

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HYDERABAD

(An Autonomous Institution)

Department of Civil Engineering

Teaching and Learning Methods

Academic Year 2018-2019

S.No	Faculty Name	Subject	Topic	Innovative methods adopted	Goals	Preparation	Significance of Result	Availability of review and critique	Reproducibility and Reusability
1	K. Roja	Geotechnical Engineering	Compaction & Consolidation	V-Labs	To improve the quality of necessary practical skills	The help of V labs portal has been taken to select the appropriate topic	Students can understand the concept easily	Report on concept demonstrate will be available for the references	Different materials and methodology can be applied
2	Dr. Pallavi Badry	Introduction to Earthquake Engineering	Plate Tectonics & Shear wave Propagation	Visualization	To involve students in an active learning process	Need to download animation/videos related to the concept	Students will understand the concepts easily	Report on videos will be made available for reference.	Same animations can be used for the upcoming years

3	Dr. Pallavi Badry	Building Materials, Construction and Planning	Masonry Bonds & Brick tests	Visualization	To involve the students in learning concepts actively	Downloading the interesting animations for the concept	It enhances the student's interest towards the subject	Report on concept demonstrate will be availed for the references	It is reusable for upcoming years. The students can refer it several number of times
4	Vithal Biradar	Smart City	Smart bins & Smart Water Meter	Model Based Learning	To make students visualize the technical concepts	Smart bins & Smart Water Meter is presented by students to ensure innovative and technical aspect	Level of understanding of technical concepts of students is portrayed	Report on concept demonstrate will be availed for the references	Models can be reused while teaching the same topic
5	K.Roja	Structural Analysis-I	Moment distribution method for continuous beam, propped cantilever beam	Think Pair and Share	Able to know the structural behaviour	Need to work on suitable methods	Students are able to calculate shear force and bending moment diagrams	-	Students will be able to solve the problems of slope deflection and moment distribution method

6	B. Divya Vani	DRCS	Slab reinforcement (crancker rods) beam and column reinforcement	Field visit to E block	Able to understand the placement of bars and its design analysis	Basics of structural elements and its analytical aspects	Understand the reinforcement installation in concrete elements	Nearby sites(E block VJIT)	Continuous learning and illustration in practical site
7	Vithal Biradar	Green building technology	Green building assessment	Demonstration based learning	Able to understand the assessment of green building	Assessment by using the prior prepared sheet	Able to understand the assessment under IGBC	Report on concept demonstrate will be availed for the references	Helpful at the time of case study


Faculty Incharge


HOD/CE