KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN
Session (2022-2023)

Discipline: Civil Engineering	Semester: 6th, S/2023	Name of the Faculty:Suchismita Padhi Email:Suchismita.padhifce@kp.kiit.ac.in
Subject: Land Survey Practice -II	No. of Days/week: 02	Start Date: 13/02/2023 End Date: 23/05/2023

Week	Class Day	Theory Topics
1st	1st	TRIGONOMETRICAL SURVEYING & TACHEOMETRY Determination of height of 3 objects whose bases are accessible
	2nd	Determination of stadia constants
2nd	1st	Record checking /viva
	2nd	Determination of horizontal distance an elevation with Staff vertical, by stadia method
		SETTING OUT CURVES AND SITE SURVEYING Setting out a simple circular curve by offsets from long chord Setting out a simple circular curve by offsets from the tangent
3rd	1st	Record checking /viva
	2nd	Setting out a simple circular curve by offsets from chords produces
4th	1st	STUDY OF MAP AND MAP SERIES Physical Map Topographic Map
	2nd	Road Map Political Map
5th	1st	Economic & Resources Map Thematic Map
	2nd	Climate Map Open Series map and Defence Series Map
6th	1st	STUDY ON GPS & DGPS AND ETS GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods

	2nd	DGPS: - Differential Global Positioning System Base Station Setup Rover GPS Setup Download, Post-Process and Export GPS data
7th	1st	Sequence to download GPS data from flashcards Sequence to Post-Process GPS data Sequence to export post process GPS data Sequence to export GPS Time tags to file
	2nd	ETS: - Electronic Total Station Distance Measurement Angle Measurement Levelling
8th	1st	Doubt Clearing
	2nd	Determining position Reference networks Errors and Accuracy
9th	1st	Doubt Clearing
	2nd	STUDY OF GIS AND MAP PREPARATION USING GIS Components of GIS, Integration of Spatial and Attribute Information
10th	1st	Doubt Clearing Three Views of Information System
	2nd	Spatial Data Model Database or Table View, Map View and Model View
11th	1st	Record Checking / Viva
	2nd	Attribute Data Management and Metadata Concept
12th	1st	Record Checking / Viva
	2nd	Editing the layers Switching to Layout View
13th	1st	Record Checking / Viva
	2nd	Editing the layers Switching to Layout View
14th	1st	Record Checking / Viva
	2nd	Change page orientation Removing Borders
15th	1st	Record Checking / Viva
	2nd	Adding and editing map information Finalize the map