

5TH Semester
Mining Engineering

Lesson plan

TH-1 Entrepreneurship management
& smart technology

TOPIC WISE DISTRIBUTION OF PERIODS

Sr. NO.	TOPIC	PERIODS
01	Entrepreneurship	10
02	Market survey & opportunity Identification	08
03	Project report preparation	04
04	Management principles	05
05	functional areas of management	10
06	leadership & motivation	05
07	regulation	06
08	smart technology	06
09	work culture, TQM	06
	TOTAL	60

Discipline :- MINING	Semester :- (4th)	Name of the teaching staff :-
Subject :- EMST	No. of classes allotted per week (04)	From date :- To date :- No. of week :- 15

Week	CLASS	THEORY / TOPICS
1st	1st	→ Concept / meaning of entrepreneurship
	2nd	→ Need of entrepreneurship
	3rd	→ characteristics, qualities and types of entrepreneur
	4th	→ Barriers in entrepreneurship
2nd	1st	→ Entrepreneurship vs manager
	2nd	→ Forms of business ownership
	3rd	→ other types of industries concept of startup.
	4th	→ Revision on all new syllabus updated.

Week	Class	Topic / Theory
1 st	1 st	→ Entrepreneurship support agencies at national, state, district level
	2 nd	→ Entrepreneurship support at DIC, NSIC, OSIC, SIDBI, NABARD
	3 rd	→ Technology Business Incubators (TBI)
	4 th	→ Science and Technology Entrepreneur Parks
2 nd	1 st	→ Market survey and opportunity identification.
	2 nd	→ business planning
	3 rd	→ SSI, Ancillary units
	4 th	→ Tery units, service sector unit
3 rd	1 st	→ Time schedule plan
	2 nd	→ Agencies to be contacted for project implementation
	3 rd	→ Assessment of demand and supply

WEEK	CWCS	TOPICS / THEORY
	1 st	→ Assessment of potential areas of growth.
6 th	1 st	→ Identifying business opportunity
	2 nd	→ Final product selection
	3 rd	→ project report preparation
	4 th	→ class test and revision
7 th	1 st	→ preliminary project report
	2 nd	→ detailed project report
	3 rd	→ Technoeconomic feasibility
	4 th	→ Project viability
8 th	1 st	→ management principles
	2 nd	→ Definitions of management
	3 rd	→ principles of management
	4 th	→ Functions of management

Week	Class	TOPICS / THEORY
9th	1st	→ Functions of management
	2nd	→ level of management in an organization
	3rd	→ functional areas of management
	4th	→ production management
10th	1st	→ Functions, Activities, quality control of production management
	2nd	→ Inventory management
	3rd	→ Need for inventory management
	4th	→ Models/Techniques of inventory management
11th	1st	→ Financial management
	2nd	→ functions of financial management

week	class	THEORY / TOPICS
	3 rd	→ management of working capital → costing → Break even analysis
	4 th	→ Marketing management → Concepts → Techniques
12 th	1 st	→ Human resource management
	2 nd	→ leadership & motivation
	3 rd	→ Definition and need / importance
	4 th	→ qualities and style of leadership
13 th	1 st	→ motivation <ul style="list-style-type: none"> • Definition • Importance • Factors affecting • Types • Methods • theories
	2 nd	→ Types and barriers of communication

WEEK	CLASS	THEORY / TOPICS
	3 rd	→ Importance of communication in business
	4 th	→ Methods of improving motivation
14 th	1 st	→ Work, culture, TQM & safety
	2 nd	→ Legislation Intellectual property rights
	3 rd	→ Features of factory act 1948 with amendment
	4 th	→ Features of Payment of wages Act 1936
15 th	1 st	→ Smart technology <ul style="list-style-type: none"> • Concept of IOT, how it works • Components of IOT
	2 nd	→ characteristics of IOT and categories
	3 rd	→ Applications of IOT
	4 th	→ Revision and class test exam