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4.3 IT Infrastructure

4.3.1.6 Central Server

Central Server Room is the IT (Information Technology) backbone for the campus. The whole campus buildings are connected in LAN (Local Area Network) from Central Server Room through OFC (Optical Fiber Cable). OFC linking helps for better connectivity between the buildings and helps faster data sharing to end user computers, laptops and other devices in the network.

Firewall is installed for web filtering and traffic control. Also used as proxy servers for all users. Different policies are defined for the user according the use. (like you tube, access, social media access, etc.) User internet usage are monitored and controlled by using firewall

Standard Racks are installed in Central Server Room as well as in each building for mounting network switches.

Core switch from the Central Server Room provides connectivity to each buildings main switch through OFC.

UPS located in Central Server Room provides UPS supply to all IT devices in the campus including EPABX, CCTV and end user Computers, Laptops etc.

▪ Infrastructure:

1. Standard designed separate Central Server Room with 24 hrs. Air Conditioning facility with 2 A.C. device which maintain the temperature automatically.

2. Three rack mounted servers of HP Proliant DL 180 G6

3. Firewall Fortigate 100D

4. Two number of D-Link network Switches

5. Emerson 60 kVA Libert Nxr UPS with battery bank of 40 no's of batteries.

- **Functioning - Central Server Room provide following services :**

1. File server Administration
2. DHCP Server Administration
3. Antivirus Server Administration
4. Biometric Application Server Administration
5. MOODLE Server (free and open-source learning management system) Administration
6. KOHA(open source Integrated Library System) Administration
7. Dspace (open source repository software) Administration
8. VLAB (Virtual Lab) Server Administration
9. Intranet Server Administration
10. Website Administration
11. User Email Accounts Management
12. Proxy User Accounts Management
13. Firewall Administration
14. Network Administrations
15. Backup Management
16. Patch Management
17. License Management
18. Password Management
19. Staff and Students ID Card Access Management
20. EPABX system Administration
21. CCTV Administration
22. ISP Vendor Co-ordination
23. Vendor Management
24. IT Assets Inventory Management
25. IT Assets Service Management

Mr. Ganesh N. Dervankar
IT Administrator
Central Server Room
VPMMPCOE, Velneshwar

Principal
VPM's Maharshi Parshuram College
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