

#### 4.3.1. Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Institute has given top priority to up-gradation of IT facilities for ensuring high-end teaching learning environment. Institute has updated hardware configurations and licensed software.

Institute ensures updates of IT infrastructure through suggestions and requirements from head of departments, IT In-charge and lab assistants after reviewing changes in course Requirements and current status of computer labs. Suggestions and requirements provided by HOD's, IT In-charge and lab assistants are reported to IQAC for review. As per suggestions of IQAC, updates of IT infrastructure are fulfilled by the Institute. Presently there are 680 desktop computers in working condition available to students. In order to provide full-fledged internet connectivity, Institute has 500 Mbps internet connection which is provided through Wi-Fi by using 9 access points. Internet connection is provided to students after registration of mobile and laptop MAC address. All computers of the Institute are connected through wired network and internet access is controlled through firewall. Institute has server room for systematic control on computer labs and for providing uninterrupted IT services for teaching and learning. Institute always review the current needs and accordingly internet bandwidth is upgraded from time to time. The Institute has subscribed "Microsoft Imagine Premium" from Microsoft Developer Network (MSDN). It is annually renewed by the Institute to utilize additional Microsoft Software and services, System Software and Application Software which are upgraded time to time by Microsoft Developer Network. Institute has updated server-client based antivirus quick heal technology, "Seqrite Endpoint Security" is activated for three years validity for 500 users.

The college has well established language laboratory to enhance communication skills of Students. Window servers are available for smooth conduct of various activities such as online examinations, hands on training, online competitive exams, etc. For uninterrupted computing, UPS is available in all computer laboratories.

IT infrastructure of Institute is as follows:

S.No	Particulars	Quantity
1	Desktop Computers	680
2	Printers	70
3	scanner	15
4	Laptop	60
5	Projector	36
6	UPS and Inverter	6*24KV
7	Server	5

8	Wi-Fi Access Point	40
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Up-gradation of bandwidth of internet connection is as follows:

Year	Internet Connection	Bandwidth
2021	DVPL,Hyderabad	500 Mbps

Support evidences for our justification is attached herewith for your kind perusal.



Sign of the Principal.  
PRINCIPAL

Malla Reddy Engineering College  
And Management Sciences  
Kistapur, Medchal, Medchal Dist- 501 401

<b>S.No</b>	<b>Description</b>	<b>Link</b>
1	Internet bandwidth Bill	<a href="#">VIEW DOCUMENT</a>
2	UPS and Inverter Pics	<a href="#">VIEW DOCUMENT</a>
3	Computer Bills	<a href="#">VIEW DOCUMENT</a>
4	Server Pics	<a href="#">VIEW DOCUMENT</a>
5	DVPL Copy	<a href="#">VIEW DOCUMENT</a>