

**DEPARTMENT OF MINING ENGINEERING**

**DEMONSTRATION PLAN**

<b>Discipline: MINING</b>	<b>Semester: 4th</b>	<b>Name of the Teaching faculty: PRABHUDUTTA MISHRA</b>	
<b>Subject:Pr.2 (MINE VENTILATION LAB)</b>	<b>No of Days/Week class allotted: 4p</b>	<b>Semester from Date: 22/12/26</b>	<b>To Date: 18/05/26</b>
		<b>No of weeks: 15</b>	
<b>Week</b>	<b>Class Day</b>	<b>Topics</b>	
<b>1st</b>	Group1 & 2(2p)	Determine the relative humidity by stationary hygrometer.	
	Group1 & 2(2p)	EXPT-1-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>2nd</b>	Group1 & 2(2p)	Determine the relative humidity by storrow's hygrometer.	
	Group1 & 2(2p)	EXPT-2-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>3rd</b>	Group1 & 2(2p)	Determine the cooling power of mine air using Kata thermometer.	
	Group1 & 2(2p)	EXPT-3-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>4th</b>	Group1 & 2(2p)	Study and sketching of air crossing.	
	Group1 & 2(2p)	EXPT-4-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>5th</b>	Group1 & 2(2p)	Study & use of Vane Anemometer.	
	Group1 & 2(2p)	EXPT-5-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>6th</b>	Group1 & 2(2p)	Study & use of Digital Anemometer.	
	Group1 & 2(2p)	EXPT-6-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>7th</b>	Group1 & 2(2p)	Study of constructional features of axial flow fan.	
	Group1 & 2(2p)	EXPT-7-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>8th</b>	Group1 & 2(2p)	Determination of fan characteristic curve.	
	Group1 & 2(2p)	EXPT-8-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>9th</b>	Group1 & 2(2p)	Study and sketching of regulator & airlocks.	
	Group1 & 2(2p)	EXPT-9-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>10th</b>	Group1 & 2(2p)	Study and use of Pitot static-tube measurement of quantity of air flow.	
	Group1 & 2(2p)	EXPT-10-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>11th</b>	Group1 & 2(2p)	Study of constructional features of centrifugal fans and reversal arrangement.	
	Group1 & 2(2p)	EXPT-11-RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>12th</b>	Group1 & 2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1 & 2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>13th</b>	Group1 & 2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1 & 2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>14th</b>	Group1 & 2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
	Group1 & 2(2p)	RECORD EVALUATION/SESSIONAL/VIVA VOCE	
<b>15th</b>	Group1 & 2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE	
	Group1 & 2(2p)	REDEMONSTRATION OF EXPERIMENTS/SESSIONAL/VIVA VOCE	
 <b>Signature of Faculty</b>			