4.4.2 Institution frequently updates its computer availability for students and IT facilities including Wi-Fi

Response:

SDCRI continuously upgrades its IT infrastructure to facilitate timely and accurate information to all its faculty, students and members. They are provided with facilities for undertaking the academic and co-curricular activities, project and research activities, community outreach programs, collaborative, administrative and financial evaluation activities. Significant elements of the IT upgrades done in last 5 years are as follows:

1. SDCRI is well-equipped, connected with computers for enhancement of the teaching and learning process. The institute has been provided round the clock Internet facility with high-speed Wi-Fi. Supported with 100 Mbps 1:1 ratio Broadband connection from BSNL and Jio fibre, BSNL data is available free with LAN and Wi-Fi network. Jio Fiber is paid network in the campus. This was updated from 16 Mbps to 100 Mbps.

2. All computers and audio-visual equipment are supported by UPS.

3. From the Data Center, the network is distributed to all constituent dental and medical Departments and Institute premises of SDCRI via 100 Mbps LAN and Wi-Fi routers

4. Server room is equipped with system 3.10 Ghz Xeon processor and 12 Gb RAM.

5. Computer facilities have been provided to each Department/Unit with peripherals and are connected through LAN/Wi-Fi. To make teaching and learning effective, there have been numerous updates to these computers, in regards to model, RAM, storage etc.

6. Smart Class Rooms have been made equipped with Interactive White Board with high-end acoustics and AC.

7. LCD projectors have been installed in all the Lecture Halls/Class Rooms to undertake Computer-Aided Teaching/Learning as well as for presentations.

8. Computer systems are in the possession of Institution. The computer systems are connected with wired LAN and equipped with upgraded and sufficiently good processors (minimum configuration dual-core processors); additionally Wi-Fi Network is operational in the entire campus of SDCRI with the collaboration of BSNL and Jio.

9. The entire campus is under CCTV Surveillance System and CCTV hardware is update and maintained with incoming technology.

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10. Biometric Attendance system is maintained.

11. The library and information services activities have been made fully automated using in Built application with integrated In/Out system.

12. The IT department is responsible for the regular maintenance of the dynamic website of the Institute as well as its administration.

13. The Institution deploys and upgrades the IT infrastructure and associated facilities whenever required. IT Department maintains the record of requirements received from Heads of Departments for implementation according to the budgetary allocations. After seeking the financial approval, quotations are invited followed by their scrutiny based on the configurations, cost, service, etc. The order for procurement is finalized and approved by BOM.

14. Routine maintenance of computers, peripherals, network devices, servers, etc. is carried out by the staff members of the department of IT.

15. Webhosting have been updated to a more secure cloud server in order to prevent hacking attacks and loss of data.

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