F/o Dentistry	1	1	2	4
MCRC	6	6	2	14
CJNS	1	1	1	3
CWAS	1	1	5	7
CCMG	1	1	5	7
ATWS	4	4	1	9
CSCRS	-	1	-	1
CMS	1	1	4	6
CPRS	1	1	6	8
CELAS	14	14	2	30
CDMS	2	2	-	4
CPCR	1	1	2	4
CIRBSc	-	1	-	1
IACC	1	1	-	2
Schools	-	8	2	10
Total	**147**	**172**	**221**	**538**

Various features uploaded on the Jamia website during Q3/2009.
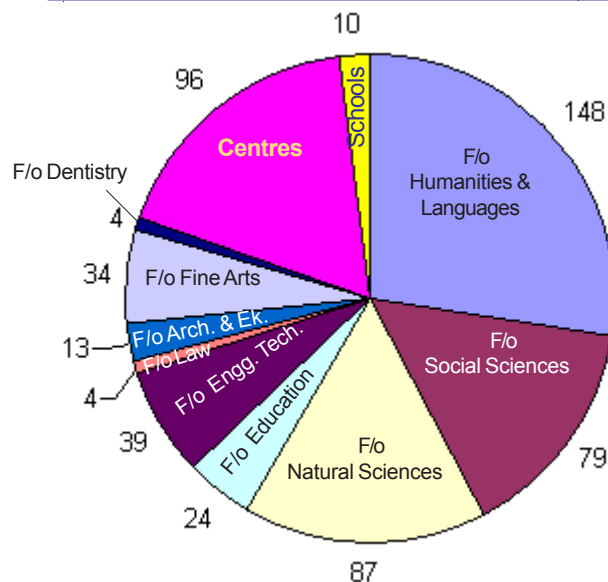
Uploaded documents for Interview Calls, Final and Waiting Lists for various courses

MIS Services

Admissions 2009-2010 at a Glance

Till Sptember 30, 2009, there have been 5,751 new admissions in the University sector, whereas in the School sector there were 1,248 admissions. Thus the total number of fresh admissions in the University during 2009-2010 has been 6,999. The total number of students enrolled in the entire University upto September 30, 2009 has been 17,936, out of which there were 13,363 students in the University sector and 4,573 in the School Sector. This does not include the Ph.D. students who are admitted througout the year and whose current strength is 1,057.

29 foreign students were admitted in the University, out of which 19 were ICCR-sponsored and 10 of Foreign Supernumerary category.

New Admissions during 2009-2010

|	University Sector	School Sector	Total
All Categories (Gen/ JMI/SC-ST/PH/ Foreign etc.)	5,751	1,248	6,999
Foreign/NRI Students admitted during 2009-2010			
Foreign-ICCR	19	-	19
Foreign-Supernumerary	10	-	10
NRI	23	4	27
Total number of students enrolled during 2009-2010			
Regular Courses	10,580	2,231	12,811
Self-financed Courses	2,783	2,342	5,125
Total	**13,363**	**4,573**	**17,936**
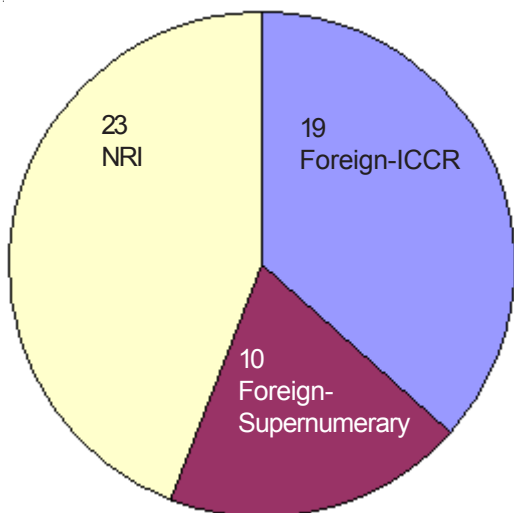
Foreign/NRI Students
admitted during 2009-2010

Faculty-wise New Admissions in the University Sector 2009-2010

S.No.	Faculties/Centres	No. of Students
1	F/o Engineering & Tech.	1,428
2	F/o Humanities & Lang.	963
3	F/o Social Sciences	958
4	F/o Natural Sciences	701
5	F/o Education	436
6	F/o Fine Arts	203
7	F/o Architecture	126
8	F/o Law	100
9	F/o Dentistry	50
10	Centres	786
	Total	**5,751**
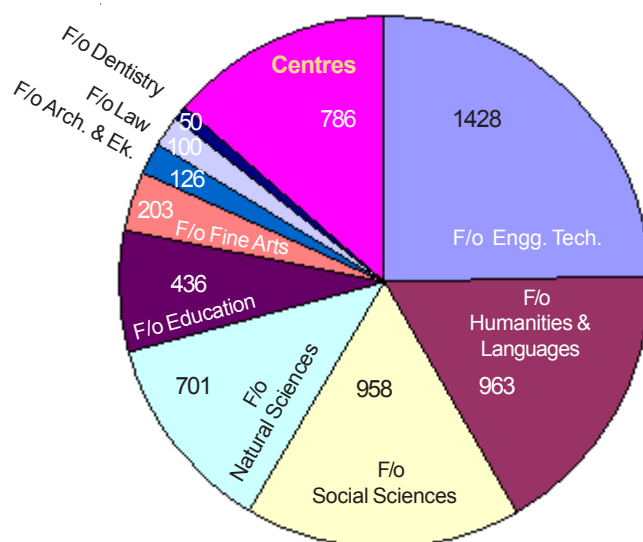
## Total Enrollments in theUniversity and School Sectors as on 30th September 2009
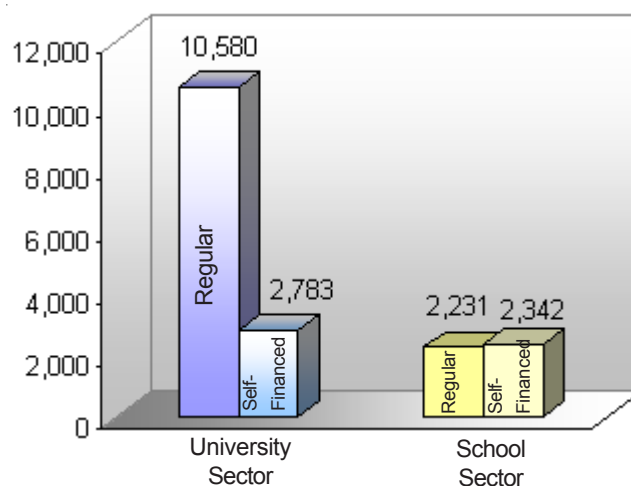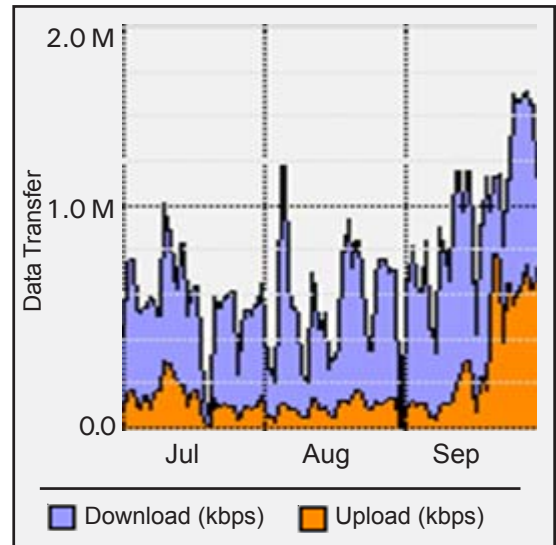

Total number of students enrolled
during 2009-2010

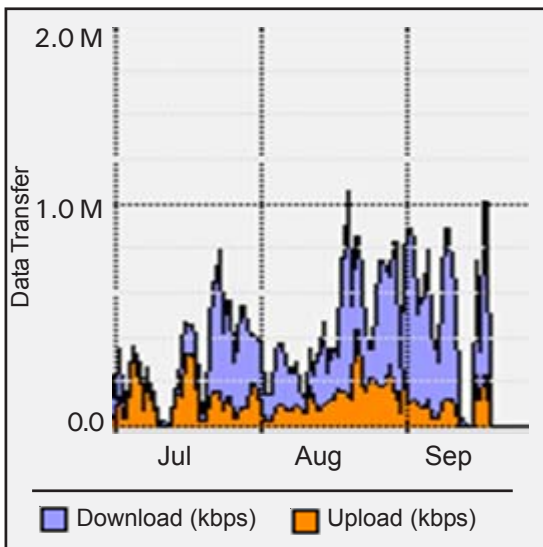## Internet Bandwidth Utilization

The following graphs show average Download Data Transfer during July-September 2009. In these graphs, the 2+2 Mbps radiolink is from STPI Noida, and the 2 Mbps leased line & 2 Mbps radiolink are from ERNET India.
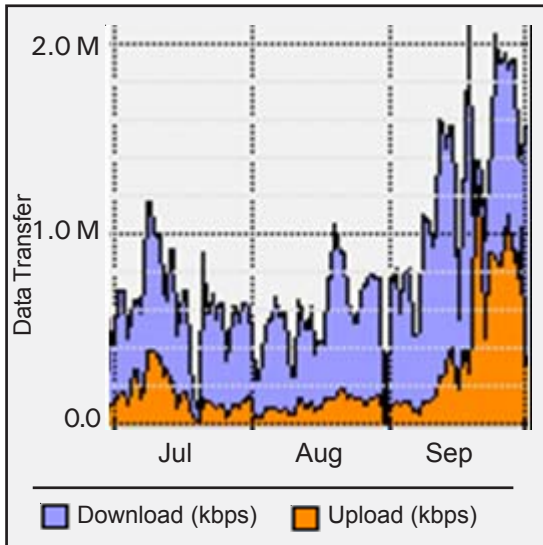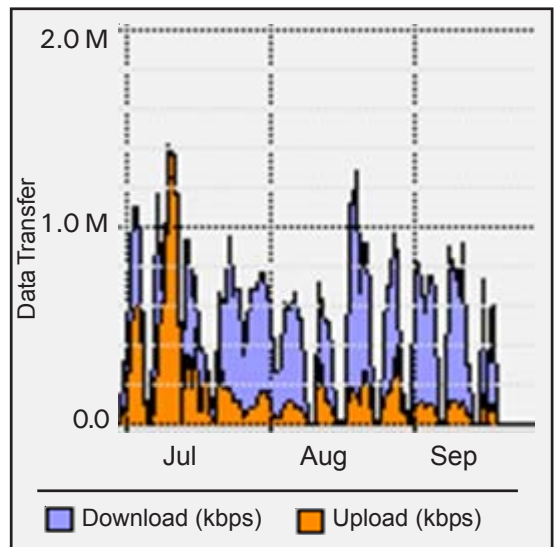
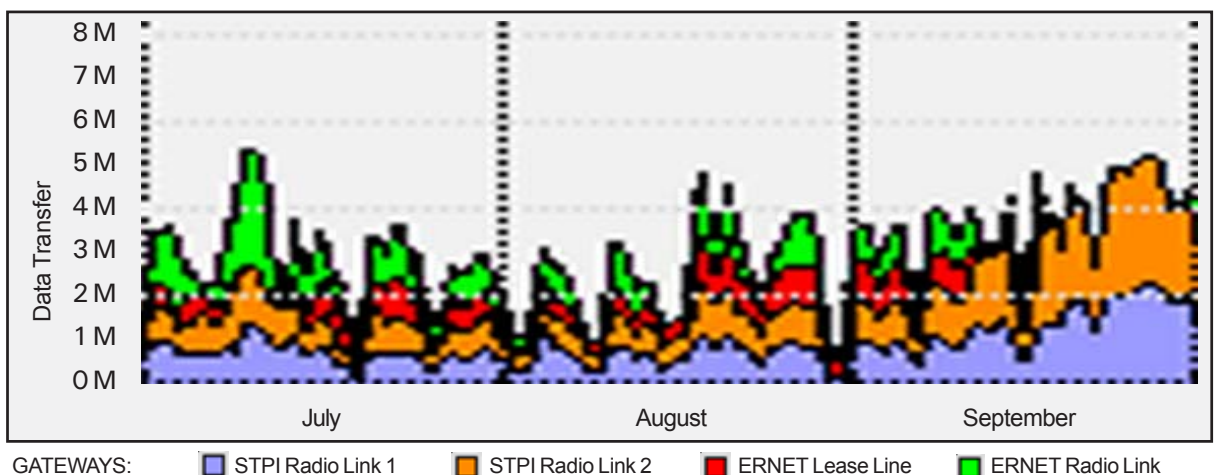**2 Mbps STPI Noida Radio Link1**

2 Mbps STPI Noida Radio Link2

2 Mbps Ernet India Leased Line

2 Mbps Ernet India Radio link

The below Composite Graphs show Average Download Data Transfer 8 Mbps from four Gateways

GATEWAYS: STPI Radio Link 1   STPI Radio Link 2   ERNET Lease Line   ERNET Radio Link

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