CENTRE OF INFORMATION AND TECHNOLOGY MANAGEMENT (CITM)

Centre of Information and Technology Management (CITM) has been established in the University after integrating three units, namely, Computer Centre, Centre for Information Super-Highway and University Science Instrumentation Centre. This centre has been established to cater the needs of users involving implementation, maintenance and support activities related to LAN/WLAN, software and hardware; procurement, support and maintenance of various equipments of users.

CITM offers internet access and network services to Thapar University. As on Oct 11, 2016 CITM has two static leased line connections: 1085 Mbps leased line from Reliance and 1000 Mbps from National Knowledge Network (NKN). The Campus-wide Local Area Network (LAN), which currently has 5000 live nodes (wired and wireless), is backboned by Optical Fiber connected with layer-3 and layer-2 switches, structured with CAT6 cabling.

The CITM has state-of-the-art computational labs and one DATA CENTRE. CITM Labs remain open from 8.00 AM to 8.30 PM on all working days and from 9.00 AM to 5.00 PM on Saturdays. The computational facility in the Centre includes 14 Dell Power Edge servers and97 nodes and other peripherals. CITM is a member of Oracle Academia Initiative program of Oracle India Ltd. and Microsoft Campus Agreement.

CITM also provides repair and maintenance of Electronic Instruments/Equipment and, PCs and peripherals used in various Laboratories. This centre is contributing in the implementation of ERP software that includes modules financial management, inventory management, human resource management, purchase management, academic activities etc. and its related support to the users of Thapar University. CITM is also responsible for maintenance and administration of Thapar University Website. The main objective of centre is to provide better support and services to the users for their individual as well as collective growth.

List of Faculty/Staff

S.No.	Name	Designation	Qualification & Specialization
	Dr. Maninder Singh	Associate Professor Head CSED & Head CITM	Ph. D. in Network Security, M with honours in Softwar Engineering Certifications: Ethical Hack (C|EH), Security Analyst (ECS/ and Licensed Penetration Test (LPT)
	Mr. Harcharan Jit Singh	Sr. System Analyst - cum Programmer	Ph.D. (Pursuing), M.E. (CSE), B. Tech. (CSE) Certifications : [CCNSP, ORACL 10g -DBA, IBM DB2 9 Database]
	Mr. Prem Lal Sharma	System Analyst	ALCCS (eq. to M. Tech, CSE), AMIE (CS)

		System Administration, Cross Platform Networking, Web Based Applications
Mr. Hunish Bansal	System Analyst	ME SE (Pursuing), B. Tech. (EIC) Database Administration, Microsoft Technologies
Mr. Ajay Kumar Verma	Sr. Instructor	ITI, Instrumentation
Mr. Manoj Kumar	Associate Technical	ME CSE, M.C.A., MSc.IT, PGDCA VB.Net 2008, Ado.Net, Asp.net
Mr. Ishmeet Singh	Associate Contractual	B. Tech. Electronics CCNA
Mr. Harjaspreet Singh	Associate Contractual	MSc.IT, PGDCA Networking
Mr. Jaswinder Singh	Electrician	10th
Mr. Ghana Nand	Jr. Assistant	10+2
Mr. Rajinder Singh	Attendant	Diploma in ECE

4. List of equipment procured

S. No.	Name of the equipment (Qty)	Make	Name of the laboratory	Date of Purchase (dd/mm/yyyy)	Amount (in Rs.)
1.	Networking equipments for Campus Wide IP Cameras	Brocade, Ruckus	Campus Wide	13/08/2015 20/06/2015	5,85,976/- 76180/-
2.	LAN/WLAN deployment in Admin Blocks & Services	Brocade, Ruckus	Campus Wide	31/03/2015 24/06/2015 24/06/2015	43,46,011/- 10861/- 1,80,298/-
3.	LAN/WLAN deployment and Laying /Cabling of Hostel – J	Brocade, Ruckus	Hostel – J	31/03/2015 24/06/2015	32,84,479/- 53,574/-

S. No.	Name of the equipment (Qty)	Make	Name of the laboratory	Date of Purchase (dd/mm/yyyy)	Amount (in Rs.)
4.	Access Point (04)			21/08/2015	6626
5.	Microsoft Edu Cloud Campu Agreement (1year subscription)	Microsoft	Campus Wide	03/09/2015	34,48,924/-
6.	Medium Back revolving chair(10)		CITM and Repair and maintenance office	25/09/2015	48,881/-
7.	Campus Subscription fee of Turnitir plagiarism		Campus Wide	10/03/2016	4,40,473/-
8.	Kaspersky En Point Security		Campus Wide	02/05/2016	3,87,180/-
9.	APC Backup UPS 1000VA 2U (3)			30/03/2016	26500/-
10.	Samsung LED UA32 (01)	Samsung		26/05/2016	21500/-
11.	OFC Splicing, Testing with OTDR Labeling			30/06/2016	23207/-
12.	DLINK OFC 6 CORE SM			30/08/2016	37997/-
13.	Software (300)			02/08/2016	3418136/-

S. No.	Name of the equipment (Qty)	Make	Name of the laboratory	Date of Purchase (dd/mm/yyyy)	Amount (in Rs.)
	Software Desktop(450)				
	Software (03)				
14.	Digilink CAT6 (06)17U Rack Make			02/08/2016	39968/- 16124/- 11357/- 12962/-
15.	Mathworks License for the Period from 1Aug 2016 to 31 July 2017		Campus Wide	29/08/2016	28,65,490/-
16.	Dell Optiplex 7440 All in One	DELL	CITM MAIN LAB	05/09/2016	20,87,520/-
17.	Citrix Xen Server Edition Perpetual pre socket		NOC	14/09/2016	87,599/- 19,688/-
18.	Wireless Access Point			23/09/2016	56,54,350/- 98,88,46/-
19.	Hostel PEB 600/300		Campus wide	21/09/2016	4,73,802/- 1,43,841/- 1,22,299/- 61,555/- 36436/- 132634/-

S. No.	Name of the equipment (Qty)	Make	Name of the laboratory	Date of Purchase (dd/mm/yyyy)	Amount (in Rs.)
20.	Digilink CAT 305			06/10/2016	18999/-
					137402/-
					26590/-

5. **Computing facilities in the CITM**

S. No.	Details of the Hardware/Software	Name of the Laboratory
	Hardware	
	Dell Servers – **10**	DATA CENTRE
	KVM Switch -**01**	
	Central Storage-**01**	
	Server Rack -**03**	
	Dell Optiplex 330 P-IV – 0**2**	
	Dell Optiplex 360 P-IV – **02**	
	Dell Optiplex 9010 – **01**	
I	Dell Power Edge R 730 Storage Server- **02**	CITM NOC
	HP SAN P4300 -**01**	
	HP Proliant ML 350P Storage Server- **01**	
	Dell Optiplex 9010 – **01**	
	Dell Optiplex 330 P-IV – 0**1**	
	Dell Optiplex 380 P-IV – **01**	
II	IBM Lenovo P-IV – **06**	CITM -MAIN
	Dell Optiplex 9010 – **28**	
	Dell Optiplex 380 P-IV – **05**	
	Dell Optiplex AIO Series 7440- **12**	
	Sun Ray 170- **08**	
IV	Dell Optiplex AIO Series 7440- **24**	CITM Computing Lab
V	Laptop DELL D-520 – **01**	Used Across all Labs
	Laptop DELL Latitude-E 5410 -**03**	
V	Laptops HP Pro-book -04	
VI	**Printers:**	
	Lipi T6100 Line Printer – 01	
	HP Laser Jet Printer – 06	
VII	DLP Data Sharp Projector XR – 1x - 02	
	DLP Projector PG-LW 3000- 02	

IX	Wireless Access Point	
X	PM3213 20Mhz Dual Trace Analog Oscilloscope	CITM Instrument and PC Repair Lab
XI	Soldering & Disordering Station	CITM Instrument and PC Repair Lab
XII	Multi output Power Supply	CITM Instrument and PC Repair Lab
XIII	1.1Ghz Universal Frequency Counter	CITM Instrument and PC Repair Lab
XIV	Function Generator	CITM Instrument and PC Repair Lab
XV	Digital storage Oscilloscope	CITM Instrument and PC Repair Lab
XV	Frequency counter	CITM Instrument and PC Repair Lab
XVI	Pulse Generator	CITM Instrument and PC Repair Lab
XVII	Digital Multimeters	CITM Instrument and PC Repair Lab
XIX	Multimeter 8X MK3 with 25Kv Probe	CITM Instrument and PC Repair Lab
XX	LCR-Meter	CITM Instrument and PC Repair Lab
XX	Digital Earth Tester	CITM Instrument and PC Repair Lab
XXI	SMT rework station	CITM Instrument and PC Repair Lab
XXII	System Software	

- Win Svr Ent 2008 - 01
- MS Window 7

MS – Windows Vista Business Upg OLP NL AE – 30
- MS – Windows Vista Business media kit – 01
- MS-Windows XP Professional
- MS-Windows 2003 server

MS-Windows Terminal servers CAL 2003 OLP NL AE – 20
- 50 CAL and 50 TCAL for Windows 2003
- Windows 2000 Advance Server
- Windows 2000 Professional
- Windows 98
- Windows NT 4.0
- Red Hat Linux 9.0
- Sun Solaris 10

Utility Software

- Antivirus: Kaspersky Endpoint Security 10
- Adobe Acrobat Professional 9.00AE – 0
- Web Publishing Tools
- Matlab
- Crystal Reports 9.0
- Staler 4.0

Application Software

- SQL Svr Ent 2008
- Oracle 10g
- Oracle 9.i (30 User)
- MS Visual Studio 2010
- MS Visual Studio 2008
- MS Visual Studio 6.0
- MS Office 2007
- MS Office 2000 Professional
- MS Office 4.3
- Nash Pack 3.0
- VC++ 2.0
- VB 4.0
- MS Project 4.0
- Neural Connection
- SPSS 20.0

.   Citrix Xen Server 6.2

Academia Alliances

Microsoft Ed-vantage Program
Kaspersky Endpoint Security 10
Oracle Academia Initiative (OAI)