

5th Semester.

Subj: - Entrepreneurship management and, Smart technology.

S/No	Serial No.	Module	Unit Details	Unit Date	Center
1	1/1	Entrepreneurship	Concept/meaning of entrepreneurship Need of entrepreneurship.	17/9/22	
2	1/2	-do-	Characteristics, Qualities and types of entrepreneur, functions and	18/9/22	
3	1/3	-do-	Barrier in entrepreneurship	19/9/22	
4	1/4	-do-	Entrepreneurs vs Manager	15/9/22	
5	1/5	-do-	Form of Business Ownership: sole proprietorship, partnership and others.	19/9/22	
6	1/5	-do-	Form of Business ownership: sole proprietorship, partnership and others.	20/9/22	
7	1/7	-do-	Types of industries and concept of start-ups	21/9/22	
8	1/8	-do-	Entrepreneurial support agencies at National, State, District level; DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc	22/9/22	
9	1/8	-do-	Entrepreneurial support agencies at National, State, District level: DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC, etc	26/9/22	
10	1/10	-do-	Technology business incubator (TBI) and science and Technology enterprise Park.	27/9/22	

SUB: - mine Hazards and Safety

Sl. No.	Lesson	Module	Unit Details	Lesson	Status
1	Lesson 1/1	Mine Gases and Gas Testing	Composition of atmospheric air, Different mine gases.	12/9/22	
2	Lesson 1/2	- do -	Properties and physical effects of mine gases	13/9/22	
3	Lesson 1/3	- do -	Describing firedamp, blackdamp, stinkdamp white damp and afterdamp in mines.	14/9/22	
4	Lesson 1/4	- do -	Describing flame safety lamp & its working Principle	15/9/22	
5	1/5	- do -	Explaining gas testing by flame safety lamp by accumulation test and percentage test and precautions for gas testing.	19/9/22	
6	1/6	- do -	Describing various parts of flame safety lamp, special features and limitations of flame safety lamp.	20/9/22	
7	2/1	Emission of fire damp in working	Describing gradual exudation	21/9/22	
8	2/2	- do -	Describing gradual exudation.	23/9/22	
9	2/3	- do -	Describing blower.	26/9/22	
10	2/4	- do -	Describing out bursts	27/9/22	
11	2/5	- do -	Describing out bursts	28/9/22	
12	2/6	- do -	Describing out bursts.	30/9/22	

5th semester

Sub-merge legislation and general safety - I

Serial no	Module	Topic details	Complete	Status
1	1/1	mines Act 1952	short title, extent, commencement and definitions	12/9/22
2	1/2	-do-	Definitions	17/9/22
3	1/3	-do-	Inspector and certifying surgeons	15/9/22
4	1/4	-do-	Inspector and certifying surgeons	16/9/22
5	1/5	-do-	committees	19/9/22
6	1/6	-do-	committees.	21/9/22
7	1/7	-do-	mining operation and management of mine	22/9/22
8	1/8	-do-	mining operation and management of mine	23/9/22
9	1/9	-do-	Provision as to health and safety	26/9/22
10	1/10	-do-	Provision as to health and safety	28/9/22
11	1/11	-do-	Provision as to health and safety	29/9/22
12	1/12	-do-	Hours and limitation of employment	30/9/22
13	1/13	-do-	Hours and limitation of employment	10/10/22
14	1/14	-do-	Leave with wages	12/10/22
15	2/1	mines Act 1952	short titles and application and definitions	13/10/22
16	2/2	-do-	committees.	14/10/22
17	2/3	-do-	Court of inquiry	17/10/22

Subj: - mine machinery - 1

S/N	Leaf No	Module	Leaf Details	Leaf Date	Status
1	1/1	Wire Ropes	Types of wire rope used in mines	12/9/22	
2	1/2	- do -	Describing constructional features of wire rope & lay of wire ropes	13/9/22	
3	1/3	- do -	Defining factor of safety to wire ropes nominal and actual factor of safety of wire ropes.	14/9/22	
4	1/4	- do -	factor influencing factor of safety.	15/9/22	
5	1/5	- do -	Explaining efficiency of rope construction, space factor, & cross-sectional area of rope.	19/9/22	
6	1/6	- do -	Describing factor affecting deterioration of ropes.	20/9/22	
7	1/7	- do -	Describing core and maintenance of ropes.	21/9/22	
✓	1/8	- do -	Explaining testing and examination of wire ropes	22/9/22	
9	1/9	- do -	Explaining the procedure of splicing of wire rope	26/9/22	
10	1/10	- do -	Explaining the procedure of splicing of wire rope.	27/9/22	
11	1/11	- do -	Describe rope capel for hauling winding and reepling.	28/9/22	

5th semester

Subj. - mine method underground method.

S.No	Lesson	Module	Unit Details	Week	Date
1	1/1	Access to ore body.	Classifying mode of entries - Adits, inclines, and shafts, applicability of entries	13	19/12
2	1/2	- do -	classifying mode of entries - Adits, inclines and shafts, applicability of entries.	14	19/12
3	1/3	- do -	Classifying mode of entries - Adits. Inclines and shafts, applicability of entries	15	19/12
4	1/4	- do -	Classifying mode of entries - Adits, inclines and shafts, applicability of entries	20	19/12
5	1/5	- do -	Classifying mode of entries - Adits, inclines and shafts, applicability of entries.	21	19/12
6	2/1	Development of underground metal mine	Explaining formation of blocks of mineral deposit.	22	19/12
7	2/2	- do -	Explaining formation of blocks of mineral deposit.	24	19/12
8	2/3	- do -	Explaining level interval.	27	19/12
9	2/4	- do -	Describing open raising method	28	19/12
10	2/5	- do -	Describing two compartment method.	29	19/12
11	2/6	- do -	Describing two compartment method	30	19/12
12	2/7	- do -	Describing jara raise lift method	31	19/12

5th Semester

Sub: Metrological and safety Lab

S.No	Lect No.	Module	Lect Details	Lect Date	status
1	1/1	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	12/9/22	
2	1/2	-do-	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	15/9/22	
3	1/3	-do-	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	19/9/22	
4	1/4	-do-	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	22/9/22	
5	1/5	-do-	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	26/9/22	
6	1/6	-do-	Estimation of CH ₄ in air sample using flame safety lamp and methanometer.	29/9/22	
7	2/1	Study and use of different type of methanometer.	Study and use of different type of Methanometer.	10/10/22	
8	2/2	-do-	Study and use of different type of methanometer.	17/10/22	
9	2/3	-do-	Study and use of different type of methanometer.	17/10/22	
10	3/1	Determination of CO using CO detector.	Determination of CO by using CO detector.	20/10/22	
11	3/2	-do-	Determination of CO by using CO detector.	26/10/22	

ETH Semester

Sub: mine machinery/lab

Sr. NO	Lect. No	Module	Lect. Details	Lect Date	Status
1	1/1	study of wire rope	study of wire rope	13/9/22	
2	1/2	-do-	study of wire rope	16/9/22	
3	2/1	study of rope splicing	study of rope splicing	20/9/22	
4	2/2	-do-	study of rope splicing	23/9/22	
5	2/3	-do-	study of rope splicing	27/9/22	
6	3/1	study of rope capel	study of rope capel	30/9/22	
7	3/2	-do-	study of rope capel	1/10/22	
8	3/3	-do-	study of rope capel	14/10/22	
9	4/1	study of safety hook	study of safety hook	17/10/22	
10	4/2	-do-	study of safety hook	18/10/22	
11	4/3	-do-	study of safety hook	21/10/22	
12	5/1	study of keeps	study of keeps	24/10/22	
13	5/2	-do-	study of keeps	1/11/22	
14	5/3	-do-	study of keeps	4/11/22	
15	6/1	study of guides in shaft	study of guides in shaft	8/11/22	
16	6/2	-do-	study of guides in shaft	11/11/22	
17	6/3	-do-	study of guides in shaft	15/11/22	