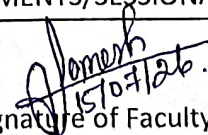


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DEPARTMENT OF MINING ENGINEERING DEMONSTRATION PLAN (WINTER-2026)		
Discipline: MINING	Semester: 5th	Name of the Teaching faculty: SOMESH JENA
Subject: Pr.1 MINE DESIGN LAB	No of Days/Week class allotted: 4	Semester from Date: 01/07/26 To Date: 05/11/26 No of weeks: 15
Week	Class Day	Topics
1st	Group1(2p)	Layout of manual bord and pillar method
	Group2(2p)	Layout of manual bord and pillar method
	Group1(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE
2nd	Group1(2p)	Layout of mechanised bord and pillar method (LHD/SDL/Continuous miners etc)
	Group2(2p)	Layout of mechanised bord and pillar method (LHD/SDL/Continuous miners etc)
	Group1(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE
3rd	Group1(2p)	Layout of long wall advancing method.
	Group2(2p)	Layout of long wall advancing method.
	Group1(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE
4th	Group1(2p)	Layout of long wall retreating method.
	Group2(2p)	Layout of long wall retreating method.
	Group1(2p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE
5th	Group1(2p)	Layout of shovel-dumper combination.
	Group2(2p)	Layout of shovel-dumper combination.
	Group1(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE
6th	Group1(2p)	Formation of benches in open cast mines as per coal mine regulations.
	Group2(2p)	Formation of benches in open cast mines as per coal mine regulations.
	Group1(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE
7th	Group1(2p)	Pit top and Pit bottom layout of u/g coal mine.
	Group2(2p)	Pit top and Pit bottom layout of u/g coal mine.
	Group1(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE

8th	Group1(2p)	Pit top and bottom layout of u/g metal mine
	Group2(2p)	Pit top and bottom layout of u/g metal mine
	Group1(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE
9th	Group1(2p)	Manpower calculation and OMS in assumed mine.
	Group2(2p)	Manpower calculation and OMS in assumed mine.
	Group1(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE
10th	Group1(2p)	Design of Haul roads
	Group2(2p)	Design of Haul roads
	Group1(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
	Group2(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE
11th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
12th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
13th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
14th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
15th	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group1(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
	Group2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE
 Signature of Faculty		