

<p style="text-align: center;">GOVERNMENT POLYTECHNIC JAIPUR A/ P: Ragadi, Block: Korei, Dist.: Jajpur, Odisha- 755019 Website: https://www.gpjajpur.org E-mail: principalgpjajpur@yahoo.co.in</p>		
DEPARTMENT OF MINING ENGINEERING		
LESSON PLAN		
Discipline: MINING	Semester: 4th	Name of the Teaching faculty: SOUMYA RANJAN SAMAL
Subject: Pr.1 . MINE SURVEY – II LAB	No of Days/Week class allotted: 6	Semester from Date: 04/02/25 To Date: 17/05/25 No of weeks: 15
Week	Class Day	Topics
1st	Group1(3p)	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.
	Group1(3p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
2nd	Group1(3p)	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.
	Group1(3p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
3rd	Group1(3p)	Set out curves by Total Station and Theodolites
	Group1(3p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
4th	Group1(3p)	Correlate underground and surface survey during survey camp.
	Group1(3p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
5th	Group1(3p)	Correlate underground and surface survey during survey camp.
	Group1(3p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
6th	Group1(3p)	Measurement of Horizontal & Vertical angles, measurement of distance by Total Station.
	Group1(3p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
7th	Group1(3p)	Mining lease boundary survey using Total Station
	Group1(3p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
8th	Group1(3p)	Base line fixation using Total Station.
	Group1(3p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
9th	Group1(3p)	Coordinate point shifting and reference point shifting by Total Station
	Group1(3p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
10th	Group1(3p)	Fixation of control point by 02 traversing (both Horizontal and Vertical control points) with Total Station and auto level.

	Group1(3p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
11th	Group1(3p)	Topographic survey & existing features.
	Group1(3p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE
12th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
13th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
14th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
15th	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(3p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE

Soumya Ranjan Samal
Signature of Faculty