VIGNAN'S LARA
INSTITUTE OF TECHNOLOGY & SCIENCE
Approved by AICTE New Delhi & Affiliated to JNTUK Kakinada
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Department of Electrical and Electronics Engineering

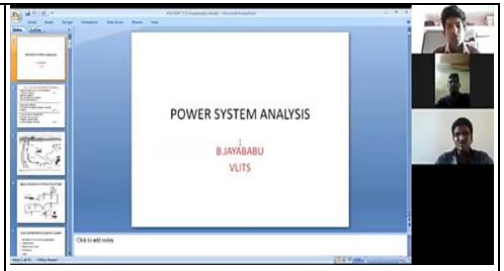
Innovations by the Faculty in Teaching and Learning

Innovative method	Process	Outcomes	Supporting Information
Flipped Learning	• To make the students more attentive and participative in learning this method was implemented • Relevant materials were provided in advance. • It enabled students towards self-learning.	• Course understanding and interpretation improves learning of the students. • Students are to apply the knowledge in real time applications.	 Flipped Learning

Peer Learning	• Identification of student mentors based on Academic performance. • Mentors support mentee, who are lagging in academics.	• Mentors are going to perform better in their academics. • Leadership quality is developed among the mentors.	 Peer Learning
Online Learning	• Students are motivated to learn from NPTEL, Coursera etc., • The students are evaluated on a common learning environment.	• The students can learn globally, be confident competitive and ready to solve realistic problems	 Online Learning
RPT (Revision, Practice, Test)	• Revise the topics unit wise by the faculty. • Practicing topics by the students Conduct the test after practicing the topics by students	• To make students to pass in the university end examinations	 Revision – Practice -Test

Blended Learning	• Blended learning is an approach to education that combinesonline educational materials with face to face interaction. • It provides more opportunities for interaction online with traditional classroom methods.	• Access to global resources and materials that meet the students' level of knowledge and interest. • Selfpacing,for slow or quick learner s reduce stress, increases satisfaction, better information retention.	 Blended Learning
VLITS Moodle	• To provide easy access to the content. • To provide web based personalized environment for easy learning. • Lecture notes, PPTs, Video links, Previous question papers, GATE question papers are uploaded inMoodle server.	• The students are getting easy access of the curriculum study material • Facilitates students to access the content from any location easily. • Helps teachers to upload content into a single repository. • By adopting this practice it is observed that the pass percentage rate is increased.	VLITS Moodle
Mini Project	• Students are encouraged to identify the problem related to in and around the society and the problem is solved with the help of laboratory resources and faculty guidance.	• It creates ample opportunities to transform the theoretical knowledge into working models.	 Mini Project

Modular Courses	• Add-on courses are supplementing the regular curriculum of Undergraduates • To provide hands-on-training in specific skills. • Get chance to improve skills by doing add-on courses with industry and global collaborative universities.	• The students are being exposed to PLC Programming and PCB which helps them understand trending upcoming technologies.	 Modular Courses
Student Seminars	• The overall objective of this program is to motivate students for Self-learning and peer learning process.	• This practice improves Listening and speaking skills. • The communication skills get build up through oral communication in seminars. • Student takes responsibility while working in a team. • Sharing of knowledge uplifts while preparing. • Students learn time management skill. • Students learn to share, negotiate, and convince in the feedback session. • For delivering seminars students prepare, produce and use apt visual aids for effective presentation.	 Student Seminars

Virtual Class Room & e-learning	• Voluntarily a paradigm shift has taken place in the field of education and we flipped to online teaching and testing to fill the gap due to COVID-19 pandemic • Virtual platforms like ZOOM are used to interact with a whole and led the virtual class room successfully	• No deviation of academic calendar • Both faculty and students experienced direct interaction thus able to beat COVID-19 • It is observed that absenteeism is minimized during these sessions	 Virtual Class Room & e-learning