

VIDYA JYOTHI INSTITUTE OF TECHNOLOGY, HYDERABAD

(An Autonomous Institution)
Department of Civil Engineering

Teaching and Learning Methods

Academic Year 2017-2018

S. No	Faculty Name	Subject	Topic	Innovative methods adopted	Goals	Preparation	Significance of Result	Availability of review and critique	Reproducibility and Reusability
1	Dr. Pallavi Badry	Geotechnical Engineering	Settlement Analysis	Case Based Learning	To give the different facets of basic concepts of "Settlements"	Preparation of case discussion in presentation form	Application of concepts can be overviewed.	Report on concept demonstrate will be availed for the references	The case can be reused every time while teaching the same topic
2	T. Deepika	Geotechnical Engineering	Compaction	Visualization	Creating a virtual learning environment to give basic understanding	Preparation of videos makes the students to understand in practical thinking	Students are exposed to the practical knowledge of thinking	Report on concept demonstrate will be availed for the references	Concepts can be stored & viewed by the students

3	T. Sarada	Smart City	Smart housing & smart electricity	Mind Mapping	It is a platform to enhance their knowledge	Different groups will discuss the concept and they will prepare on paper	Different ideas can be shared, and they can present well in their exams	Report on concept demonstrate will be availed for the references	It can also have a new look to represent
4	Divya Vani	Remote Sensing & Geographic Information System	Sensors and Scanners	Visualization	To show the difference between various kinds of sensors and scanners along with their functioning	Videos have been downloaded to show the working of along and across scanners	Students will be able to differentiate between sensors and scanners and also understand various kinds of scanners	Report on concept demonstrate will be availed for the references	Students can be able to identify and obtain information by selecting from the various sensors and scanners based on specific objective
5	V. Swathi	Estimation & Costing	Bar Bending Schedule	Field Visit to VJIT E block	Understanding the technical concepts of field work	Students can be taken to the site and interact with engineers	Students can be exposed to the constructional practices	Report on concept demonstrate will be available for the references	Students of upcoming batches can refer the report or Field visit can be rearranged
6	Dr. Archanaa Dongre	Strength of materials – II	Thin Cylinders & Thick Cylinders	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

7	G. Sreeja	Environmental engineering	Wastewater treatment	Think Pair and Share	Students will be able to know the different types of treatment methods	Formation of batches	Enhances various treatment plants	-	Basic knowledge will reflect while doing the project
8	Dr. C. Krishna Raju	RS & GIS	Components of GIS and types of data	Think Pair and Share	Students will be able to explore the various types of data	Need to know basics of data types	Students will be able to extract or differentiate spatial and attribute data	Examples of various soft copy and hard copy details	Previous years data can be reviewed or present batch students data can be acquired

Faculty Incharge



HOD/CE

