

COMPUTER CENTRE - CORE SERVICES ROOM

(The Digital Backbone of Campus Connectivity & Services)

E SERVICES

- **ZIMBRA MAIL SERVER** - Dell Poweredge R650 - 2 no.
- **150 TB STORAGE** and **2250+ EMAIL USERS** - Dell Power Volte EM 5012 and Dell EMC Unity XT 480
- **EMAIL SECURITY** - Sonicwall ESM 9000 Security - (3 Appliances)
- **WEB APPLICATION FIREWALL (WAF)** - Barracuda WAF 960D
- **AUTHENTICATION SERVICE** - HPE Proliant DL365 (Openldap, SMTP, Academic Server, Virtual Desktop – OVD)
- **BACKUP SERVER** - IBM-System X 3650 M5 - Backup Server ARQ.
- **OPEN SOURCE PUBLIC REPOSITORY** - HPE Proliant DL385
- **FTP SERVER** - Dell Poweredge R740

E SERVICES

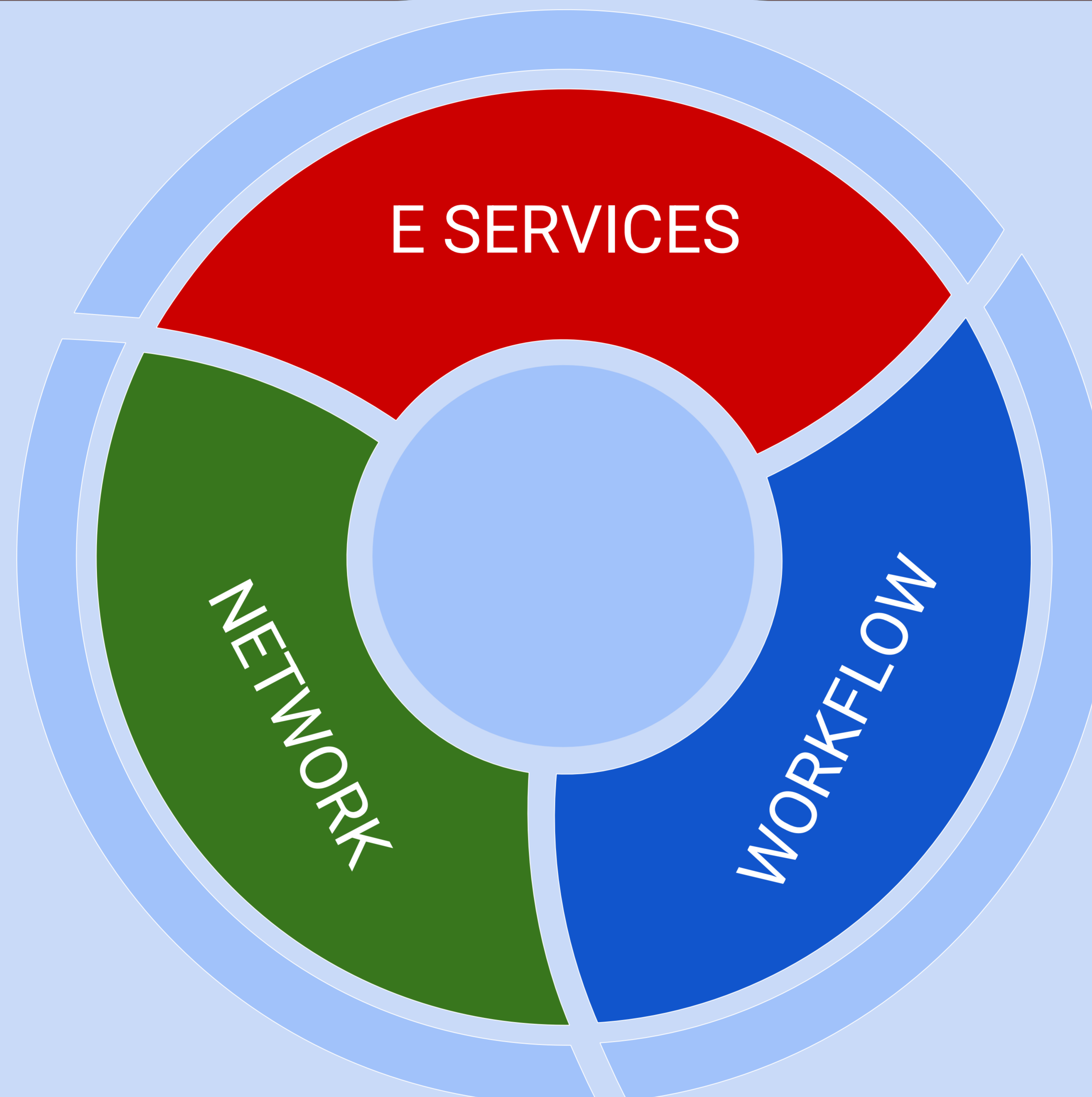
- Dell Poweredge R760 Server (**270+ Virtual Machines**) – **VMWARE Server** - 560 TB Storage, Memory - 4 TB RAM, Intel Xeon Gold 6542Y 2.9 GHZ, 24C/48T X 2 Processor. (TOTAL - 550 GHZ). Backup Software – Veeam. Disaster Recovery - IITM Thaiyur Campus
- **VIRTUAL MACHINES:**
 - Institute Website, Department Websites
 - License Servers, Moodle, Library Servers
 - Antivirus – Kaspersky, Mailing List – Mailman
 - Online Ticketing System - Helpdesk
 - Self Service for Temporary Net Access – LACP
 - Redmine, E Services – Home, FS Portal, Payslip
 - Wmail, Cloud Service Next Cloud, OpenLDAP, SMTP

NETWORK SERVICES

- **SYSLOG, Radius-WIFI, GPON Server** - HP Proliant DL140
- **DHCP, EDUROAM, GPON, Network Support And Monitoring Services** - Fujitsu RX 2530M2 VM Machines

NETWORK VIRTUAL MACHINES

- Netaccess,
- Primary DNS Server,
- Gateway Portal,
- Forti Analyser.



WORKFLOW

- **Workflow Automation** with Database Maintenance for Faculty, Staff & Students - Dell Poweredge R740
- **Tally Services** - Dell Poweredge R740
- **Moodle Services** - Dell Poweredge R740
- **Backup Server** - Dell Poweredge R630

- **Workflow Staging Server** - Dell EMC Poweredge R550
- **Data lake Server** - HP Proliant DL385
- **Development server** - Dell Poweredge R740

NETWORK

- Bandwidth : **NKN – 10 GBPS, TATA – 200 MBPS**
- Network Firewall - **Fortigate 6301F Firewalls (HA)**
- Core Switches - **Cisco C9606R (HA)**
- NKN Router, Ernet Router, Tata Router, Railtel Switch.
- All LAN and WiFi Connections Across Campus.
- **Switches** (Cisco C9300, Cisco C9200, Cisco Ws-C3850) Providing Connectivity Between Servers And Other Zones.
- **GPON OLTS** - Optical Fiber Links for Residential Zone
- **10 GBPS OFC Backbone Links** To all Major Academics LIB, ESB, MSB, HSB, ICSR, MDS, KCB, NAC2.

WORKFLOW - VIRTUAL MACHINES

- **Academic Website**
- **E-Learning**
- **Workflow Reports**
- **Asset Management**
- **Vendor Registration**
- **Digilocker**
- **Workflow API**
- **Parentconnect**
- **HR Module**
- **TCF**
- **SEAT - Students Elective Allotment.**
- **Pet pass**