**Criterion 4 – Infrastructure& learning resources**

|  |  |
| --- | --- |
| **4.3.1** | **IT facilities updates-Details** |

**4.3 IT Infrastructure**

Institute take initiative to upgrade itself in providing IT facilities to students and faculty. With 409 computers in the year of establishment, the institute now has high end computers. The latest configuration of computer available in the institute is Dual core processor with 4GB RAM, 320/500 GB HDD, Dual core processor. All 409 systems now in SITAM are LAN connected. The institute has complete MSDN applications and system software’s.

The Institute started with Learning Management System, uLektz which offers hundreds of video content, course materials, and supports all aspects of Learning Management.

* **Hardware and Software Facilities**

**Sample (Upgrade as per SSCET)**

|  |  |  |
| --- | --- | --- |
| S.No. | Item & Configuration | Quantity |
| 1 | Number of systems with configuration | * HP: Intel Dual core, 2.9 GHz, 4GB RAM, 320GB HDD, 15” LCD * Lenova: Intel Dual core, 2.9 GHz, 4GB RAM, 320GB HDD, 18” LCD |
| 2 | Computer-student ratio | 1:1.81 |
| 3 | Dedicated computing facility | 424 |
| 4 | Wi-Fi facility | Yes, entire campus is Wi-Fi enabled |
| 5 | Propriety software / Open source software: | Microsoft Campus License, TCS iON, MATLAB, P spice, LT-Spice, T asm, Tanner Tool, Xilinx and analysis tools, Octave,Scilab,Ubuntu. |
| 6 | Number of nodes/ computers with internet facility | 424 |
| 7 | LAN facility : | 10/100 Mbps and 10/100/1000 |
| 8 | Any other: | 1. Automated admission process, Fee transaction, Learning Management System and ICT integrated evaluation through customized Campus Management Solution 2. SITAM Learning Management System (LMS), Moodle, is upgraded to **uLektz, a world class LMS**. |

**List of Licensed softwares**

| S. No. | Name of the Software | Licensed / Open Source |
| --- | --- | --- |
| Operating Systems | | |
| 1 | Microsoft Operating System | Licensed |
| 2 | Fedora Linux | Open Source |
| 3 | Ubuntu Operating System | Open Source |
| Application Software’s and Others | | |
| 1 |  |  |
| 2 | K-Van S/W | Licensed |
| 3 | Turbo C | Open Source |
| 4 | Putty 0.6.0 | Open Source |
| 5 | JOK 1.7 | Open Source |
| 6 | XAMPP 7.0.9 (Apache + PHP + Mysol) | Open Source |
| 7 | J2ME | Open Source |
| 8 | PC Studio | Licensed |
| 9 | P.SPICE | Licensed |
| 10 | Auto CAD | Licensed |
| 11 | Edge CAM | Licensed |
| 12 | Ansys 14.3 | Licensed |

Internet service was made available in the institute to students and faculty, with a bandwidth of 40 Mbps connection.