

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	MMC307	MINING MACHINERY LAB (HEAVY MACHINERY LAB + MODEL LAB + MATERIAL HANDLING LAB +GEOTECHNICAL LAB)	0	0	2	02

1.	Estimation of discharge rate in bunkers with different hopper angles.
2.	Estimation of discharge rate in electro-magnetic vibrating feeder for different materials.
3.	To study the construction and operation of turbocharged diesel engine used in open-pit equipment.
4.	To find out the angle of friction for different materials.
5.	Study of belt conveyor, screw feeder and mechanical feeders.
6.	Study of Longwall Face layout & Related Equipment.
7.	White metal socketing onto wire ropes.
8.	Dismantling and assembly of jack hammer drill machines.
9.	Determination of breaking strength of steel wire ropes.
10.	To determine compressive strength of rocks masses.
11.	To determine elastic modulus of rocks masses.
12.	To determine fracture toughness of rock samples.