

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HYDERABAD

(An Autonomous Institution)

Department of Civil Engineering

Teaching and Learning Methods

Academic Year 2019-2020

S.No	Faculty Name	Subject	Topic	Innovative methods adopted	Goals	Preparation	The significance of Result	Availability of review and critique	Reproducibility and Reusability
1	Dr. Pallavi Badry	Geotechnical Engineering	Properties of Soil	Demonstration Based Learning	To demonstrate the concept with some results	Accessories need to make ready for that concept	Enhances the analysis capacity	Report on concept demonstrate will be available for the references	The accessories can be reused for upcoming years with additional consumables
2	T. Deepika	Geotechnical Engineering	Mass-Volume Relationships	Demonstration Based Learning	To make students understand through practical views of technical concepts	Preparing the concept through photos in the form of presentations	The level of understanding of technical concepts of the students is depicted	Report on concept demonstrate will be available for the references	It is reusable for the upcoming years
3	Dr. Kamalini Devi	Ground Water Hydrology	Ground water recharge and roof water harvesting	Model Based Learning	To make students understand through the model	Guiding the students for preparing the model for a	It enhances the understanding capacity and analysis	Report on concept will be available for the	It will be useful for the upcoming students in preparation of

			system		preparation	concept	ability	references	models through understanding
4	E. Giri Prasad Goud	Engineering Geology	Rock & Mineral Properties	Demonstration Based Learning	To demonstrate the physical properties of the rocks through physical visualization.	Students will come with the basic preparation on a topic	Individual students can identify the properties	Report on concept demonstrate will be availed for the references	Basic knowledge will reflect while doing projects
5	K. Roja	Fluid Mechanics	Surface tension	Demonstration Based Learning	To get the clear idea about the concept	Reference videos and object source are interrelated	The level of understanding of technical concepts of the students is depicted	Report on concept demonstrate will be availed for the references	It can be modified by other methodologies
6	Dr. Pallavi Badry	Building Materials and Construction	Bricks & Bonding Systems	Demonstration Based Learning	To demonstrate the concept with the same result	Accessories need to arrange	Enhances the learning and analysis skills in students	The report can be developed and make available for review	Accessories Can be reused for upcoming years
7	Dr. Pallavi Badry	Building Materials and Construction	Brick Classification as per IS	Flipped Classroom	To involve students in self understanding abilities	Topic need to be released for preparation	Improves the understanding skill of students	Report can be developed and make available for review	Can be reused for upcoming batches
8	K. Satyanarayana	Environmental Engineering	Water treatment units	Field Visit	To make students to understand	Preparation for the designing of	Understanding the real time design	Report on concept demonstrate	Students of upcoming batches can

					the practical view of treatment units	treatment units		will be available for the references	refer the report or Field visit can be rearranged
9	Dr. Pallavi Badry	Building Materials and Construction	Different types of Cement and its uses in Construction	Mind Mapping	Involve students in learning with self study concept	Need to work on suitable topic where technique is suitable	Improve conceptual understanding with linking and drawing abilities	The map will be made available for review	The map can be reused for upcoming batches to make understand the concept of mind mapping
10	P.Naga Mohan	Strength of Materials - II	Load carrying capacity of columns	Think Pair and Share	To know the validity of different theories	Formation of batches	Enhances the analysis of columns	-	Basic knowledge will reflect while doing the project
11	Dr.N.Sudharsan	Structural Analysis	Slope deflection and moment distribution method for continuous beams	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
12	A. D.Sandeep	Highway Engineering	Speed and delay studies	Field visit	To make students understand in practical view	Formation of batches	Students are exposed to onsite practical knowledge	-	Basic knowledge will reflect while doing knowledge


Faculty Incharge


HOD/CE