

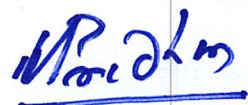
P.C.I.E.T., CHHENDIPADA, DIST- ANGUL					
THEORY LESSON PLAN FOR THE SESSION 2023 - 24					
BRANCH : MINING ENGINEERING, SEMESTER : 6TH, SECTION :- MNA			NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)		
SEMESTER FROM : 16.01.2024 to 26.04.2024			THEORY SUBJECT: MINE MACHINERY - II (TH-1)		
CLASS ALLOTTED /WEEK : 04 PERIODS					
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
1	Underground Face Machineries	15	January		
	Electric coal drill	2		Date - 16/1/2024	
	Describe constructional features, operation, principle & use of electric coal drill	3		Date - 17/1/2024	
	State types of drill rods & drill bits used in electric coal drill	3		Date - 19/1/2024	
	Describe basic constructional features of gathering arm loader, scraper loader, side discharge loader & load & haul loader	3		Date - 22/1/2024 Date - 24/1/2024	
	Describe basic constructional features & operation principle of jackhammer drill & air leg rock drill	2		Date - 29/1/2024	
	Describe basic constructional features & operation principle of road header & Shearer loader	2		Date - 30/1/2024 Date - 31/1/2024	
2	Opencast Machineries	15	Feb		
	Describe basic constructional features of surface miner, dragline, shovel & backhoe, bucket wheel excavator	8		Dt- 2/2/24 Dt- 5/2/24	
	Describe basic constructional features of dumper, dozer, scraper & road grader	7		Dt- 6/2/2024 Dt- 7/2/2024 Dt- 9/2/2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
3	Mine Pumps	20			
	Classify mine pumps	1		Dt-12/2/2024 Dt-13/2/2024	
	Describe constructional features, working & use of ram pumps	2		Dt-16/2/2024 Dt-19/2/2024 Dt-21/2/2024	
	Centrifugal & turbine pumps	2		Dt-23/2/2024 Dt-26/2/2024	
	Describe constructional features of centrifugal & turbine pumps.	2		Dt-27/2/2024 Dt-28/2/2024	
	State principle of centrifugal & turbine pumps & its applicability.	2	Mar	Dt-01/03/2024 Dt-4/3/2024	
	Explain balancing the axial thrust of turbine pump	2		Dt-5/3/2024 Dt-6/3/2024	
	Draw characteristic curves for turbine pumps	2		Dt-11/3/2024 Dt-12/3/2024	
	Solve numerical problems on centrifugal & turbine pumps	2		Dt-13/3/2024 Dt-15/3/2024	
	Describe constructional features and working principle & use of roto pump	2		Dt-18/3/2024 Dt-19/3/2024	
	Describe constructional features & working principle of sinking pump	2		Dt-20/3/2024 Dt-22/3/2024	
	State procedure of suspension in shaft	1		Dt-27/3/2024	
4	Bore Hole Pump	5	Apr		
	Describe constructional features & working of bore hole pump	3		Dt-2/4/2024 Dt-3/4/2024	
	State installation of bore hole pump	2		Dt-5/4/2024 Dt-8/4/2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Pipes and Valves	5		
	State types of pipe & valves used in Mines	1		Dt- 9/04/2024 Dt- 10/04/2024
	Describe constructional features of various type of valves	1		Dt- 12/4/2024 Dt- 15/4/2024
	State & describe different types of pipe joints.	1		Dt- 16/4/2024 Dt- 19/4/2024
	Describe support of laying main pipe in shaft.	1		Dt- 22/4/2024 Dt- 23/4/2024
	Discuss the Pipe line layout	1		Dt- 24/4/2024 Dt- 26/4/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.


 PRINCIPAL
 P.C.I.E.T., CHHENDIPADA
 PRINCIPAL
 Puma Chandra Institute of
 Engineering & Technology
 CHHENDIPADA, ANGUL

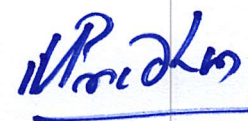
P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
THEORY LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH : MINING ENGINEERING, SEMESTER : 6TH, SECTION : MNA			NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (2) ER. AJAY KUMAR (LECT. IN MINING ENGG.)	
SEMESTER FROM : 16.01.2024 to 26.04.2024			THEORY SUBJECT: MINE GEOLOGY - II (TH-2)	
CLASS ALLOTTED /WEEK : 04 PERIODS				
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Stratigraphy	12	Jan	
	Principles of stratigraphy	4		Dt- 16/01/2024 Dt- 17/01/2024
	Geological time Scale	4		Dt- 20/01/2024 Dt- 22/01/2024
	Stratigraphic sequence, lithology, distribution & economic mineral deposits of Iron Ore series, Cuddpah Supergroup, Vindhyan super group & gondwana super group	4		Dt- 24/01/2024 Dt- 29/01/2024
2	Fossil Fuels	12		
	Coal	6		Dt- 30/01/2024 Dt- 31/01/2024
	Describe the different ranks of coal. Describe different grades of coal like A,B,C,D. Describe the various theories accounting for the origin of coal. Describe various important lower gondwana Coalfields of India.			
	Petroleum	6	Feb	Dt- 03/02/2024 Dt- 05/02/2024
Describe the organic & inorganic theories accounting for the origin of petroleum. Define oil pool & oil trap. □ Describe process of accumulation of oil. Describe favorable conditions for accumulation of oil. □ Describe different important oil fields in India.				

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
3	Prospecting & Exploration	12		
	Define prospecting	1		Dt-06/02/2024 Dt-07/02/2024
	Differentiate between prospecting & exploration	1		Dt-12/02/2024 Dt-13/02/2024
	Use of multi shot camera for borehole direction test	2		Dt-17/02/2024 Dt-19/02/2024
	Enumerate & describe various criteria for geological exploration	2		Dt-20/02/2024 Dt-21/02/2024
	Various methods of Geophysical prospecting	2		Dt-26/02/2024
	Geochemical prospecting	2		Dt-27/02/2024 Dt-28/02/2024
	Differentiate between biogeochemical & geo botanical prospecting	2	March	Dt-02/03/2024 Dt-04/03/2024
4	Economic Geology	12		
	Economic Geology	1		Dt-06/03/2024 Dt-11/03/2024
	Define tenor & grade	1		Dt-12/03/2024 Dt-13/03/2024
	Mineralogy, mode of occurrence, distribution & use of iron ore deposits in India	2		Dt-16/03/2024 Dt-18/03/2024
	Mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses	2		Dt-19/03/2024 Dt-20/03/2024
	Mineralogy, mode of occurrence & distribution of copper deposits in India & uses of this metal	2		Dt-27/03/2024 Dt-30/03/2024
	Mineralogy, mode of occurrence, distribution of lead & zinc deposits in India & the uses of these metals	2	April	Dt-02/04/2024 Dt-03/04/2024
	UNFC (United Nation Framework of Classification) code of classification of reserves	2		Dt-06/04/2024 Dt-08/04/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Sampling	12		Dt- 09/04/2024 Dt- 10/04/2024
	Sampling, outline the method of preparation of samples for assay	4		Dt- 15/04/2024 Dt- 16/04/2024
	Sampling	4		Dt- 20/04/2024 Dt- 22/04/2024
	Different methods of sampling as outlined by Bureau of Indian Standards. (BIS)	4		Dt- 23/04/2024 Dt- 24/04/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.


 PRINCIPAL
 P.C.I.E.T., CHHENDIPADA
 PRINCIPAL
 Puma Chandra Institute of
 Engineering & Technology
 CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2023 - 24

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNA**

**NAME OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU,
(2) ER. GOBINDA CHANDRA SETHY, (LECT. IN MINING ENGG.)**

SEMESTER FROM : 16.01.2024 to 26.04.2024

THEORY SUBJECT: MINE LEGISLATION & GENERAL SAFETY - II (TH-3)

CLASS ALLOTTED /WEEK : 04 PERIODS

SL No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Metalliferous Mines Regulations 1961	15	Jan	
	Various provisions of Metalliferous Mines Regulations 1961.	15		Dt- 16/01/2024 Dt-17/01/2024 Dt- 18/01/2024 Dt-22/01/2024 Dt-24/01/2024 Dt-25/01/2024 Dt- 29/01/2024
2	Mines V.T. Rules 1966	4		
	Various provisions of Mines V.T. Rules 1966	4		Dt- 30/01/2024 Dt- 31/01/2024
3	Mines Creche Rules 1966	4	Feb	
	Various provisions of Mines Creche Rules 1966.	4		Dt- 1/2/2024 Dt- 5/2/2024 Dt- 6/2/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
4	Maternity Benefit Act	4			
	Various provisions of Maternity Benefit Act.	4		Dt- 7/2/2024 Dt- 8/2/2024 Dt- 12/2/2024	
5	Mines Accident & Safety	15			
	Discuss their classification, causes & prevention	1		Dt- 13/2/2024	
	Develop concept about accident cost, accident report, procedure for conducting an enquiry to ascertain the causes of accidents	2		Dt- 15/2/2024 Dt- 19/2/2024 Dt- 20/2/2024	
	Discuss procedure for investigation & reporting Mine accident, accident proneness, fatality rate, frequency rate & severity rate	2		Dt- 21/2/2024 Dt- 22/2/2024 Dt- 26/2/2024	
	Explain role of supervision in accident prevention, accident due to opencast workings, statistical analysis of accidents, accident statistics, its head & method of data processing	2		Dt- 27/2/2024 Dt- 28/2/2024 Dt- 29/2/2024	
	Develop basis concepts of safety, safety & productivity, safety consciousness & safety campaign, safety organization, safety audit	2	Mar.	Dt- 4/3/2024 Dt- 6/3/2024 Dt- 7/3/2024	
	Describe rules of safety committee	2		Dt- 11/3/2024 Dt- 12/3/2024	
	Explain the role of workmen inspectors	2		Dt- 14/3/2024 Dt- 18/3/2024 Dt- 19/3/2024 Dt- 20/3/2024	
	Discuss terms like industrial fatigue, preventive maintenance, productive equipments & duties of Safety Officer	2		Dt- 21/3/2024 Dt- 27/3/2024 Dt- 28/3/2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Forest Conservation Act (FCA) 1980.	3	Apr	
	Various provisions of Forest Conservation Act (FCA) 1980	3		Dt- 2/4/2024 Dt- 3/4/2024 Dt- 4/4/2024
7	Environmental Protection Act 1986	5		
	various provisions of Environmental Protection Act 1986.	5		Dt- 8/4/2024 Dt- 9/4/2024 Dt- 10/4/2024
8	MMRD Act & MCR Rules	5		
	Various provisions of Mineral conservation & exploitation	3		Dt- 15/4/2024 Dt- 16/4/2024 Dt- 18/4/2024
	National Mineral policy	2		Dt- 22/4/2024 Dt- 23/4/2024
9	Classified Circulars (DGMS)	5		
	As amended up-to-date	5		Dt- 24/4/2024 Dt- 25/4/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
PRINCIPAL
P. K. CHHENDIPADA
P. K. Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2023 -24

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNA**

**NAME OF THE FACULTY : (1) ER. LIPUN DEHURY,
(2) ER. JAGANDEEP MAHATO (LECT. IN MINING ENGG.)**

SEMESTER FROM : 16.01.2024 to 26.04.2024

THEORY SUBJECT: MINERAL DRESSING (TH-4A)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Introduction	2	Jan	
	Objective & scope of application of mineral dressing in surface & u/g mines	2		Dt-16/01/2024 Dt-17/01/2024 Dt-18/01/2024 Dt-22/01/2024
2	Unit Operations	6		
	Principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher	6		Dt-24/01/2024 Dt-25/01/2024 Dt-29/01/2024 Dt-30/01/2024 Dt-31/01/2024
3	Grinding	6	Feb	
	Principle of ball mill operation, open circuit grinding, close circuit grinding, dry & wet grinding	6		Dt-01/02/2024 Dt-05/02/2024 Dt-06/02/2024 Dt-07/02/2024
4	Explain the Procedure for Size Analysis & Use of Standard Screen as also Screening Techniques Employed	6		Dt-08/02/2024 Dt-12/02/2024 Dt-13/02/2024 Dt-15/02/2024
5	Industrial Screening	6		
	Explain the principle of industrial screening, type of screening (without calculation)	3		Dt-19/02/2024 Dt-20/02/2024 Dt-21/02/2024 Dt-22/02/2024
	Explain the operation of classifier & their application	3		Dt-26/02/2024 Dt-28/02/2024 Dt-27/02/2024 Dt-29/02/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Gravity Concentration	6	March	
	Explain the general principles of Wilfley table & its operation	3		Dt-04/03/2024 Dt-06/03/2024 Dt-07/03/2024 Dt-11/03/2024
	Develop elementary idea regarding the operation jigs	3		Dt-12/03/2024 Dt-13/03/2024 Dt-14/03/2024 Dt-18/03/2024
7	Heavy Media Separation	8		
	Explain the fundamental principle of heavy media separation – Chance process	8		Dt-19/03/2024 Dt-20/03/2024 Dt-21/03/2024 Dt-27/03/2024 Dt-28/03/2024
8	Floatation	10	April	
	Comprehend elementary principle of froth floatation, practical utility of frother, collection, modifiers & depressants	5		Dt-02/04/2024 Dt-03/04/2024 Dt-04/04/2024 Dt-08/04/2024
	Describe & illustrate floatation cell	5		Dt-09/04/2024 Dt-10/04/2024 Dt-15/04/2024
9	Magnetic & Electrostatic Separators	10		
	Explain the principle of operation of magnetic & electrostatic separators	5		Dt-16/04/2024 Dt-18/04/2024 Dt-22/04/2024
	Describe the application of separators in mineral dressing	5		Dt-23/04/2024 Dt-24/04/2024 Dt-25/04/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P. CHHENDIPADA
P. Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2023 - 24

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION :- MNB**

**NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D.,
MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING
ENGG.)**

SEMESTER FROM : 16.01.2024 to 26.04.2024

THEORY SUBJECT: MINE MACHINERY - II (TH-1)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Underground Face Machineries	15		—
	Electric coal drill	2		Dt- 16/1/2024
	Describe constructional features, operation, principle & use of electric coal drill	3		Dt- 17/1/2024
	State types of drill rods & drill bits used in electric coal drill	3		Dt- 19/1/2024 Dt- 22/1/2024
	Describe basic constructional features of gathering arm loader, scraper loader, side discharge loader & load & haul loader	3		Dt- 24/1/2024
	Describe basic constructional features & operation principle of jackhammer drill & air leg rock drill	2		Dt- 29/1/2024
	Describe basic constructional features & operation principle of road header & Shearer loader	2		Dt- 30/1/2024 Dt- 31/1/2024
2	Opencast Machineries	15	Feb	—
	Describe basic constructional features of surface miner, dragline, shovel & backhoe, bucket wheel excavator	8		Dt- 2/2/2024 Dt- 5/2/2024
	Describe basic constructional features of dumper, dozer, scraper & road grader	7		Dt- 6/2/2024 Dt- 7/2/2024 Dt- 9/2/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
3	Mine Pumps	20			
	Classify mine pumps	1		Dt- 12/2/2024 Dt- 13/2/2024	
	Describe constructional features, working & use of ram pumps	2		Dt- 16/2/2024 Dt- 19/2/2024 Dt- 21/2/2024	
	Centrifugal & turbine pumps	2		Dt- 23/2/2024 Dt- 26/2/2024	
	Describe constructional features of centrifugal & turbine pumps.	2		Dt- 27/2/2024 Dt- 28/2/2024	
	State principle of centrifugal & turbine pumps & its applicability.	2	Mar	Dt- 01/03/2024 Dt- 4/3/2024	
	Explain balancing the axial thrust of turbine pump	2		Dt- 5/3/2024 Dt- 6/3/2024	
	Draw characteristic curves for turbine pumps	2		Dt- 11/3/2024 Dt- 12/3/2024	
	Solve numerical problems on centrifugal & turbine pumps	2		Dt- 13/3/2024 Dt- 15/3/2024	
	Describe constructional features and working principle & use of roto pump	2		Dt- 18/3/2024 Dt- 19/3/2024	
	Describe constructional features & working principle of sinking pump	2		Dt- 20/3/2024 Dt- 22/3/2024	
	State procedure of suspension in shaft	1		Dt- 27/3/2024	
4	Bore Hole Pump	5	Apr		
	Describe constructional features & working of bore hole pump	3		Dt- 2/4/2024 Dt- 3/4/2024	
	State installation of bore hole pump	2		Dt- 5/4/2024 Dt- 8/4/2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Pipes and Valves	5		
	State types of pipe & valves used in Mines	1		Dt-9/4/2024 Dt-10/4/2024
	Describe constructional features of various type of valves	1		Dt-12/4/2024 Dt-15/4/2024
	State & describe different types of pipe joints.	1		Dt-16/4/2024 Dt-19/4/2024
	Describe support of laying main pipe in shaft.	1		Dt-22/4/2024 Dt-23/4/2024
	Discuss the Pipe line layout	1		Dt-24/4/2024 Dt-26/4/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.


 PRINCIPAL
 P.C.I.E.T., CHHENDIPADA
 PRINCIPAL
 Puma Chandra Institute of
 Engineering & Technology
 CHHENDIPADA, ANGUL

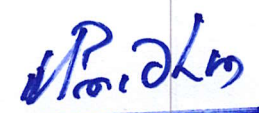
P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
THEORY LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH : MINING ENGINEERING, SEMESTER : 6TH, SECTION : MNB			NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (2) ER. AJAY KUMAR (LECT. IN MINING ENGG.)	
SEMESTER FROM : 16.01.2024 to 26.04.2024			THEORY SUBJECT: MINE GEOLOGY - II (TH-2)	
CLASS ALLOTTED /WEEK : 04 PERIODS				
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Stratigraphy	12	Jan	
	Principles of stratigraphy	4		Dt-16/01/2024 Dt-17/01/2024
	Geological time Scale	4		Dt-18/01/2024 Dt-22/01/2024
	Stratigraphic sequence, lithology, distribution & economic mineral deposits of Iron Ore series, Cuddpah Supergroup, Vindhyan super group & gondwana super group	4		Dt-24/01/2024 Dt-25/01/2024
2	Fossil Fuels	12		
	Coal	6		Dt-29/01/2024 Dt-30/01/2024 Dt-31/01/2024
	Describe the different ranks of coal. Describe different grades of coal like A,B,C,D. Describe the various theories accounting for the origin of coal. Describe various important lower gondwana Coalfields of India.			
	Petroleum	6	Feb	Dt-01/02/2024 Dt-05/02/2024 Dt-06/02/2024
Describe the organic & inorganic theories accounting for the origin of petroleum. Define oil pool & oil trap. □ Describe process of accumulation of oil. Describe favorable conditions for accumulation of oil. □ Describe different important oil fields in India.				

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
3	Prospecting & Exploration	12		
	Define prospecting	1		Dt-07/02/2024 Dt-08/02/2024
	Differentiate between prospecting & exploration	1		Dt-12/02/2024 Dt-13/02/2024
	Use of multi shot camera for borehole direction test	2		Dt-15/02/2024 Dt-19/02/2024
	Enumerate & describe various criteria for geological exploration	2		Dt-20/02/2024 Dt-21/02/2024
	Various methods of Geophysical prospecting	2		Dt-22/02/2024 Dt-26/02/2024
	Geochemical prospecting	2		Dt-27/02/2024 Dt-28/02/2024
	Differentiate between biogeochemical & geo botanical prospecting	2		Dt-29/02/2024
4	Economic Geology	12	March	
	Economic Geology	1		Dt-04/03/2024 Dt-07/03/2024
	Define tenor & grade	1		Dt-06/03/2024
	Mineralogy, mode of occurrence, distribution & use of iron ore deposits in India	2		Dt-11/03/2024 Dt-12/03/2024 Dt-13/03/2024
	Mineralogy, mode of occurrence, & description of Chromites deposits in India & its uses	2		Dt-14/03/2024 Dt-18/03/2024 Dt-19/03/2024
	Mineralogy, mode of occurrence & distribution of copper deposits in India & uses of this metal	2		Dt-20/03/2024 Dt-21/03/2024
	Mineralogy, mode of occurrence & distribution of lead & zinc deposits in India & the uses of these metals	2	April	Dt-27/03/2024 Dt-28/03/2024
	UNFC (United Nation Framework of Classification) code of classification of reserves	2		Dt-02/04/2024 Dt-03/04/2024
				Dt-04/04/2024 Dt-08/04/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
5	Sampling	12		09/04/2024 Dt-10/04/2024
	Sampling, outline the method of preparation of samples for assay	4		Dt-15/04/2024 Dt-16/04/2024
	Sampling	4		Dt-18/04/2024 Dt-22/04/2024
	Different methods of sampling as outlined by Bureau of Indian Standards. (BIS)	4		Dt-23/04/2024 Dt-24/04/2024 Dt-25/04/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.


 PRINCIPAL
 P.C.I.E.T., CHHENDIPADA
 Puma Chandra Institute of
 Engineering & Technology
 CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2023 - 24

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNB**

**NAME OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU,
(2) ER. GOBINDA CHANDRA SETHY, (LECT. IN MINING ENGG.)**

SEMESTER FROM : 16.01.2024 to 26.04.2024

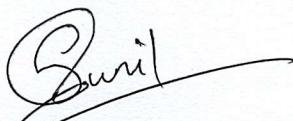
THEORY SUBJECT: MINE LEGISLATION & GENERAL SAFETY - II (TH-3)

CLASS ALLOTTED /WEEK : 04 PERIODS

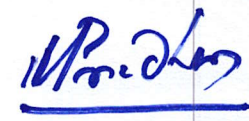
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Metalliferous Mines Regulations 1961	15	Jan	
	Various provisions of Metalliferous Mines Regulations 1961.	15		Dt- 16/1/2024 Dt- 17/1/2024 Dt- 20/1/2024 Dt- 22/1/2024 Dt- 29/1/2024 Dt- 30/1/2024 Dt- 31/1/2024
2	Mines V.T. Rules 1966	4	Feb	
	Various provisions of Mines V.T. Rules 1966	4		Dt- 3/2/2024 Dt- 5/2/2024 Dt- 6/2/2024
3	Mines Creche Rules 1966	4		
	Various provisions of Mines Creche Rules 1966.	4		Dt- 7/2/2024 Dt- 11/2/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
4	Maternity Benefit Act	4			
	Various provisions of Maternity Benefit Act.	4		Dt- 13/2/2024 Dt- 14/2/2024 Dt- 17/2/2024	
5	Mines Accident & Safety	15			
	Discuss their classification, causes & prevention	1		Dt- 20/2/2024	
	Develop concept about accident cost, accident report, procedure for conducting an enquiry to ascertain the causes of accidents	2		Dt- 21/2/2024 Dt- 26/2/2024 Dt- 27/2/2024 Dt- 28/2/2024	
	Discuss procedure for investigation & reporting Mine accident, accident proneness, fatality rate, frequency rate & severity rate	2	Mar	Dt- 2/3/2024 Dt- 4/3/2024 Dt- 6/3/2024	
	Explain role of supervision in accident prevention, accident due to opencast workings, statistical analysis of accidents, accident statistics, its head & method of data processing	2		Dt- 11/3/2024 Dt- 12/3/2024 Dt- 13/3/2024	
	Develop basis concepts of safety, safety & productivity, safety consciousness & safety campaign, safety organization, safety audit	2		Dt- 16/3/2024 Dt- 18/3/2024 Dt- 19/3/2024	
	Describe rules of safety committee	2		Dt- 20/3/2024	
	Explain the role of workmen inspectors	2		Dt- 27/3/2024 Dt- 30/3/2024	
	Discuss terms like industrial fatigue, preventive maintenance, productive equipments & duties of Safety Officer	2	Apr	Dt- 2/4/2024 Dt- 3/4/2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Forest Conservation Act (FCA) 1980.	3		
	Various provisions of Forest Conservation Act (FCA) 1980	3		Dt- 6/4/2024 Dt- 8/4/2024 Dt- 9/4/2024
7	Environmental Protection Act 1986	5		
	various provisions of Environmental Protection Act 1986.	5		Dt- 10/4/2024 Dt- 15/4/2024
8	MMRD Act & MCR Rules	5		
	Various provisions of Mineral conservation & exploitation	3		Dt- 16/4/2024 Dt- 20/4/2024
	National Mineral policy	2		Dt- 22/4/2024 Dt- 23/4/2024
9	Classified Circulars (DGMS)	5		
	As amended up-to-date	5		Dt- 24/4/2024


SIGNATURE OF THE CONCERNED FACULTY


SIGNATURE OF THE H.O.D.


PRINCIPAL
P.C.I.E.T. CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGI

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

THEORY LESSON PLAN FOR THE SESSION 2023 -24

**BRANCH : MINING ENGINEERING, SEMESTER : 6TH,
SECTION : MNB**

**NAME OF THE FACULTY : (1) ER. LIPUN DEHURY,
(2) ER. JAGANDEEP MAHATO (LECT. IN MINING ENGG.)**

SEMESTER FROM : 16.01.2024 to 26.04.2024

THEORY SUBJECT: MINERAL DRESSING (TH-4A)

CLASS ALLOTTED /WEEK : 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	Introduction	2	January	
	Objective & scope of application of mineral dressing in surface & u/g mines	2		Date - 16/1/2024 Date 17/1/2024 Date - 18/1/2024 Date 24/1/2024
2	Unit Operations	6		
	Principle of Blake & dodge jaw crushers, gyratory & cone crushers, roll crusher	6		Date - 25/1/2024 Date 29/1/2024 Date - 30/1/2024 Date 31/1/2024
3	Grinding	6	February	
	Principle of ball mill operation, open circuit grinding, close circuit grinding, dry & wet grinding	6		Date- 1/2/2024 Dt- 5/2/2024 Dt- 6/2/2024 Dt- 7/2/2024 Dt- 8/2/2024 Dt- 12/2/2024
4	Explain the Procedure for Size Analysis & Use of Standard Screen as also Screening Techniques Employed	6		
5	Industrial Screening	6		
	Explain the principle of industrial screening, type of screening (without calculation)	3		Dt-13/2/2024 Dt 15/2/2024 Dt 19/2/2024 Dt - 20/2/2024 Dt 21/2/2024 Dt 22/2/2024
	Explain the operation of classifier & their application	3		Dt- 26/2/2024 Dt 27/2/2024 Dt 28/2/2024 Dt- 29/2/2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
6	Gravity Concentration	6	March	
	Explain the general principles of Wilfley table & its operation	3		Dt 4/3/2024 Dt 6/3/2024 Dt 7/3/2024 Dt 11/3/2024
	Develop elementary idea regarding the operation jigs	3		Dt 12/3/2024 Dt 13/3/2024 Dt 14/3/2024 Dt 18/3/2024
7	Heavy Media Separation	8		
	Explain the fundamental principle of heavy media separation – Chance process	8		Dt 19/3/2024 Dt 20/3/2024 Dt 21/3/2024 Dt 27/3/2024 Dt 28/3/2024
8	Floatation	10	April	
	Comprehend elementary principle of froth floatation, practical utility of frother, collection, modifiers & depressants	5		Dt 2/4/2024 Dt 3/4/2024 Dt 4/4/2024 Dt 8/4/2024
	Describe & illustrate floatation cell	5		Dt 9/4/2024 Dt 10/4/2024 Dt 15/4/2024
9	Magnetic & Electrostatic Separators	10		
	Explain the principle of operation of magnetic & electrostatic separators	5		Dt 16/4/2024 Dt 18/4/2024 Dt 22/4/2024
	Describe the application of separators in mineral dressing	5		Dt 23/4/2024 Dt 24/4/2024 Dt 25/4/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C. DET. GHENDIPADA
Sri Chandra Institute of
Engineering & Technology
GHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNA1
NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (2) ER. AJAY KUMAR (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)	
CLASS ALLOTTED /WEEK : 06 PERIODS				
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Megascopic identification of Igneous rocks in hand specimens	Jan	3	20 1 2024 29 1 2024 22 1 2024
2	Megascopic identification of Sedimentary rocks in hand specimens	Feb	3	3 2 2024 12 3 2024 5 2 2024
3	Megascopic identification of Metamorphic rocks in hand specimens		3	17 3 2024 26 3 2024 19 3 2024
4	Interpretation of contour maps and preparation of the profile section for it	Mar	6	2 3 2024 16 3 2024 9 3 2024 18 3 2024 11 3 2024 30 3 2024
5	Interpretation of geological maps and preparation of the profile Section for it	Apr	2	6 4 2024 8 4 2024
6	Describe the specific gravity of small specimen by Joley's spring balance		3	15 4 2024 22 4 2024 20 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL

Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 -24

BRANCH: MINING ENGG

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	Jan	2	17/01/2024 19/11/2024
2	Study of Turbine Pumps		2	29/1/2024 31/1/2024
3	Study of Roto Pump	Feb	4	2/2/2024 9/2/2024 7/2/2024 16/2/2024
4	Study of Sinking Pump		3	21/2/2024 28/2/2024 23/2/2024
5	Study of electric coal drills & its accessories	Mar	3	1/3/2024 13/3/2024 6/3/2024
6	Study of Jack Hammer Drill with air leg		4	15/3/2024 22/3/2024 20/3/2024 27/3/2024
7	Study of scrapper & shaker conveyor	Apr	2	3/4/2024 5/4/2024
8	Study of scrapper loader		2	10/4/2024 12/4/2024
9	Model Development of Gathering arm loader		2	19/4/2024 24/4/2024
10	Study of Electric Coal Drill.		1	26/4/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNA1
NAME OF THE FACULTY : (1) ER. JAGANDEEP MAHATO, (2) ER. AJAY KUMAR (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)	
CLASS ALLOTTED /WEEK : 06 PERIODS				
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	Jan	3	16 1 2024 23 1 2024 18 1 2024
2	Planning and execution of considerations		2	25 1 2024 30 1 2024
3	Quality of performance	Feb	4	1 2 2024 8 2 2024 6 2 2024 13 2 2024
4	Providing solution of the problems or production of final product		3	15 2 2024 22 2 2024 20 2 2024
5	Sense of responsibility		2	27 2 2024 29 2 2024
6	Self expression/ communication/ Presentation skills	Mar	2	7 3 2024 12 3 2024
7	Interpersonal skills/human relations		4	14 3 2024 21 3 2024 19 3 2024 28 3 2024
8	Report writing skills	Apr	4	2 4 2024 9 4 2024 4 4 2024 16 4 2024
9	Viva voce		3	18 4 2024 23 4 2024 25 4 2024
10				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. LIPUN DEHURY, (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	Jan	2	18 / 1 / 2024 25 / 1 / 2024
2	PROBLEM SOLVING	Feb	3	1 / 2 / 2024 8 / 2 / 2024
3	PRESENTATION SKILL		2	22 / 2 / 2024 29 / 2 / 2024
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	Mar	2	7 / 3 / 2024 14 / 3 / 2024
5	WORKING IN TEAM		2	21 / 3 / 2024 28 / 3 / 2024
6	TASK MANAGEMENT	Apr	3	4 / 4 / 2024 18 / 4 / 2024 25 / 4 / 2024
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Buddha Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNA1

NAME OF THE FACULTY : (1) ER. JAGANDEEP MAHATO, (2) ER. SRIKANTA SAMAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT.16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension of lectures.	Jan		19 1/2024
	Personality Development	Feb		2 2 2024 9 2 2024 16 2 2024
	Environmental Issues	Mar		1 3 2024 15 3 2024
	Quiz / Hobbies / Field visit			22 3 2024
	Cultural Activities	Apr		5 4 2024 12 4 2024
	Library Study.			19 4 2024 26 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL

Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL					
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24					
BRANCH:-MINING ENGG			SEMESTER: 6TH		SECTION : MNA2
NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (2) ER. AJAY KUMAR (LECT. IN MINING ENGG.)					
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)		
CLASS ALLOTTED /WEEK : 06 PERIODS					
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOB TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES	
1	Megascopic identification of Igneous rocks in hand specimens	Jan	4	17 1 2024 19 1 2024	24 1 2024 31 1 2024
2	Megascopic identification of Sedimentary rocks in hand specimens	Feb	4	2 2 2024 7 2 2024	9 2 2024 16 2 2024
3	Megascopic identification of Metamorphic rocks in hand specimens		3	21 2 2024 23 2 2024	28 2 2024
4	Interpretation of contour maps and preparation of the profile section for it	Mar	6	1 3 2024 6 3 2024 13 3 2024	15 3 2024 20 3 2024 27 3 2024
5	Interpretation of geological maps and preparation of the profile Section for it		1	27 3 2024	
6	Describe the specific gravity of small specimen by Joley's spring balance	Apr	7	3 4 2024 5 4 2024 10 4 2024	12 4 2024 19 4 2024 24 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
— PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL
PRACTICAL LESSON PLAN FOR THE SESSION 2023 -24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

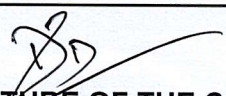
NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRABIN KUMAR SAHOO, (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

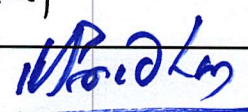
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	Jan	2	20 1 2024 22 1 2024
2	Study of Turbine Pumps		1	29 1 2024
3	Study of Roto Pump	Feb	3	3 2 2024 12 2 2024 5 2 2024
4	Study of Sinking Pump		3	17 2 2024 26 2 2024 19 2 2024
5	Study of electric coal drills & its accessories	Mar	3	2 3 2024 11 3 2024 4 3 2024
6	Study of Jack Hammer Drill with air leg		2	16 3 2024 18 3 2024
7	Study of scrapper & shaker conveyor		1	30 3 2024
8	Study of scrapper loader	Apr	2	6 4 2024 8 4 2024
9	Model Development of Gathering arm loader		2	15 4 2024 20 4 2024
10	Study of Electric Coal Drill.		1	23 4 2024


SIGNATURE OF THE CONCERNED FACULTY


SIGNATURE OF THE H.O.D.


PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. PRANAYA KUMAR BEHERA (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)

CLASS ALLOTTED /WEEK : 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	Jan	3	16/1/2024 23/1/2024 18/1/2024
2	Planning and execution of considerations		2	25/1/2024 30/1/2024
3	Quality of performance	Feb	4	1/2/2024 8/2/2024 6/2/2024 13/2/2024
4	Providing solution of the problems or production of final product		4	15/2/2024 22/2/2024 20/2/2024 27/2/2024
5	Sense of responsibility		1	29/2/2024
6	Self expression/ communication/ Presentation skills	Mar	2	7/3/2024 12/3/2024
7	Interpersonal skills/human relations		4	14/3/2024 21/3/2024 19/3/2024 28/3/2024
8	Report writing skills	Apr	4	2/4/2024 9/4/2024 4/4/2024 16/4/2024
9	Viva voce		3	18/4/2024 23/4/2024 25/4/2024
10				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. LIPUN DEHURY, (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

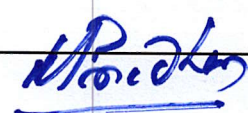
PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	Jan	2	18 1 2024 25 1 2024
2	PROBLEM SOLVING	Feb	2	1 2 2024 8 2 2024
3	PRESENTATION SKILL		3	15 2 2024 29 2 2024 22 2 2024
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	Mar	3	7 3 2024 21 3 2024 14 3 2024
5	WORKING IN TEAM		1	28 3 2024
6	TASK MANAGEMENT	Apr	3	4 4 2024 25 4 2024 18 4 2024
7				
8				
9				

 SIGNATURE OF THE CONCERNED FACULTY

 SIGNATURE OF THE H.O.D.

 PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNA2

NAME OF THE FACULTY : (1) ER. JAGANDEEP MAHATO, (2) ER. SRIKANTA SAMAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT.16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension of Lectures	Jan	1	19 1 2024
	Personality development	Feb	4	2 2 2024 16 2 2024 9 2 2024 23 2 2024
	Environmental Issues	Mar	2	1 3 2024 15 3 2024
	Quiz / Hobbies / field visit		1	22 3 2024
	Cultural Activities	Apr	2	5 4 2024 12 4 2024
	Library study		2	19 4 2024 26 4 2024

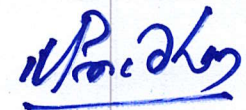


SIGNATURE OF THE CONCERNED FACULTY





SIGNATURE OF THE H.O.D.



PRINCIPAL
P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL					
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24					
BRANCH:-MINING ENGG			SEMESTER: 6TH		SECTION : MNB1
NAME OF THE FACULTY : (1) ER. AJAY KUMAR, (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)					
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)		
CLASS ALLOTTED /WEEK : 06 PERIODS					
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOB TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES	
1	Megascopic identification of Igneous rocks in hand specimens	Jan	3	18 1 24 19 1 24	25 1 24
2	Megascopic identification of Sedimentary rocks in hand specimens	Feb	6	1 2 2024 2 2 2024 8 2 2024	9 2 2024 15 2 2024 16 2 2024
3	Megascopic identification of Metamorphic rocks in hand specimens		3	22 2 2024 23 2 2024	29 2 2024
4	Interpretation of contour maps and preparation of the profile section for it	Mar	6	1 3 2024 7 3 2024 14 3 2024	15 3 2024 21 3 2024 22 3 2024
5	Interpretation of geological maps and preparation of the profile Section for it		1	28 3 2024	
6	Describe the specific gravity of small specimen by Joley's spring balance	Apr	7	4 4 2024 5 4 2024 12 4 2024	18 4 2024 19 4 2024 25 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL
PRACTICAL LESSON PLAN FOR THE SESSION 2023 -24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

CLASS ALLOTTED /WEEK : 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	Jan	2	16 1 2024 18 1 2024
2	Study of Turbine Pumps		3	23 1 2024 30 1 2024 25 1 2024
3	Study of Roto Pump	Feb	4	1 2 2024 8 2 2024 6 2 2024 13 2 2024
4	Study of Sinking Pump		4	15 2 2024 22 2 2024 20 2 2024 27 2 2024
5	Stucy of electric coal drills & its accessories		1	29 2 2024
3	Study of Jack Hammer Drill with air leg	Mar	3	7 3 2024 14 3 2024 12 3 2024
7	Study of scrapper & shaker conveyor		3	19 3 2024 28 3 2024 21 3 2024
3	Study of scrapper loader	Apr	2	2 4 2024 9 4 2024
3	Model Development of Gathering arm loader		3	9 4 2024 18 4 2024 16 4 2024
10	Study of Electric Coal Drill.		2	23 4 2024 25 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T. CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNB1
NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY (H.O.D., MINING ENGG.), (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)	
CLASS ALLOTTED /WEEK : 06 PERIODS				
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	Jan	4	17 1 2024 24 1 2024 22 1 2024 29 1 2024
2	Planning and execution of considerations		1	31 1 2024
3	Quality of performance	Feb	4	5 2 2024 12 2 2024 7 2 2024 19 2 2024
4	Providing solution of the problems or production of final product		3	21 2 2024 28 2 2024 26 2 2024
5	Sense of responsibility	Mar	2	4 3 2024 6 3 2024
6	Self expression/ communication/ Presentation skills		2	11 3 2024 13 3 2024
7	Interpersonal skills/human relations		3	18 3 2024 27 3 2024 20 3 2024
8	Report writing skills	Apr	3	1 4 2024 3 4 2024 8 4 2024
9	Viva voce		4	10 4 2024 22 4 2024 15 4 2024 22 4 2024
10				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. CHANDAN SAHOO, (2) ER. LIPUN DEHURY (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	Jan	1	19 1 2024
2	PROBLEM SOLVING	Feb	2	2 2 2024 9 2 2024
3	PRESENTATION SKILL		2	16 2 2024 23 2 2024
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	Mar	3	1 3 2024 15 3 2024 22 3 2024
5	WORKING IN TEAM	Apr	2	5 4 2024 12 4 2024
6	TASK MANAGEMENT		2	19 4 2024 26 4 2024
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANICIL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. JAGANDEEP MAHATO, (2) ER. SRIKANTA SAMAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT.16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension of lectures	Jan	1	20 / 1 / 2024
	Personality development	Feb	2	3 / 2 / 2024 17 / 2 / 2024
	Environment issues	Mar	2	2 / 3 / 2024 16 / 3 / 2024
	Quiz / Hobbies / Field visit		1	30 / 3 / 2024
	Cultural Activities	Apr	1	6 / 4 / 2024
	Library study		1	20 / 4 / 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL

Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNB2
NAME OF THE FACULTY : (1) ER. AJAY KUMAR, (2) ER. CHANDAN SAHOO (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: MINE GEOLOGY – II LAB (PR-1)	
CLASS ALLOTTED /WEEK : 06 PERIODS				
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOB TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Megascopic identification of Igneous rocks in hand specimens	Jan	4	16 1 2024 25 1 2024 18 1 2024 30 1 2024
2	Megascopic identification of Sedimentary rocks in hand specimens	Feb	6	1 2 2024 13 2 2024 6 2 2024 15 2 2024 8 2 2024 20 2 2024
3	Megascopic identification of Metamorphic rocks in hand specimens		3	22 2 2024 30 2 2024 27 2 2024
4	Interpretation of contour maps and preparation of the profile section for it	Mar	4	5 3 2024 14 3 2024 7 3 2024 19 3 2024 12 3 2024 28 3 2024
5	Interpretation of geological maps and preparation of the profile Section for it	Apr	6	2 4 2024 11 4 2024 4 4 2024 16 4 2024 9 4 2024 18 4 2024
6	Describe the specific gravity of small specimen by Joley's spring balance		2	23 4 2024 25 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
PRACTICAL LESSON PLAN FOR THE SESSION 2023 -24				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNB2
NAME OF THE FACULTY : (1) ER. PRANAYA KUMAR BEHERA, (2) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)	
CLASS ALLOTTED /WEEK : 03 PERIODS				
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of Centrifugal Pumps	Jan	3	18/11/2024 19/11/2024 25/11/2024
2	Study of Turbine Pumps	Feb	4	1/2/2024 8/2/2024 2/2/2024 9/2/2024
3	Study of Roto Pump		4	15/2/2024 22/2/2024 16/2/2024 23/2/2024
4	Study of Sinking Pump		1	29/2/2024
5	Study of electric coal drills & its accessories	Mar	4	1/3/2024 14/3/2024 7/3/2024 15/3/2024
6	Study of Jack Hammer Drill with air leg		2	21/3/2024 22/3/2024
7	Study of scrapper & shaker conveyor		1	28/3/2024
8	Study of scrapper loader	Apr	2	4/4/2024 5/4/2024
9	Model Development of Gathering arm loader		3	12/4/2024 19/4/2024 18/4/2024
10	Study of Electric Coal Drill.		2	25/4/2024 26/4/2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T., CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL				
PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNB2
NAME OF THE FACULTY : (1) ER. PRITAN KUMAR PRADHAN, (2) ER. SUNIL KUMAR SAHU (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)	
CLASS ALLOTTED /WEEK : 06 PERIODS				
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of project assignment	Jan	2	17 1 2024 24 1 2024 22 1 2024
2	Planning and execution of considerations		2	29 1 2024 31 1 2024
3	Quality of performance	Feb	4	5 2 2024 12 2 2024 7 2 2024 19 2 2024
4	Providing solution of the problems or production of final product		3	21 2 2024 28 2 2024 26 2 2024
5	Sense of responsibility	Mar	4	4 3 2024 11 3 2024 6 3 2024 13 3 2024
6	Self expression/ communication/ Presentation skills		3	18 3 2024 27 3 2024 20 3 2024
7	Interpersonal skills/human relations	Apr	2	1 4 2024 8 4 2024 3 4 2024
8	Report writing skills		2	10 4 2024 15 4 2024
9	Viva voce		2	22 4 2024 24 4 2024
10				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL
P.C.I.E.T. CHHENDIPADA
Purna Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB2

NAME OF THE FACULTY : (1) ER. CHANDAN SAHOO, (2) ER. LIPUN DEHURY (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	Jan	1	19/1/2024
2	PROBLEM SOLVING	Feb	2	2/2/2024 9/2/2024
3	PRESENTATION SKILL		2	16/2/2024 23/2/2024
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	Mar	3	1/3/2024 15/3/2024
5	WORKING IN TEAM	Apr	2	5/4/2024 12/4/2024
6	TASK MANAGEMENT		2	19/4/2024 26/4/2024
7				
8				
9				

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.

PRINCIPAL

P.C.I.E.T., CHHENDIPADA
Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL

PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MINING ENGG.

SEMESTER: 6TH

SECTION : MNB1

NAME OF THE FACULTY : (1) ER. JAGANDEEP MAHATO, (2) ER. SRIKANTA SAMAL (LECT. IN MINING ENGG.)

SEMESTER FROM DT.16.01.2024 TO 26.04.2024

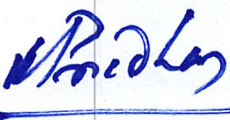
PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	Extension of Lectures	Jan	1	20 1 2024
	Personality development	Feb	2	3 2 2024 17 2 2024
	Environment issues	Mar	2	2 3 2024 16 3 2024
	Quiz / Hobbies / field visit		1	30 3 2024
	cultural Activities	Apr	1	6 4 2024
	Library study		1	20 4 2024

SIGNATURE OF THE CONCERNED FACULTY

SIGNATURE OF THE H.O.D.



PRINCIPAL

P.C.I.E.T., CHHENDIPADA

PRINCIPAL

Puma Chandra Institute of
Engineering & Technology
CHHENDIPADA, ANGUL