

LESSON PLAN OF SUBJECT - LAND SURVEY PRACTICE 2 OF 6 TH SEM FOR SUMMER -2025 (FROM DT 04/02/2025 TO 17/02/2025) NAME OF THE TEACHING FACULTY - ASPRUHA DEHURY

Date	WEEK NO.	TOPIC TO BE COVERED	PERIODS ASSIGN ED PER TOPIC	PERIODS AVAIL ABLE PER WEEK
04.02.25 TO 08.02.25	W-1	1.0 TRIGONOMETRICAL SURVEYING & TACHEOMETRY: : 1.1 Determination of height of 3 objects whose bases are accessible 1.2 Determination of stadia constants 1.3 Determination of horizontal distance an elevation with Staff vertical , by stadia method	10	5
10.02.25 TO 15.02.25	W-2			5
17.02.25 TO 22.02.25	w-3	2.0 SETTING OUT CURVES AND SITE SURVEYING: 2.1 Setting out a simple circular curve by offsets from long chord 2.2 Setting out a simple circular curve by offsets from the tangent 2.3 Setting out a simple circular curve by offsets from chords produces 2.4 Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles) Setting out a site the center line and foundation width of a building from the given plan 2.5 Setting out the	10	5
24.02.25 TO 01.03.25	W-4			3
03.03.25 TO 08.03.25	W-5	3. STUDY OF MAP AND MAP SERIES: 3.1 Physical Map 3.2 Topographic Map 3.3 Road Map 3.4 Political Map 3.5 Economic & Resources Map 3.6 Thematic Map 3.7 Climate Map 3.8 Open Series map and Defense Series Map 4. STUDY ON GPS & DGPS AND ETS	10	3
10.03.25 TO 15.03.25	W-6			5
17.03.25 TO 22.03.25	W-7	4.1 GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods 4.2 DGPS: - Differential Global Positioning System 4.2.1 Base Station Setup 4.2.2 Rover GPS Set up 4.2.3 Download, Post-Process and Export GPS data 4.2.4 Sequence to download GPS data from flashcards 4.2.5 Sequence to Post-Process GPS data 4.2.6 Sequence to export post process GPS data 4.2.7 Sequence to export GPS Time tags to file 4.3 ETS: - Electronic Total Station 4.3.1 Distance Measurement 4.3.2 Angle Measurement 4.3.3 Leveling 4.3.4 Determining position 4.3.5 Reference networks 4.3.6 Errors and Accuracy	25	5
24.03.25 TO 29.03.25	W-8			5
31.03.25 TO 05.04.25	W-9			2
07.04.25 TO 12.04.25	W-10			5
14.04.25 TO 19.04.25	W-11			5
21.04.25 TO 26.04.25	W-12			5. STUDY OF GIS AND MAP PREPARATION USING GIS 5.1 Components of GIS, Integration of Spatial and Attribute Information 5.2 Three Views of Information System 5.2.1 Database or Table View, Map View and Model View 5.3 Spatial Data Model
28.04.25 TO 03.05.25	W-13	5		

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08.05.25 TO 10.05.25	W-14	5.4 Attribute Data Management and Metadata Concept 5.5 Prepare data and adding to Arc Map. 5.6 Organizing data as layers. 5.7 Editing the layers. 5.8 Switching to Layout View. 5.9 Change page orientation. 5.10 Removing Borders. 5.11 Adding and editing map information. 5.12 Finalize the map	20	5
12.05.25 TO 17.05.25	W-15			2

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