Department of Information Technology

Innovative Teaching Learning Practices

S. No	Item	Description
1	**E- Learning** **[ZOOM/ Google Meet/ Google Classrooms/ Google Form/ Web Ex Platform/ NPTEL]**	Online learning has ushered in an educational revolution, providing millions of people with affordable access to life-changing educational opportunities. Faculties of IT Department have adopted a wide range of virtual learning tools and software, including virtual tutoring platforms and learning management systems. **Google Classroom** turned out to be a popular choice for IT Department. It's a free app which works as an all-in-one online learning platform. Features include video conferencing for one-to-one tutoring, virtual classrooms, and shared drives for learning resources or work assignments. Google Classrooms allows teachers to take advantage of numerous helpful digital tools. Cross-reference capabilities built into the platform enables teachers to easily comb through assignments .All notes uploaded in GC help the students in their self learning. **Google Forms:** This application is used to gather information in a variety of contexts (surveys, quizzes, etc.). Its quiz feature can be enabled to block users from opening other windows. It also offers auto grading for multiple-choice tests. Faculty uses Google Forms in their classroom regularly; however, it became a daily application in their classes during distance learning. They have used it for pre-assessments, quizzes, and surveys. **Google Meet:** Teachers (or students) can share their screens for all participants to see as well as record the meeting. **ZOOM:** Zoom is the leader in modern enterprise video communications, with an easy, reliable cloud platform for video and audio conferencing, chat, and webinars across mobile, desktop, and room systems. Zoom provide whiteboard facility just like we do on chalkboard in traditional classroom teaching. Zoom is quite user friendly.

2	**E Content/ Consortium E-Library [MyLOFT subscription provided to colleges affiliated to AKTU]**	MyLOFT provides seamless & reliable access to the library & E-Resources. It also supports access to mobile app. All faculty of the department as well as students have registered themselves to MyLOFT and are taking benefit of E-books, research papers etc. This facility helps the students to enhance self learning practices. Final year students uses research papers from MyLoft for their project's literature survey where as third year students take advantage of these research papers for identification of problem area to choose the project for next year.
3	**Video Lectures**	Faculties are also recording video lectures of important topics for their students so that they can refer these topics anytime they want.
4	**Expert Lectures, Industrial Visits, Webinars, Workshops, SDP**	Expert Lectures and Workshops are conducted by the department to give the students key insight into recent trends & Technology. Along with these activities, visit to Industry like TCS has been conducted for IT students so that they can get understand current Industry demand and prepare themselves accordingly. Webinars and Student Development programs have also organized for students by CSI student chapter to enhance their learning.
5	**Flip Learning**	Flip Learning helps in improving self learning among students. In flip teaching, faculty tells the students the topic to be discussed in the next class in advance. Students research on this topic before coming to the class. In the class, there will be discussion on the given topic where teacher puts the problems, case study etc and students' response whatever they have learnt through research.
6.	**Peer to Peer Learning**	In peer to peer learning, faculties give topics of course to senior students or of the same class and these students give presentation & discuss the contents within the class. This helps students to improve self learning and their presentation skills including communication.
7.	**Project Based Learning**	Project based learning facilitates the students to gain practical knowledge which helps them to get ready for industry.
8.	**Student Presentation**	In some of the subjects, students give presentation to their classmates and they help them to elevate their confidence level and learning process.