

### 4.3.3 Bandwidth of Internet Connection in the institution

**Options: Opt One**

- A.  $\geq 50$  MBPS
- B. 35-50 MBPS
- C. 20-35 MBPS
- D. 5-20 MBPS
- E.  $< 5$  MBPS

Alva's Institute of Engineering and Technology (AIET) is struggling hard to keep up with the bandwidth demand. The campus has major requirements of user access control, control over bandwidth consumption, and differentiated policy control for management faculty's access and student's access. The campus with wired and wireless internet access requires seamlessly roaming facility to access internet from class room to library to labs and hostel blocks. Laying complete network with different vendor solution would be very costly effort and difficult to manage while technical issues. The institute requires cost-efficient comprehensive solution that offers all the advance facilities and features in single platform with single point of contact for technical support.

Currently, the institute comprises of **Deenet 1000 MBPS 1:1** leased line internet facility and backup internet of 150 MBPS 1:1 BSNL leased line.

The Campus is Wi-Fi enabled for the benefits of the students and faculty members with **255+ wired Wi-Fi access points** provided to cover the wireless range throughout the college and hostel premises.

The below table shows status of bandwidth of leased line connection

Number of Computers with access to internet	Bandwidth of leased line connection	LAN configuration and Speed
1277	Deenet 1000 MBPS	1 GBPS managed & unmanaged switch, Structured Cabling, 1 GPBS Speed LAN



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