Computer Centre



A Brief Profile and Progress Report Last Five Years (2013-2019)

Brief Profile

• Inauguration on Feb. 11, 1987.

• The Centre is providing the Computing facility for the benefit of students and staff for their enhanced learning and will continue to provide augmented research facility, which is the Prime Objective of UGC.

Brief Profile

• Non-Teaching Staff : 4

Name	Designation	Qualification	
Mr. Manish Kumar	System Engineer	M.Tech	
Mr. Praveen Kumar	Programmer	M.Tech	
Mr. Vishwas Singh	Computer Operator	B.A	
Mr. Surendra Singh	Farrash		

Services Provided

- DEI has unlimited license for Microsoft office provided by Microsoft which we will provide in university.
- Tally license server is installed to provide licenses in University.
- SPSS license server is installed to provide licenses for SPSS in University.
- Computer Centre has installed Auto Cad license server to provide licenses in Computer Lab and Individual user of University.
- There are sufficient Windows licenses, which we provide to different computer labs and individual users of University.
- Institute Web server and others servers are hosted and maintained by Computer Centre.
- Reliance and NKN (BSNL) Internet and other leased line are maintained by Computer Centre.

- The Centre provides regular Computing Facility and Printing Services to students and staff of Faculty of:
- Arts
- Commerce
- Education
- Science
- Social Science
- Women Polytechnic
- Engineering

- Special Courses and regular Laboratory Classes for Information Technology related courses in B. Sc, BBM, B. Ed, MBA, M. Sc, Diploma in Engineering, M. Tech and for Ph. D. Scholars.
- The Management of Campus LAN, Internet and UGC Infonet (INFLIBNET) is the responsibility of the Centre.

- Organization of Special IT Courses like Information Technology, Windows / Android Phone App Development, INFOSYS Campus Connect and Online Recruitment Test by the visiting Industry like TATA Motors etc., for the students of Engineering, community
- The extensive and crash training courses on IT Skills are organized for unemployed youth and are regular feature of Centre Activities in coordination with AADEIs.

• Design, Development and maintenance of various Software for Administrative tasks :

- Result Processing System
- Payroll System
- Examiners Database System
- Library Management System
- Essential Services Billing System
- Login Record System
- Network Tracking System
- Ayush (Homeopathy Hospital Management System)
- IT Consultancy Services to various departments

Build In House Software for :

- IP Management
- User Login / Password Management
- Printing Management
- Internet Access Monitoring
- Usage Time Management

Infrastructure and Learning Resources

IT Infrastructure, as applicable

- Networked Labs. : Yes. : 1
- Wi-Fi Facility : Yes
- Video Conferencing Server for Online Teaching courses of Education faculty.
- Server Room

Infrastructure and Learning Resources

IT Infrastructure in Server Room

- Cisco Nexus 9508 core Switch.
- Cisco firepower 2140 firewall.
- Cisco 7200 Router provided by NKN.
- Cisco 6509 Switch
- Cisco ASA
- Cisco Ten Giga Switch
- Cisco 1 Giga Switch
- Cisco Wireless Controller
- HP ProLiant ML350 G6 Servers : 3
- HP ProLiant ML 110 Server : 1
- HP ProLiant ML 10 Gen 9 Server :1

Infrastructure and Learning Resources

: 50

:4

IT Infrastructure in Server Room

- Computers for Student use
- Cisco Manageable Switch

Back UP Infrastructure in Electrical Room

- APC 10 KVA UPS : 1
- APC 5 KVA UPS : 2

- 14 Lakhs in 1985-86 for Setting up
- 25 lakhs in 1994-95 for Upgradation
- 50 lakhs in 1999-00 for Upgradation
- 22 lakhs in 2002-03 for Networking and Building
- 15 lakhs in 2006-07 for Upgradation
- 90 lakhs in 2009-10 for Infrastructure (OBC)
- 25 Lakhs in 2010-11 for Desktops upgrade (OBC)
- 15 Lakhs in 2011-12 for Cisco ASA (OBC)
- 35 Lakhs in 2016-17 for Desktops and WIFI System
- 95 Lakhs in 2018-19 for Core switch, Cisco firepower firewall and Servers

Total 386 Lakhs in 32 Years

2010 - 13

- HP Pro Desktop Computers 60 Nos.
- Wi-Fi facility Installed in Campus and Residential Area
- Started New Courses in Android and Windows Programming for mobile and Tablets.
- Developed Several new Software for management of Centre Activities.

2016 - 17

- WIFI facility installed and enhanced with latest Cisco Access Points.
- Wireless Controller is installed in Centre to control all the WIFI access points.
- Upgraded 33 Desktops to latest Dell System with i7 ver 7, 3.6 Ghz, 4 core, 8 logical processors, 8GB RAM, 1 TB HDD, Microsoft Windows 10 Pro
- BSNL Leased Line to Amritsar, Dedhgaon, MTV Puram, Murar, Timarni ICT Centre installed in 2016.
- CART, Distance Education and Leather Technology Departments connected to Campus LAN on Fiber in June 2017.
- Women's Polytechnic connected to Campus LAN on Fiber in September 2017.

2018 - 19

- Cisco Firepower 2140 NGFW Security Appliance installed
- Cisco Nexus C 9508 Core Switch installed
- 10 more Cisco Access point 2802 installed to enhance WIFI facility.
- Rack Servers for large storage for DEI website and DEILMS is installed.
- Rack Server for Cisco Management Centre for managing firewall rules and access rules installed.

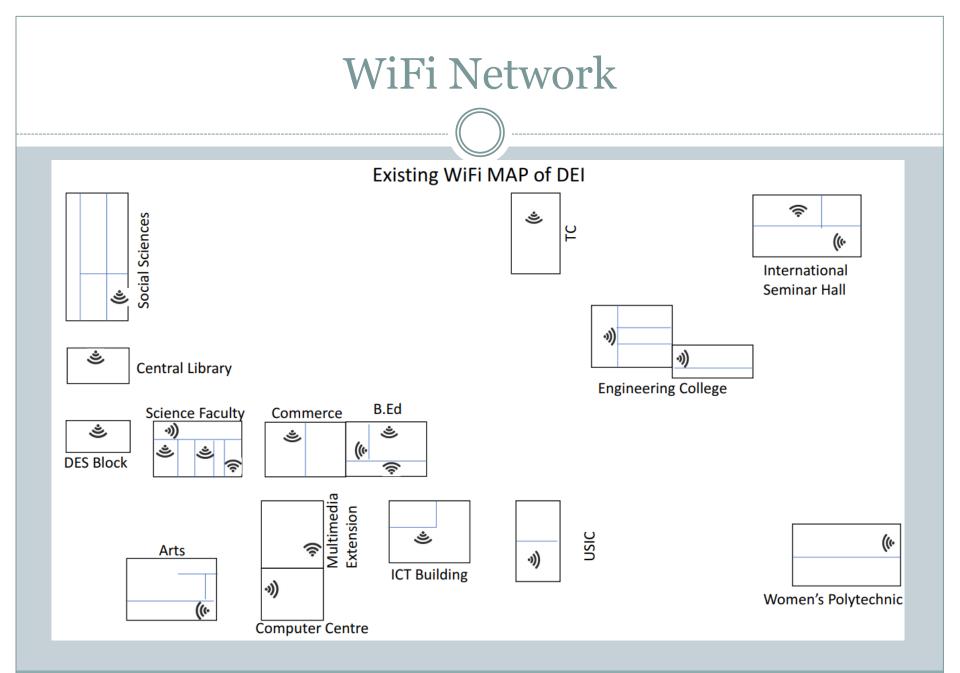
Development of the Centre Cisco Wireless Controller

Cisco AIR-CA2702I-D-K9 Access Point

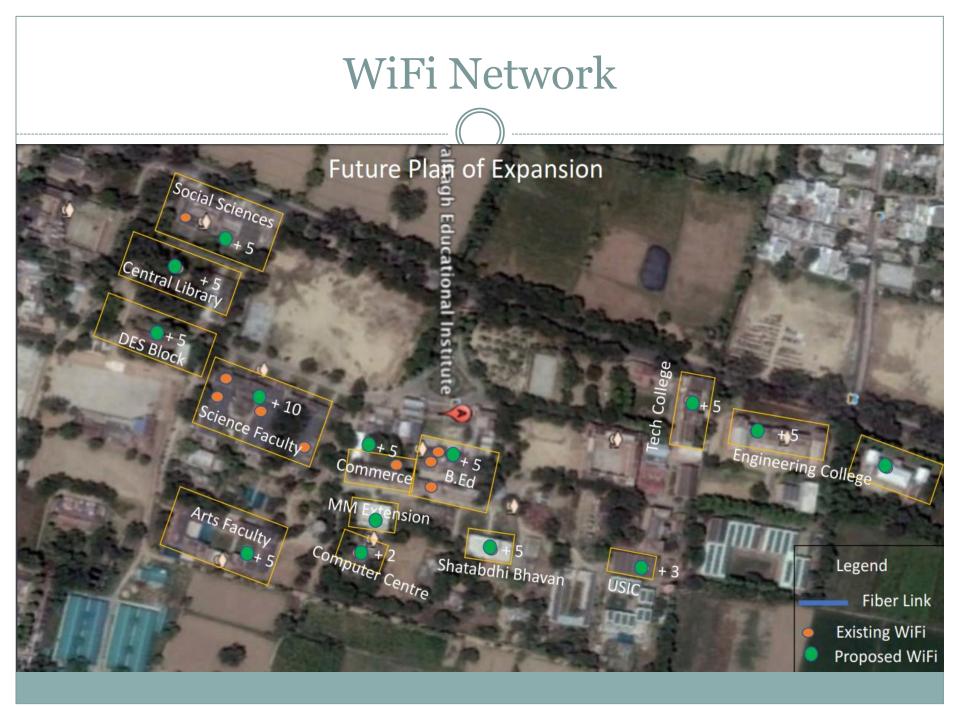
- The Cisco 5520 Series Wireless LAN Controller is a highly scalable, service-rich, resilient, and flexible platform that is ideal for medium-sized to large enterprise and campus deployments.
- Its supports Cisco AIR 2700 series Access point.
- Optimize 802.11ac Wave 2 next-generation networks with 20 Gb throughput
- Support centralized, distributed, and mesh deployments











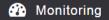
WiFi Network



Challenges of Best Computing Services to All

- In present scenario, when knowledge to use computers for every job aspirant is a must, the Centre is giving best services.
- Every students passing out form the Institute is trained to have a good experience of use of common and advance computer applications like Word Processing, AutoCad, Visual Programming, internet surfing etc.

Development of the Centre Cisco Wireless Controller



H Network Summary

Access Points

Clients

Wireless Dashboard AP Performance

Client Performance

Pactices

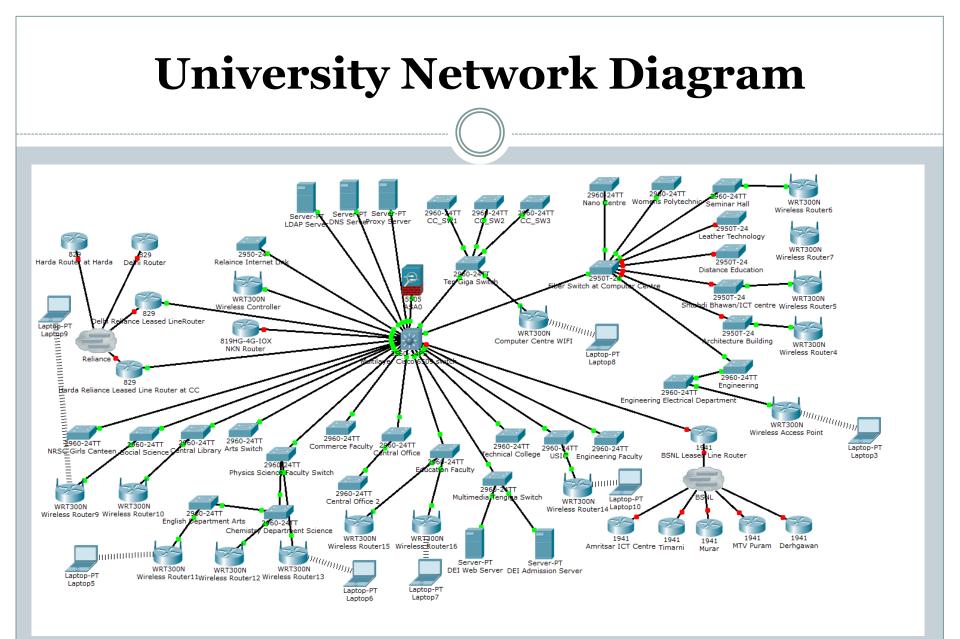
NETWORK SUMMARY Virieles Networks Access Points Active Clents Ps 42 2 corr 6 6012 0 Networks 18 2 corr 6 11 11 2 corr 6 6012 0 Nor-WKI interfering devices a 15 OFF Image Image <th>Cisco Ci</th> <th>isco 5520 Wi</th> <th>reless Controller</th> <th></th> <th></th> <th>Q AP or Client Sea</th> <th>rch Advanced</th> <th>a 🍐 🔅</th>	Cisco Ci	isco 5520 Wi	reless Controller			Q AP or Client Sea	rch Advanced	a 🍐 🔅
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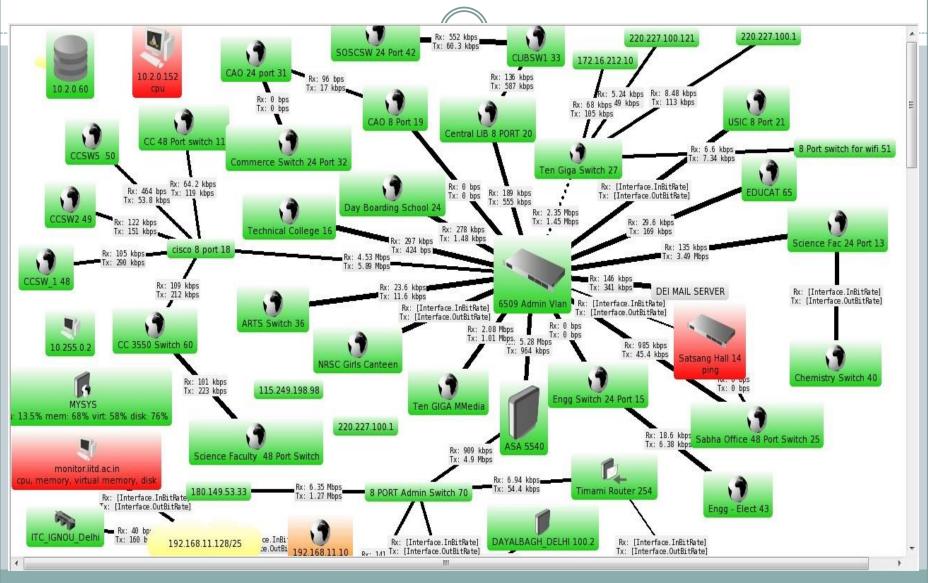
Facilities in the Centre

Network Management Software

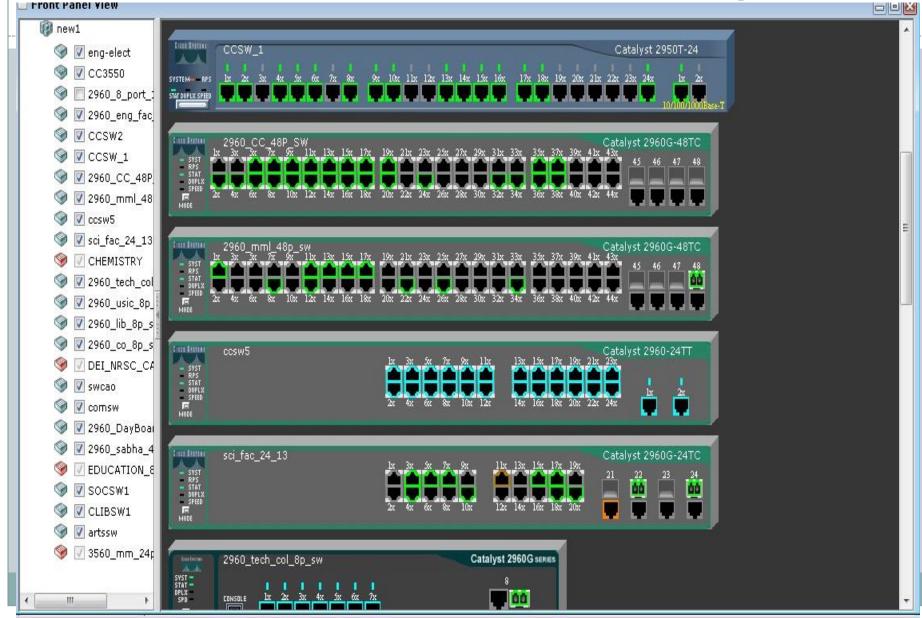
- Cisco Network Assistant
- DEI IP Management Software
- Squid Analyzer
- DEI User management Software
- DEI Printing Management Software
- DEI Internet Access Control Software



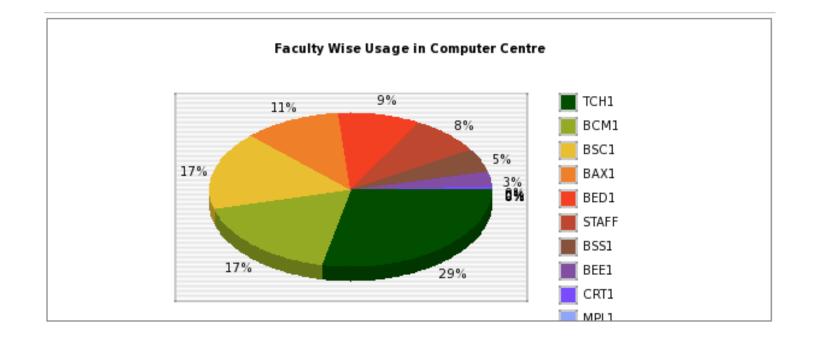
University Network Diagram



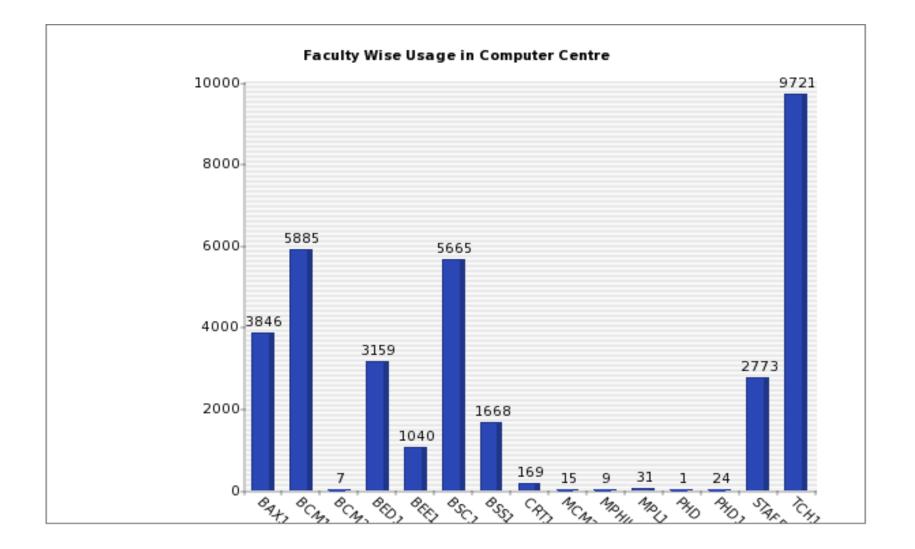
DEI Network Monitoring

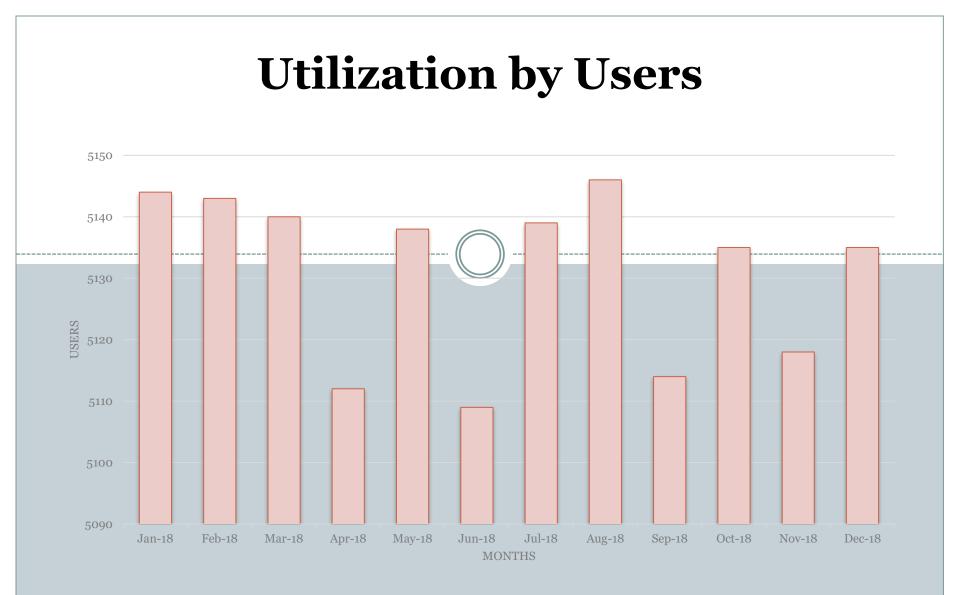


Faculties Utilization



Faculties Utilization





Internet Usage of University

CACHE STATISTICS ON 2019



Internet Usage of Individual

← → C ☆ ③ Not secure 10.151.0.12/squ	uidanalyzer/2019/05/user.html					\$	•	() :
👯 Apps 🛧 Bookmarks 🕨 Suggested Sites 📙 Impo	orted From IE 🔞 Image upload & pr	S Excel Spreadsheet S Micros	oft Excel 200 S Sample Prog	ram 🔌 javascript - Populat	🔌 How do I expire a P	80 Configuring Gmail		>>
Report generated on Thu May 16 1						Mo Tu W	1 02 03 8 09 10 5 16 17 2 23 24	04 05 11 12 18 19 25 26
		🔱 Mime Types	NETWORKS L	sers 🖡 Top Denied	TOP URLS	Top Domains	n Ba	ACK

USER STATISTICS ON 2019-05

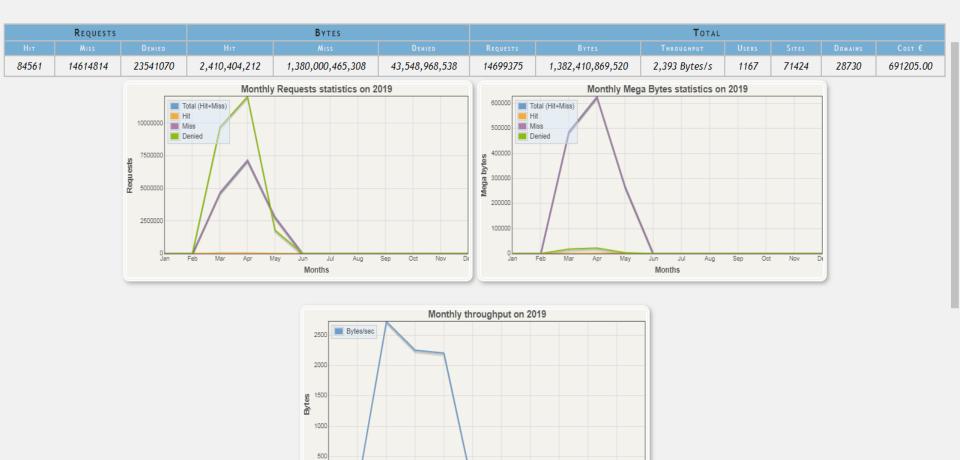
NUMBER OF USER: 694

Users	REQUESTS (%)	В уте з (%) т	DURATION (%)	Throughput (B/s)	Cost €	Largest	URL
MAMTAMEENADEI@REDIFFMAIL.COM	126190 (4.47)	31,385,109,058 (11.73)	971:33:45 (2.89)	8,973	15692.50	528,295,206	upload.docs.google.com
DRSAHABDAS	20630 (0.73)	18,247,273,628 (6.82)	373:52:34 (1.11)	13,557	9123.50	201,758,072	ipv4-c009-bom001-ix.1.oca.nflxvideo.net
ABHIABHIRS008@GMAIL.COM	9201 (0.33)	16,076,075,515 (6.01)	216:44:17 (0.64)	20,603	8038.00	2,468,868,901	f35.megaup.net
CHANCHALBHALLA@GMAIL.COM	79770 (2.83)	14,750,406,673 (5.51)	638:35:22 (1.90)	6,416	7375.00	1,722,312,912	http://ldjosh.menoetius.bysh.me/data/iron%20man%20.
DAMINICHAUDHARY 100@GMAIL.COM	26048 (0.92)	14,660,525,692 (5.48)	321:14:52 (0.95)	12,676	7330.00	2,851,792,873	upload.docs.google.com
MYALMAZ	47004 (1.67)	9,965,640,945 (3.72)	904:53:46 (2.69)	3,059	4982.50	672,254,476	http://51.68.154.119/getintopc.com/rs6x64.10in1.oem.
SHRADHA17.SETH@GMAIL.COM	36890 (1.31)	6,393,057,841 (2.39)	335:20:47 (1.00)	5,295	3196.50	366,953,070	p9mch.aoscdn.com
SURATPRIYARAVURI@GMAIL.COM	53977 (1.91)	5,640,432,654 (2.11)	672:59:29 (2.00)	2,328	2820.00	69,981,599	gcpvuclip-a.akamaihd.net
DHEERAJKUMAR. DEI	21599 (0.77)	5,443,644,796 (2.03)	2286:43:32 (6.80)	661	2721.50	3,552,196,477	community-static.aldebaran.com
MTVPMURUGAN@YAHOO.CO.IN	29195 (1.04)	4,647,550,167 (1.74)	616:50:29 (1.83)	2,092	2323.50	519,557,630	172.217.163.126
RUCHIMENTA0301@GMAIL.COM	98688 (3.50)	4,375,106,304 (1.64)	307:21:19 (0.91)	3,954	2187.50	64,071,344	cdn.sharechat.com
sadhanakumari 1523@ gmail.com	4768 (0.17)	4,337,094,263 (1.62)	28:34:36 (0.08)	42,158	2168.50	189,765,777	fmt.educdn.com
4	2052	3 430 430 503 4 50	47.24.44 10 000	54 743	1710 00	1 202 021 201	http://doumloade.monlocoft.com/506/2/monlo2019.20

Internet User Statistics

🕂 Apps ★ Bookmarks 🚺 Suggested Sites 📙 Imported From IE 🔞 Image upload & pr... 😵 Excel Spreadsheet 🔇 Microsoft Excel 200.... S Sample Program -... 🏄 javascript - Populat... 🛓 How do I expire a P... 🗞 Configuring Gmail...

CACHE STATISTICS ON 2019



Utilization of Resources

- All the Staff and Students make use of the resources of the Computer Centre facility using more than 1168 computers which are connected to the campus LAN in various departments.
- More than 400 students visit the Centre and use the computing facility on a normal teaching day.

