VIGNAN'S LARA
INSTITUTE OF TECHNOLOGY & SCIENCE
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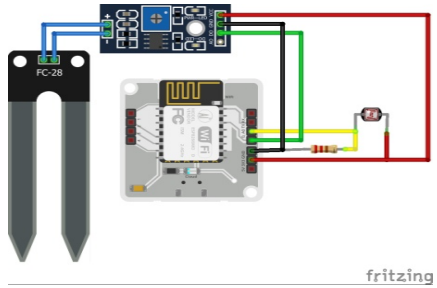
Department of Information Technology

Innovations By the faculty in Teaching Learning			
Innovative method	**Process**	**Outcomes**	**Supporting Information**
Mini projects	• Students are motivated to identify the problem related to in and around the society and solving with the help of laboratory resources and faculty	• It creates an opportunity to transform the theoretical knowledge into working models.	 IOT Model

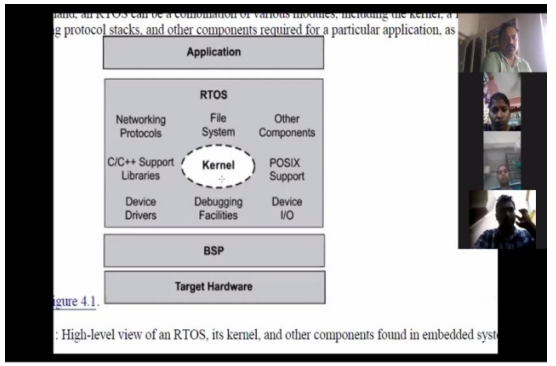
Online learning	• Students are motivated to learn through NPTEL, Course era, etc., • The students are evaluated on a common platform of learning environment.	• It creates self - learning environment Students have successfully completed the several NPTEL certification courses. • The students gain interdisciplinary knowledge	 NPTEL Certificate
Modular courses	• To make the students skill oriented, Students are encouraged to do courses offered by the industries. • Few elite courses are offered during winter / summer breaks for advanced learners.	• Gap between the industry and academics will be filled • Make the students industry ready.	 Students involved in Modular Courses

Peer Learning	• Mentors have been identified based on their academic performance • Mentors support mentees, who are lagging in their academic performance.	• Mentees will be attaining improvements in their academics. • Leadership quality is enabled among the mentors.	 Active participation of IT students in Peer Learning.
ICT Facility	• To make the teaching learning process more effective through audio visuals. • To make the content of the course is easy to understand.	• Classroom dynamics will be enhanced. • Learning rate of the class will be increased.	 ICT Presentation

Student Seminars	• The overall objective of this activity is to motivate students for Self-study and Group Study.	• This best practice enhances the listening ability. • Fosters team skills and leadership skills among students. • Team building of students grows as they work in a Team. • The communication skills are built up through Oral Communication in seminars. • Students take responsibility while working in a team. • Sharing of Knowledge uplifts while preparing. • For delivering seminars, students prepare, produce and use visual aids for presentation.	 Student Seminar Presentation

RPT (Revision Practice Test)	• Revise the topics unit wise by faculty. • Practicing the topics by the Students • Conduct the test after Practicing the topics by students	• To make students pass in university end examinations	 Students of IT In RPT Classes.
Vlits Moodle	• To provide easy access to the Content. • To provide a web-based personalized environment for easy learning. Lecture notes, PPTs, Video links, Previous question papers, GATE question papers are uploaded in the Moodle server, website link: www.vlitsmoodle.in	• The students are getting easy access of the curriculum study material facilitates the students to access the content from any location easily. • Helps the teachers to upload content into a single repository. • By adopting this practice, it is observed that the pass percentage rate increased.	Moodle Platform for accessing course materials

Blended Learning	• Blended learning is an approach to education that combines online educational materials and opportunities for interaction online with traditional place-based classroom methods.	• Access to global resources and materials that meet the students' level of knowledge and interest. • Self-pacing for slow or quick learners reduces stress, increases satisfaction, and information retention.	 Students are actively participated in Blended Learning
Flipped Learning	• To make the students more attentive and active in learning. • Relevant materials are provided in advance. • It enables the students towards self-learning.	• Course understanding and interpretation improves. • Able to apply the knowledge in real time applications.	 Flipped learning Environment

Virtual Class Room& e-learning	• Voluntarily a paradigm shift took place in the field of education and we flipped to online teaching and testing to fill the gap due to Covid-19 pandemic. • We have used the platforms like ZOOM and WebEx to interact with students of the entire class as a whole and led a virtual classroom used Google sheets to conduct exams	• No deviation of academic calendar. • Both faculty and students experienced direct interaction thus beat COVID-19. • It is observed that absenteeism is minimized during these sessions.	 Students are Participated in ZOOM class.