

## IT facilities

Information Technology Centre (IT Centre) was established in year 2000 with an objective to create world class ICT infrastructure to facilitate Networking, Internet Services and Solutions for fulfilling Teaching, Research and Governance goals of the University. IT Centre received “My India Wi-Fi India Summit & Award - 2018” for the best enterprise Wi-Fi project in the country.

IT Centre has successfully installed and commissioned its campus wide network covering all University Teaching Departments (UTDs), administrative sections and hostels. The University has about 5000 network connections and 9000+ users covering buildings across two campuses. The University campus network named as DAVVNET consists of following three networks:

- 1.Campus wide Network (LAN) ( departments/sections, two campuses)
- 2.Campus Wi-Fi network (Takshashila and Nalanda campuses including Hostels)
- 3.Hostel LAN (12 hostels in two campuses)

University is providing Internet services to all stakeholders through 1 GBPS Internet lease line connectivity obtained from National Knowledge Network (NKN). This connectivity along with developed IT infrastructure has been successfully used in conducting several online interactive workshops held under NMEICT.

University is running several IT and network support services such as email and web service, Proxy and Firewall services for access control, LDAP as authentication service, DNS for name to IP resolution. These services are centrally managed by IT Centre.

University e-Governance services are also made available through University web portal. These services are online admissions, results, registrations, various forms and fees submission. The Wi-Fi connectivity in DAVV campus started in the year 2006 with few UTDs and Currently it is upgraded to provide Wi-fi connectivity in all UTDs, hostels and administrative departments.

The hostel LAN connects all 12 hostels of the University to IT Center through Optical fibre backbone. Every room of the hostel has provision of two network points thus giving one I/O connectivity to every student residing in hostel.

### **DAVV IT Infrastructure Enhancement during 2014-2020**

**1. Hostel LAN backbone:** Hostel network infrastructure was upgraded in the year 2015-16. This includes optical fibre backbone creation connecting 12 hostels of University. This work was carried out under NMEICT scheme with the total investment of Rs. 40 Lakh comprising of University contribution of worth Rs. 10 Lakh

**2. Networking in Hostels:** Commissioning of hostel LAN was completed in the year 2017 including the structured cabling of 1731 points in hostel rooms, installation of 42 switches. This

work was carried out by Madhya Pradesh State Electronics Development Corporation (MPSEDC), Bhopal

**3. Extension of Campus wide Network:** The LAN commissioning of 914 points was also completed during 2017 in newly constructed buildings in Takshashila campus. This included structured cabling of points in various UTDs, installation of 26 network switches. Besides this, 50 switches were replaced in the existing network. This work was carried out by MPSEDC.

**4. Hostel Wi-Fi Network:** There are total 125 AP points that have been installed in hostels and University campus.

**A total investment of Rs. 1.7 Crore has been made during 2014-19 which was debited from RUSA and UGC XII plan grants.**