### 4.1.1. *The Institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.*

As per the norms of AICTE, Institute has adequate class rooms which are well equipped with Dais, Desks, Platform, Fans, Tube lights, Green board, White boards, P. A. System, LCD Projector, Podium and curtains. Each department has one smart board. For a better e-Learning and remote teaching experience, the new learning environment has created by adopting tools like 'Wacom Pen Tablet'. The Institute has multimedia facilities providing audio-visual equipments. AVIEW software is used to facilitate webinars, synchronous & asynchronous interaction.

The MOODLE is used to conduct tests based on the technical and training related topics. Akash Tablets are also used for content visualization, simulation and demo execution during the lecture. The MOOCs, Virtual Lab, Spoken Tutorial, NPTEL Videos, Webinars etc. are also used to enrich teaching-learning process.

Faculty members have separate/shared faculty rooms. Institute has an International Conference Hall which enables us to organize International Conferences, Workshops and other academic sessions. In order to organize big cultural events, Institute has an Open-Air Amphitheatre having capacity to accommodate around two thousand students at a time. Each department has well equipped laboratories with adequate instruments/ equipments to meet the curriculum as well as Program Outcomes. Recently, some labs have been modernized through five MODROB Grants received from AICTE and also Funds for improvement of Science and Technology (FIST) grant from DST. In addition to this, some of the laboratories are devoted to research and consultancy activities. The research lab is equipped with modern engineering tools like LASER cutting machine, 3D printing Machine, Rapid-I Vision System, CNC Micro-Station, 3-D Photo-Chemical Machining,etc. The Central workshop is spread over 776 sq.m having automated control of machining tools like CNC. To fulfil and support and solve the complex engineering problems, high end configuration computer workstations are available in Civil Engineering and Electronics and Telecommunication Department.

Internet connectivity of 1Gbps (1024Mbps) speed and Wi-fi connectivity is available throughout the entire campus. In order to maintain uninterrupted power supply, Institute has its own express feeder of capacity 11KV with transformer of 500 KVA connected to MSEB power station directly. A Roof Top Solar Power Plant has been installed which is working with capacity of 400 kW. In addition to this, Generators having capacities of 320 KVA and 15 KVA respectively, are available in the campus.