INNOVATIONS BY THE FACULTY IN TEACHING & LEARNING

The department has taken the following innovative steps in teaching and learning

- **SrishTI-Entrepreneurship program: (TI-AKTU MOU)**

  The department through this program encourages students to actively participate for developing strong linkages between state incubators and center of excellences to initiate start-up ventures. The aim is to encourage start-ups.

- **Activities undertaken under the aegis of e-Yantra:**

  Through e-Yantra program the faculty of the department is engaged in infusing an essence of innovation amongst the students by encouraging them to undertake various contemporary projects such as smart agriculture system, smart city projects i.e. gas leakage detection, smart warehouse management. The work on robotic research platform provided by IIT Bombay and department faculty guides them.

- **Panel Discussions:**

  The faculty of the department helps the student members of the departmental magazine team "Electrobytes" to initiate on regular intervals, some subject specific panel discussions in the classes. In these discussions the students are asked to solve quizzes and answer questions regarding subjects and faculty judges them through their responses. The aim is to make the students remember the vital concepts underlying important subjects that are relevant to either competitive examinations such as GATE or placements.

- **Code Debugging:**

  The Code debugging contests were carried out by Code Sparks society of the department to foster programming skills of the students.

- **Program (coding) based assignments:**

  The students were tested through coding-based assignments in digital image processing using software package MATLAB. Programming exercises were conducted for signal and systems and control systems to infuse interest amongst the students.

- **OBE Analysis:**

  The department conducts labs and assess students in laboratories through a continuous and systematic evaluation process wherein marks are awarded for punctuality, timely

evaluation of lab files, their involvement in the lab while conducting experiments and their knowledge about the experiment.