

2.3.4 Innovation and creativity in teaching-learning

- All the class rooms are equipped with LCD projectors.
- As per the requirement of the subjects, solid models of objects are used for explanation purpose
- Students are taken to respective laboratories for better understanding of subject, apart from classroom teaching in the conventional way.
- Faculty members handling a particular theory subject are preferably assigned to the practical classes related to the subject for making the students understand better.
- Students are encouraged to refer to e-books available in digital library and also in intranet facility.
- Notes of lessons are made available in hard/soft form in the departments.
- Apart from the major project work which is a part of the curriculum in fourth year, students in third year have to make mini projects or miniature models involving some working mechanisms.

Some of the facilities for effective teaching learning are mentioned below:

- Wi-Fi enabled campus
- ICT classrooms with internet facility and LCD projectors
- Access to e-journals apart from print journals
- Institution is recognized as a remote centre of IIT-BOMBAY for disseminating NME-ICT programs like STTP's and MOOC programs and Webinars
- The students and faculty members are encouraged to view NPTEL video lectures of eminent professors
- The institution is a recognized VTU e-learning centre for EDUSAT based distance education

The students and faculty are exposed to advanced level of knowledge and skills like:

- **Seminars:** The Institute conducts seminars, symposium and conferences periodically and students are encouraged to participate in these events. Students are also encouraged to participate in such programmes conducted by other institutions.
- **Workshops:** The Institute organizes several workshops/training programs for faculty and students by inviting experts from industry and academia.
- **Guest lectures:** The Institute invites the experts from industry & NGO to deliver the lectures on various ongoing issues and current happenings in the corporate world/Community to provide real time information and knowledge to the students.
- **Blended learning:** In addition to conventional method of teaching, the faculty members are encouraged to use the IT enabled learning tools such as PPT, Video clippings, Audio system, online sources, Simulation software, and projects to expose the students to combine advanced knowledge with practical learning.
- **Research Based Projects:** All courses of our college offers research based projects through undertaking dissertation through guided supervision.

- **Soft Skill:** The Soft skill and Personality Development programs are regularly conducted for the benefit of students
- **Faculty enablement programs:**

To enhance the knowledge and skills of the faculty members, the Institute frequently organizes FDPs, Workshops and training programmes on teaching pedagogy, general management and technical subjects. The Institute encourages and deputed the faculty members to seminars, conferences, workshops, FDP's and other developmental programmes organized by other Institutes and university to get exposure.