

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

PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG.

SEMESTER: 3RD

SECTION: MNA1 & MNA2

**NAME OF THE FACULTY : (1) ER. RADHAKRUSHNA BHUTIA, (2) ER. ALOK KU. MAHAPATRA, (3) ER. PRANAYA KU. BEHERA
(LECT. IN MINING ENGG.)**

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

PRACTICAL SUBJECT: MINE SURVEY-I 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
	CHAIN SURVEY	OCTOBER		
	a.Ranging a line more than 100m in length and measuring its correct length applying corrections.		4	Dt- 4/10/2021, Dt- 6/10/2021, Dt- 7/10/2021
	b.Taking off sets of objects on both sides of a line.		4	Dt- 9/10/2021, Dt- 18/10/2021, Dt- 22/10/2021
1	c. Plotting the above details.		4	Dt- 23/10/2021, Dt- 26/10/2021
	d. Overcoming obstruction in chaining; vision free, chaining obstructed (pond, river) Chaining free, vision obstructed (Rising) Both vision and chaining obstructed (building).		4	Dt- 28/10/2021, Dt- 29/10/2021
	e.Measuring on sloping ground.	NOVEMBER	5	Dt- 02/11/2021, Dt- 05/11/2021, Dt- 8/11/2021
	f. Chain surveying and plotting of small plot by triangulation.		4	Dt- 12/11/2021, Dt- 15/11/2021, Dt- 17/11/2021

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
2	COMPASS SURVEY			
	a. Finding bearing of line and applying check.		5	Dt - 22/11/2021, Dt - 23/11/2021, Dt - 25/11/2021
	b. Closed traversing of a small plot with station (Without intermediate filling)		4	Dt - 28/11/2021, Dt - 30/11/2021
	c. Open traversing of a small length with few station (Without offset)	DECEMBER	5	Dt - 02/12/2021, Dt - 04/12/2021 Dt - 07/12/2021
	d. Plotting both the above traverses applying correction.		5	Dt - 09/12/2021, Dt - 11/12/2021, Dt - 14/12/2021
3	LEVELS			
	a. Temporary and permanent adjustment sensitivity of bubble tube practice with different types of level (Auto level & etc.)		8	Dt - 16/12/2021, Dt - 18/12/2021 Dt - 21/12/2021, Dt - 23/12/2021 Dt - 25/12/2021, Dt - 28/12/2021
4	Temporary & permanent adjustment of the odolite.	JANUARY	7	Dt - 04/01/2022, Dt - 06/01/2022 Dt - 08/01/2022, Dt - 11/01/2022
5	Measurement of horizontal angle by reiteration and repetition methods.		7	Dt - 13/01/2022, Dt - 17/01/2022 Dt - 19/01/2022, Dt - 21/01/2022
6	Measurement of vertical angle.		4	Dt - 24/01/2022, Dt - 27/01/2022 Dt - 29/01/2022


 SIGNATURE OF THE CONCERNED FACULTY


 SIGNATURE OF THE H.O.D.

PRINCIPAL
 Purna Chandra Institute of
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 CHHENDIPADA, ANGUL

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

PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG.

SEMESTER: 3RD

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. RADHAKRUSHNA BHUTIA, (2) ER. SATYABRATA SAHU, (3) ER. PRATYUSH ROUT
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

PRACTICAL SUBJECT: MINING GEOLOGY-1 LAB. (PR-2)

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	IDENTIFICATION OF ROCK FORMING AND ORE MINERALS IN HAND SPECIMENS .	OCTOBER & NOVEMBER	20	Dt- 1/10/2021, Dt- 5/10/2021, Dt- 7/10/2021 Dt- 21/10/2021, Dt- 25/10/2021, Dt- 30/10/2021 Dt- 1/11/2021, Dt- 6/11/2021, Dt- 11/11/2021 Dt- 15/11/2021, Dt- 18/11/2021, Dt- 22/11/21 Dt- 26/11/2021, Dt- 29/11/2021
2	DETERMINATIONS OF SPECIFIC GRAVITY BY WORKERS STEEL YARD BALANCE.	DECEMBER	14	Dt- 1/12/2021, Dt- 3/12/2021, Dt- 8/12/21 Dt- 10/12/2021, Dt- 13/12/2021, Dt- 18/12/21 Dt- 20/12/2021, Dt- 22/12/2021, Dt- 24/12/21 Dt- 27/12/2021, Dt- 31/12/2021
3	ANALYSIS OF THIN SECTIONS OF MINERALS AND ROCKS UNDER THE MICROSCOPES.	JANUARY	14	Dt- 3/1/2022, Dt- 5/1/2022, Dt- 7/1/22 Dt- 10/1/2022, Dt- 12/1/2022, Dt- 16/1/22 Dt- 20/1/2022, Dt- 22/1/2022, Dt- 25/1/2022, Dt- 28/1/2022 Dt- 31/1/2022

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG.

SEMESTER: 3RD

SECTION : MNA1 & MNA2

**NAME OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU, (2) ER. GOBINDA CH. SETHY, (3) ER. DURGA PRASAD SAHU
(LECT. IN MINING ENGG.)**

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

PRACTICAL SUBJECT: MECHANICAL OPERATION IN MINES LAB. (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	BERNOULLI'S THEOREM BY BERNOULLI'S VERIFICATION APPARATUS.	OCTOBER	8	Dt- 1/10/2021, Dt- 5/10/2021, Dt- 8/10/2021 Dt- 19/10/2021, Dt- 22/10/2021, Dt- 25/10/21 Dt- 30/10/2021
2	DETERMINE RATE OF FLOW THROUGH THE VENTURIMETER SET-UP.	NOVEMBER	8	Dt- 1/11/2021, Dt- 3/11/2021, Dt- 6/11/21 Dt- 9/11/2021, Dt- 11/11/2021, Dt- 15/11/21 Dt- 17/11/2021
3	CONDUCT TENSILE TEST OF A MILD STEEL SPECIMEN AND PLOT STRESS STRAIN CURVE, SHOW SALIENT POINT ON IT.		7	Dt- 18/11/2021, Dt- 20/11/2021, Dt- 22/11/21 Dt- 24/11/2021, Dt- 27/11/2021, Dt- 29/11/2021
4	DETERMINE VOLUMETRIC EFFICIENCY OF AIR-COMPRESSOR.	DECEMBER	6	Dt- 2/12/2021, Dt- 7/12/2021, Dt- 9/12/21 Dt- 14/12/2021, Dt- 18/12/2021
5	STUDY OF 2 STROKE AND 4-STROKE DIESEL ENGINES.		5	Dt- 21/12/2021, Dt- 23/12/2021, Dt- 25/12/2021, Dt- 30/12/2021
6	CONDUCT I/C ENGINE TESTING ON SINGLE CYLINDER DIESEL ENGINE AND FIND OUT I.H.P, B.H.P AND MECHANICAL EFFICIENCY.	JANUARY	6	Dt- 4/1/2022, Dt- 8/1/2022, Dt- 13/1/2022, Dt- 19/1/2022, Dt- 27/01/2022

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P. Prasad
31/01/2022

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SEMESTER: 3RD

SECTION: MNB1 & MNB2

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(LECT. IN MINING ENGG.)

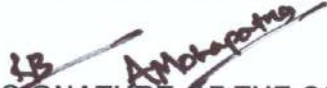
SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

PRACTICAL SUBJECT: MINE SURVEY-I LAB. (PR-1)

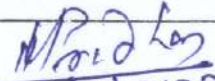
CLASS ALLOTTED /WEEK:- 06 PERIODS

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	CHAIN SURVEY	OCTOBER	4	
	a. Ranging a line more than 100m in length and measuring its correct length applying corrections.		4	Dt - 1.10.21, Dt - 4.10.21, Dt - 5.10.21
	b. Taking off sets of objects on both sides of a line.		4	Dt - 7.10.21, Dt - 8.10.21, Dt - 19.10.21,
	c. Plotting the above details.		4	Dt - 21.10.21, Dt - 22.10.21, Dt - 25.10.21
	d. Overcoming obstruction in chaining; vision free, chaining obstructed (pond, river) Chaining free, vision obstructed (Rising) Both vision and chaining obstructed (building).		4	Dt - 27.10.21, Dt - 28.10.21 Dt - 30.10.21
	e. Measuring on sloping ground.	NOVEMBER	5	Dt - 1.11.21, Dt - 3.11.21, Dt - 6.11.21, Dt - 9.11.21
	f. Chain surveying and plotting of small plot by triangulation.		4	Dt - 11.11.21, Dt - 13.11.21, Dt - 15.11.21, Dt - 16.11.21

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
2	COMPASS SURVEY			
	a. Finding bearing of line and applying check.		5	Dt - 18.11.21, Dt - 20.11.21, Dt - 22.11.21, Dt - 24.11.21
	b. Closed traversing of a small plot with station (Without intermediate filling)		4	Dt - 26.11.21, Dt - 27.11.21, Dt - 29.11.21,
	c. Open traversing of a small length with few station (Without offset)	DECEMBER	5	Dt - 1.12.21, Dt - 3.12.21, Dt - 6.12.21, Dt - 8.12.21,
	d. Plotting both the above traverses applying correction.		5	Dt - 10.12.21, Dt - 13.12.21, Dt - 15.12.21, Dt - 17.12.21,
3	LEVELS			
	a. Temporary and permanent adjustment sensitivity of bubble tube practice with different types of level (Auto level & etc.)		8	Dt - 18.12.21, Dt - 20.12.21, Dt - 22.12.21, Dt - 24.12.21, Dt - 27.12.21, Dt - 29.12.21, Dt - 31.12.21
4	Temporary & permanent adjustment of the odolite.	JANUARY	7	Dt - 3.1.22, Dt - 5.1.22, Dt - 7.1.22, Dt - 10.1.22, Dt - 12.1.22, Dt - 15.1.22
5	Measurement of horizontal angle by reiteration and repetition methods.		7	Dt - 16.1.22, Dt - 18.1.22, Dt - 20.1.22, Dt - 22.1.22, Dt - 23.1.22, Dt - 25.1.22
6	Measurement of vertical angle.		4	Dt - 26.1.22, Dt - 28.1.22, Dt - 31.1.22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG.

SEMESTER: 3RD

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. RADHAKRUSHNA BHUTIA, (2) ER. SATYABRATA SAHU, (3) ER. PRATYUSH ROUT
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

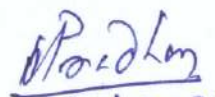
PRACTICAL SUBJECT: MINING GEOLOGY-1 LAB. (PR-2)

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	IDENTIFICATION OF ROCK FORMING AND ORE MINERALS IN HAND SPECIMENS .	OCTOBER & NOVEMBER	20	Dt-4.10.21, Dt-6.10.21, Dt-7.10.21 Dt-9.10.21, Dt-16.10.21, Dt-22.10.21 Dt-23.10.21, Dt-26.10.21, Dt-28.10.21, Dt-29.10.21, Dt-2.11.21, Dt-5.11.21, Dt-8.11.21, Dt-12.11.21, Dt-15.11.21, Dt-17.11.21, Dt-22.11.21, Dt-23.11.21, Dt-25.11.21, Dt-27.11.21, Dt-30.11.21.
2	DETERMINATIONS OF SPECIFIC GRAVITY BY WORKERS STEEL YARD BALANCE.	DECEMBER	14	Dt-2.12.21, Dt-4.12.21, Dt-7.12.21, Dt-9.12.21, Dt-11.12.21, Dt-14.12.21, Dt-16.12.21, Dt-18.12.21, Dt-21.12.21, Dt-23.12.21, Dt-25.12.21, Dt-28.12.21, Dt-30.12.21.
3	ANALYSIS OF THIN SECTIONS OF MINERALS AND ROCKS UNDER THE MICROSCOPES.	JANUARY.	14	Dt-4.1.22, Dt-6.1.22, Dt-8.1.22 Dt-11.1.22, Dt-13.1.22, Dt-17.1.22 Dt-18.1.22, Dt-19.1.22 Dt-21.1.22, Dt-24.1.22 Dt-27.1.22, Dt-29.1.22


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SEMESTER: 3RD

SECTION : MNB1 & MNB2

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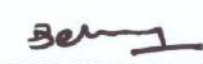
SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

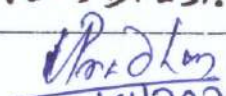
PRACTICAL SUBJECT: MECHANICAL OPERATION IN MINES LAB. (PR-3)

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	BERNOULLI'S THEOREM BY BERNOULLI'S VERIFICATION APPARATUS.	OCTOBER	8	Dt - 4.10.21, Dt - 6.10.21, Dt - 9.10.21 Dt - 23.10.21, Dt - 26.10.21, Dt - 29.10.21.
2	DETERMINE RATE OF FLOW THROUGH THE VENTURIMETER SET-UP.	NOVEMBER	8	Dt - 2.11.21, Dt - 5.11.21, Dt - 8.11.21, Dt - 10.11.21 Dt - 22.11.21
3	CONDUCT TENSILE TEST OF A MILD STEEL SPECIMEN AND PLOT STRESS STRAIN CURVE, SHOW SALIENT POINT ON IT.		7	Dt - 23.11.21, Dt - 25.11.21 Dt - 27.11.21, Dt - 30.11.21
4	DETERMINE VOLUMETRIC EFFICIENCY OF AIR-COMPRESSOR.	DECEMBER	6	Dt - 1.12.21, Dt - 3.12.21, Dt - 6.12.21, Dt - 10.12.21 Dt - 15.12.21, Dt - 17.12.21
5	STUDY OF 2 STROKE AND 4-STROKE DIESEL ENGINES.		5	Dt - 20.12.21, Dt - 22.12.21, Dt - 24.12.21, Dt - 28.12.21.
6	CONDUCT I/C ENGINE TESTING ON SINGLE CYLINDER DIESEL ENGINE AND FIND OUT I.H.P, B.H.P AND MECHANICAL EFFICIENCY.	JANUARY	6	Dt - 3.1.22, Dt - 7.1.22, Dt - 11.1.22, Dt - 20.1.22 Dt - 26.1.22, Dt - 31.1.22

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P.C.I.E.T., CHHENDIPADA, DIST- ANGUL
PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. SUNIL KU. SAHU, (2) ER. SIBASUNDAR MAIKAP, (3) ER. PRATYUSH KU. ROUT, (4) ER. ATISH SAHOO, (5) ER. GOBINDA CH. SETHY (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT : MINE SURVEY - 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	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.	March	1	Dt - 14/3/22
2	Determine the north.		2	Dt - 17/3/22 Dt - 21/3/22
3	Set out curves by Total Station and Theodolites.		1	Dt - 24/3/22
4	Correlate underground and surface survey during survey camp.		1	Dt - 28/3/22
5	Measurement of Horizontal & Vertical angles, measurement of distance by Total Station.		1	Dt - 31/3/22
6	Mining lease boundary survey using Total Station .	April	2	Dt - 4/4/22 Dt - 7/4/22
7	Base line fixation using Total Station.		1	Dt - 7-4-22
8	Coordinate point shifting and reference point shifting by Total Station		2	Dt - 11/4/22 Dt - 18/4/22

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
9	Fixation of control point by 02 traversing (both Horizontal and Vertical control points) with Total Station and auto level.		3	Dt - 21/4/22 Dt - 25/4/22 Dt - 28/4/22
10	Topographic survey & existing features.	MAY	2	Dt - 2/5/22 Dt - 5/5/22
11	Area calculation using software.		2	Dt - 9/5/22 Dt - 12/5/22
12	Volume calculation using software		2	Dt - 19/5/22 Dt - 23/5/22
13	GPS Survey.		1	Dt - 26/5/22
14	Preparation of plan and section using AUTOCAD.	JUNE	4	Dt - 2/6/22 Dt - 6/6/22 Dt - 9/6/22, Dt 13/6/22
15	DGPS Survey.		3	Dt - 16/6/22 Dt 20/6/22 Dt - 23/6/22
16	Reserve calculation of Ore.		2	Dt - 27/6/22 Dt 30/6/22

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. RADHAKRUSHNA BHUTIA, (2) ER. DURGA PRASAD SAHU, (3) ER. PRATYUSH KU. ROUT, (4) ER. AMARENDRA SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT : MINE VENTILATION LAB (PR-2)

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	Determine the relative humidity by stationary hygrometer.	MARCH	2	Dt 14/3/22 Dt 16/3/22
2	Determine the relative humidity by storow's hygrometer.		2	Dt 21/3/22 Dt 23/3/22
3	Determine the cooling power of mine air using Kata thermometer.		1	Dt 28/3/22
4	Study and sketching of air crossing, ventilation doors at pit-top & different types of explosive proof fire stopping.		1	Dt 30/3/22
5	Study & use of Vane Anemometer, Digital Anemometer, Velometer, Pitot static-tube measurement of quantity of air flow. Study of digital pressure meter.	APRIL	2	Dt 4/4/22, Dt 6/4/22
6	Determination of duct characteristic.		2	Dt 11/4/22 Dt 13/4/22
7	Study of constructional features of axial flow and centrifugal fans.		4	Dt 18/4/22, 20/4/22, Dt 25/4/22, Dt 27/4/22
8	Determination of fan characteristic curve.	MAY	4	Dt 2/5/22, Dt 4/5/22, Dt 9/5/22, Dt 11/5/22
9	Study and sketching of regulator, airlocks.		2	Dt 18/5/22, Dt 23/5/22
10	Study and use of digital anemometer.	JUNE	2	Dt 1/6/22, Dt 6/6/22, 8/6/22, 13/6/22, 20/6/22
11	Measurement of quantity of air flow by digital anemometer		3	Dt 22/6/22, 27/6/22, Dt 29/6/22

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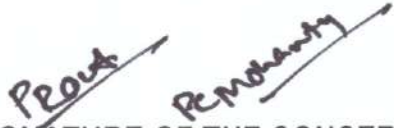
NAME OF THE FACULTY : (1) ER. PRAKASH CH. MOCHARANA (LECT. IN ELECT. ENGG.), (2) ER. PRATYUSH KU. ROUT, (3) PRANAYA KU. BEHERA (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: ELECTRICAL EQUIPMENT IN MINES LAB (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	Prepare an Electrical switch board to control two light points, one plug point, one fan point and put a required fuse.	MARCH	4	01-16/3/22, 19/3/22, 23/3/22 01-26/3/22
2	Study of circuit breakers (Air Circuit Breaker & Oil Circuit Breaker).		1	01-30/3/22
3	Study of Gate End Box.	APRIL	9	01-2/4/22, 6/4/22, 9/4/22 13/4/22, 16/4/22, 20/4/22 23/4/22, 27/4/22, 30/4/22
4	Study of Relays (Buchholz Relay, Over Current Relay).	MAY	8	01-4/5/22, 7/5/22, 11/5/22 14/5/22, 18/5/22, 21/5/22, 25/5/22, 28/5/22
5	Identify the different part of given cable and find fault on the cable.	JUNE	4	01-1/6/22, 01-4/6/22 01-8/6/22, 01-11/6/22
6	By the use of Megger check the continuity of windings, body to winding, body to earth of an 3-Phase induction Motor.		5	01-15/6/22, 01-18/6/22 01-22/6/22, 01-25/6/22 01-29/6/22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. PRABIN KU. SAHOO, (2) ER. DURGA PRASAD SAHU (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

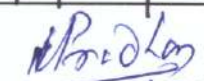
PRACTICAL SUBJECT : TECHNICAL SEMINAR (PR-4)

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
	Seminar Topic:- Longwall method.	MARCH		Dt - 25 / 3 / 22
	Discuss about Longwall method			Dt - 28 / 3 / 22
	power point presentation by the students.	APRIL		Dt - 8 / 4 / 22 . Dt 22 / 4 / 22
	Various types of Longwall method discussion.			Dt 29 / 4 / 22
	Single unit & double unit face discussion.	MAY		Dt - 6 / 5 / 22 . Dt 13 / 5 / 22
	Discuss about cyclic & non cyclic L/W method.			Dt - 20 / 5 / 22 . Dt 27 / 5 / 22
	Discuss about mechanized longwall working.	JUNE		Dt - 3 / 6 / 22
	Discuss about different types of machinery used in longwall method			Dt - 10 / 6 / 22 . Dt 17 / 6 / 22
	Report submit.			Dt - 24 / 6 / 22

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. SUNIL KU. SAHU, (2) ER. SIBASUNDAR MAIKAP, (3) ER. PRATYUSH KU. ROUT, (4) ER. ATISH SAHOO, (5) ER. GOBINDA CH. SETHY (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT : MINE SURVEY - II LAB. (PR-1)

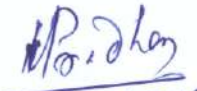
CLASS ALLOTTED /WEEK : 06 PERIODS

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	Fix triangulation and measurement of peripheral and hub angles. Base line measurement applying all corrections and plotting by co-ordinates.	MARCH		Dt-15/3/22 Dt-19/3/22
2	Determine the north.			Dt-22/3/22
3	Set out curves by Total Station and Theodolites.			Dt-26/3/22
4	Correlate underground and surface survey during survey camp.			Dt-29/3/22
5	Measurement of Horizontal & Vertical angles, measurement of distance by Total Station.	APRIL		Dt-2/4/22, Dt-5/4/22 Dt-9/4/22
6	Mining lease boundary survey using Total Station.			Dt-12/4/22 Dt-16/4/22 Dt-19/4/22
7	Base line fixation using Total Station.			Dt-23/4/22 Dt-26/4/22
8	Coordinate point shifting and reference point shifting by Total Station			Dt-30/4/22

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
9	Fixation of control point by 02 traversing (both Horizontal and Vertical control points) with Total Station and auto level.	MAY		Dt- 6/5/22 Dt- 7/5/22
10	Topographic survey & existing features.			Dt- 10/5/22 Dt- 14/5/22 Dt- 17/5/22
11	Area calculation using software.			Dt- 24/5/22 Dt- 28/5/22
12	Volume calculation using software			Dt 31/5/22
13	GPS Survey.	JUNE		Dt 4/6/22 Dt 7/6/22
14	Preparation of plan and section using AUTOCAD.			Dt- 11/6/22 Dt- 18/6/22
15	DGPS Survey.			Dt 21/6/22
16	Reserve calculation of Ore.			Dt 25/6/22 Dt 28/6/22

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. RADHAKRUSHNA BHUTIA, (2) ER. DURGA PRASAD SAHU, (3) ER. PRATYUSH KU. ROUT, (4) ER. AMARENDRA SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

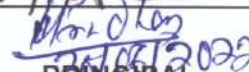
PRACTICAL SUBJECT : MINE VENTILATION LAB (PR-2)

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	Determine the relative humidity by stationary hygrometer.	MARCH		Dt - 15/3/22, 22/3/22
2	Determine the relative humidity by storow's hygrometer.			Dt 25/3/22 Dt 29/3/22
3	Determine the cooling power of mine air using Kata thermometer.	APRIL		Dt - 5/4/22, Dt 8/4/22 Dt 12/4/22, Dt 19/4/22
4	Study and sketching of air crossing, ventilation doors at pit-top & different types of explosive proof fire stopping.			Dt 22/4/22, Dt 26/4/22 Dt - 29/4/22
5	Study & use of Vane Anemometer, Digital Anemometer, Velometer, Pitot static-tube measurement of quantity of air flow. Study of digital pressure meter.	MAY		6/5/22 10/5/22 13/5/22
6	Determination of duct characteristic.			Dt - 17/5/22, Dt 20/5/22
7	Study of constructional features of axial flow and centrifugal fans.			Dt - 27/5/22
8	Determination of fan characteristic curve.			Dt - 31/5/22
9	Study and sketching of regulator, airlocks.	JUNE		Dt - 3/6/22 Dt 7/6/22
10	Study and use of digital anemometer.			Dt - 10/6/22 Dt 17/6/22
11	Measurement of quantity of air flow by digital anemometer			Dt - 21/6/22 Dt - 24/6/22 Dt - 28/6/22

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. PRAKASH CH. MOHARANA (LECT. IN ELECT. ENGG.), (2) ER. PRATYUSH KU. ROUT, (3) PRANAYA KU. BEHERA (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

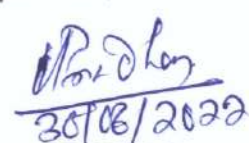
PRACTICAL SUBJECT: ELECTRICAL EQUIPMENT IN MINE LAB (PR-3)

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	Prepare an Electrical switch board to control two light points, one plug point, one fan point and put a required fuse.	MARCH		DT - 17/3/22 DT - 24/3/22
2	Study of circuit breakers (Air Circuit Breaker & Oil Circuit Breaker).			DT - 25/3/22 DT - 31/3/22
3	Study of Gate End Box.	APRIL		DT - 7/4/22, DT 8/4/22, DT 21/4/22, DT 22/4/22, DT 28/4/22, DT 29/4/22
4	Study of Relays (Buchholz Relay, Over Current Relay).	MAY		DT - 5/5/22, 6/5/22, 12/5/22, 13/5/22, 19/5/22, 20/5/22, 26/5/22, 27/5/22
5	Identify the different part of given cable and find fault on the cable.	JUNE		DT - 2/6/22, DT 3/6/22 DT - 9/6/22, DT 10/6/22
6	By the use of Megger check the continuity of windings, body to winding, body to earth of an 3-Phase induction Motor.			DT - 16/6/22, DT 17/6/22 DT - 23/6/22, DT 24/6/22 DT 25/6/22, DT 31/6/22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 4TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. PRABIN KU. SAHOO, (2) ER. DURGA PRASAD SAHU (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

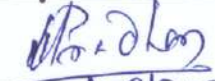
PRACTICAL SUBJECT : TECHNICAL SEMINAR (PR-4)

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
	Seminar Topic: Longwall	MARCH		Dt. 25 3 22
	Method.			
	Discuss about Longwall method.			Dt. 28 3 22
	power point presentation by the students.	APRIL		Dt. 8 4 22
	Various types of Longwall method discussion.			Dt. 22 4 22, 29 4 22
	single unit & double unit face discussion.	MAY		Dt. 6 5 22, 13 5 22
	Discuss about cyclic & noncyclic L/W layout.			Dt. 20 5 22, 27 5 22
	Discuss about mechanized longwall working.	JUNE		Dt. 3 6 22
	Discuss about different types of machinery used in longwall method.			Dt. 10 6 22
	Report Submit			Dt. 17 6 22, & 24 6 22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 5TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. DILLIP KU. DEHURY, (2) ER. UDAYA BISWANATH PRADHAN, (3) ER. PRATYUSH ROUT
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

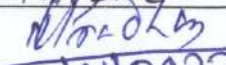
PRACTICAL SUBJECT: MINE HAZARD & SAFETY LAB. (PR-1)

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	Estimation of CH ₄ in air sample using flame safety lamp and detection by a methanometer.	OCTOBER	6	Dt- 4/10/2021, Dt- 6/10/2021, Dt- 7/10/2021 Dt- 9/10/2021, Dt- 18/10/2021
2	Accumulation & percentage test of CH ₄ by flame safety lamp.		6	Dt- 22/10/2021, Dt- 23/10/2021, Dt- 26/10/2021 Dt- 28/10/2021, Dt- 29/10/2021
3	Study & use of different types of methonometer	NOVEMBER	5	Dt- 2/11/2021, Dt- 5/11/2021, Dt- 8/11/2021 Dt- 10/11/2021
4	Determination of CO by using CO-dectector.		5	Dt- 12/11/2021, Dt- 15/11/2021, Dt- 17/11/2021 Dt- 22/11/2021
5	Determination of CO ₂ in air sampling by CO ₂ detectors		5	Dt- 23/11/2021, Dt- 25/11/2021, Dt- 27/11/21 Dt- 30/11/2021
6	Gas analysis by (I) Orsat apparatus	DECEMBER	6	Dt- 2/12/2021, Dt- 4/12/2021, Dt- 7/12/21 Dt- 9/12/21
7	Haldane apparatus for gas analysis.		6	Dt- 11/12/21, Dt- 14/12/2021, Dt- 16/12/21 Dt- 18/12/2021
8	Study & uses of Konimeter.		6	Dt- 21/12/2021, Dt- 23/12/2021, Dt- 25/12/21 Dt- 28/12/2021, Dt- 30/12/2021
9	Sampling of dust by gravimetric dust sampler	JANUARY	6	Dt- 4/01/2022, Dt- 6/01/2022, Dt- 8/01/22 Dt- 11/01/2022
10	Study of Rescue Apparatus.		6	Dt- 13/01/2022, Dt- 17/01/2022, Dt- 19/01/22 Dt- 21/01/2022
11	Multi gas Detector (NO _x , H ₂ S, CO, CO ₂)		5	Dt- 24/01/2022, Dt- 27/01/2022 Dt- 29/01/2022


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 5TH

SECTION : MNA1 & MNA2

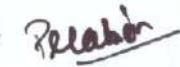
NAME OF THE FACULTY : (1) ER.RADHAKRUSHNA BHUTIA, (2) ER. PRABIN KU. SAHOO, (3) ER. ALOK KU. MAHAPATRA
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

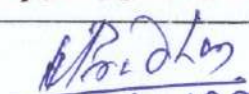
PRACTICAL SUBJECT: MINE MACHINERY – I LAB (PR-2)

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	Study of Wire rope.	OCTOBER	6	dt-1.10.21, dt-4.10.21, dt-5.10.21, dt-7.10.21, dt-8.10.21, dt-9.10.21,
2	Study of rope splicing.		6	dt-19.10.21, dt-21.10.21, dt-22.10.21, dt-25.10.21, dt-27.10.21, dt-30.10.21,
3	Study of rope cappel.	NOVEMBER	5	dt-1.11.21, dt-3.11.21, dt-6.11.21, dt-9.11.21, dt-11.11.21,
4	Study of safety hook.		5	dt-13.11.21, dt-15.11.21, dt-16.11.21, dt-18.11.21, dt-20.11.21,
5	Study of keps.		5	dt-22.11.21, dt-24.11.21, dt-26.11.21, dt-27.11.21, dt-29.11.21,
6	Study of guide in shaft.	DECEMBER	6	dt-1.12.21, dt-3.12.21, dt-6.12.21, dt-8.12.21, dt-9.12.21,
7	Study of clips used in endless rope haulage.		6	dt-10.12.21, dt-13.12.21, dt-15.12.21, dt-17.12.21, dt-18.12.21, dt-20.12.21,
8	Model Development of Headgear Structure.		6	dt-22.12.21, dt-24.12.21, dt-27.12.21, dt-28.12.21, dt-29.12.21, dt-31.12.21,
9	Model Development of Suspension Gear.	JANUARY	5	dt-3.1.22, dt-4.1.22, dt-7.1.22, dt-10.1.22, dt-11.1.22,
10	Model Development of different types of winding drum.		6	dt-12.1.22, dt-13.1.22, dt-14.1.22, dt-18.1.22, dt-20.1.22, dt-22.1.22,
11	Model development of different types of safety devices used in haulage roadways.		6	dt-23.1.22, dt-25.1.22, dt-26.1.22, dt-28.1.22, dt-31.1.22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 5TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. ALOK KU. MAHAPATRA, (2) ER. DILLIP KUMAR DEHURY, (3) ER. SIBASUNDAR MAIKAP
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

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

CLASS ALLOTTED /WEEK : 04 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	OCTOBER	4	Dt-4.10.21, Dt-6.10.21, Dt-9.10.21, Dt-18.10.21,
2	Planning and execution of considerations		4	Dt-22.10.21, Dt-26.10.21, Dt-28.10.21, Dt-29.10.21
3	Quality of performance	NOVEMBER	6	Dt-2.11.21, Dt-05.11.21, Dt-8.11.21, Dt-10.11.21
4	Providing solution of the problems or production of final product		5	Dt-12.11.21, Dt-15.11.21, Dt-17.11.21, Dt-22.11.21,
5	Sense of responsibility		5	Dt-23.11.21, Dt-25.11.21, Dt-27.11.21
6	Self expression/ communication/ Presentation skills	DECEMBER	5	Dt-2.12.21, Dt-4.12.21, Dt-7.12.21, Dt-9.12.21
7	Interpersonal skills/human relations		5	Dt-11.12.21, Dt-14.12.21, Dt-16.12.21, Dt-18.12.21,
8	Report writing skills	JANUARY	6	Dt-4.1.22, Dt-6.1.22, Dt-13.1.22, Dt-17.1.22
9	Viva voce		5	Dt-24.1.22, Dt-27.1.22, Dt-29.1.22
10				

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 5TH

SECTION : MNB1 & MNB2

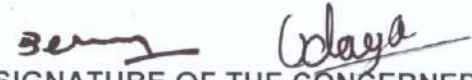
NAME OF THE FACULTY : (1) ER. DILLIP KU. DEHURY, (2) ER. UDAYA BISWANATH PRADHAN, (3) ER. PRATYUSH ROUT
(LECT. IN MINING ENGG.)

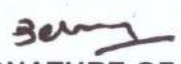
SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

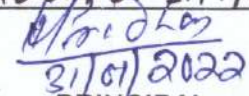
PRACTICAL SUBJECT: MINE HAZARD & SAFETY LAB. (PR-1)

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	Estimation of CH ₄ in air sample using flame safety lamp and detection by a methanometer.	OCTOBER	6	Dt- 1/10/2021, Dt- 4/10/2021, Dt- 5/10/2021 Dt- 7/10/2021, Dt- 8/10/2021, Dt- 9/10/2021
2	Accumulation & percentage test of CH ₄ by flame safety lamp.		6	Dt- 19/10/2021, Dt- 21/10/2021, Dt- 22/10/2021 Dt- 25/10/2021, Dt- 27/10/2021, Dt- 30/10/2021
3	Study & use of different types of methonometer	NOVEMBER	5	Dt- 1/11/2021, Dt- 3/11/2021, Dt- 6/11/2021 Dt- 9/11/2021, Dt- 11/11/2021
4	Determination of CO by using CO-dectector.		5	Dt- 13/11/2021, Dt- 15/11/2021, Dt- 16/11/2021 Dt- 18/11/2021, Dt- 20/11/2021
5	Determination of CO ₂ in air sampling by CO ₂ detectors		5	Dt- 22/11/2021, Dt- 24/11/2021, Dt- 26/11/21 Dt- 27/11/2021, Dt- 29/11/2021
6	Gas analysis by (I) Orsat apparatus	DECEMBER	6	Dt- 1/12/2021, Dt- 3/12/2021, Dt- 6/12/2021 Dt- 8/12/2021, Dt- 9/12/2021, Dt- 10/12/21
7	Haldane apparatus for gas analysis.		6	Dt- 13/12/2021, Dt- 15/12/2021, Dt- 17/12/21 Dt- 18/12/2021, Dt- 20/12/2021
8	Study & uses of Konimeter.		6	Dt- 22/12/2021, Dt- 24/12/2021, Dt- 27/12/21 Dt- 28/12/2021, Dt- 29/12/2021, Dt- 31/12/21
9	Sampling of dust by gravimetric dust sampler	JANUARY	5	Dt- 3/1/2022, Dt- 4/1/2022, Dt- 7/1/2022 Dt- 10/1/2022, Dt- 11/1/2022
10	Study of Rescue Apparatus.		6	Dt- 12/1/2022, Dt- 15/1/2022, Dt- 16/1/2022 Dt- 18/1/2022, Dt- 20/1/2022, Dt- 22/1/22
11	Multi gas Detector (NO _x , H ₂ S, CO, CO ₂)		6	Dt- 23/1/2022, Dt- 25/1/2022, Dt- 26/1/2022 Dt- 28/1/2022, Dt- 31/1/2022


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 5TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER.RADHAKRUSHNA BHUTIA, (2) ER. PRABIN KU. SAHOO, (3) ER. ALOK KU. MAHAPATRA
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

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

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	Study of Wire rope.	OCTOBER	6	01.10.21, 01-06.10.21, 01-07.10.21, 01-09.10.21, 01-18.10.21
2	Study of rope splicing.		6	01-22.10.21, 01-23.10.21, 01-26.10.21, 01-28.10.21, 01-29.10.21
3	Study of rope cappel.	NOVEMBER	5	01-2.11.21, 01-5.11.21, 01-8.11.21, 01-10.11.21
4	Study of safety hook.		5	01-12.11.21, 01-15.11.21, 01-17.11.21, 01-22.11.21
5	Study of keps.		5	01-23.11.21, 01-25.11.21, 01-27.11.21, 01-30.11.21
6	Study of guide in shaft.	DECEMBER	6	01-2.12.21, 01-4.12.21, 01-7.12.21, 01-9.12.21
7	Study of clips used in endless rope haulage.		6	01-11.12.21, 01-14.12.21, 01-16.12.21, 01-18.12.21
8	Model Development of Headgear Structure.		6	01-21.12.21, 01-23.12.21, 01-25.12.21, 01-28.12.21, 01-30.12.21
9	Model Development of Suspension Gear.	JANUARY	6	01-4.1.22, 01-6.1.22, 01-8.1.22, 01-11.1.22
10	Model Development of different types of winding drum.		6	01-13.1.22, 01-17.1.22, 01-19.1.22, 01-21.1.22
11	Model development of different types of safety devices used in haulage roadways.		5	01-24.1.22, 01-27.1.22, 01-29.1.22

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 5TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. ALOK KU. MAHAPATRA, (2) ER. DILLIP KUMAR DEHURY, (3) ER. SIBASUNDAR MAIKAP
(LECT. IN MINING ENGG.)

SEMESTER FROM DT. 01.10.2021 TO 31.01.2022

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

CLASS ALLOTTED /WEEK : 04 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	OCTOBER	4	Dt- 11/10/2021, Dt- 5/10/2021 Dt- 5/10/2021, Dt- 8/10/2021
2	Planning and execution of considerations		4	Dt- 9/10/2021, Dt- 19/10/2021 Dt- 27/10/2021, Dt- 30/10/2021
3	Quality of performance	NOVEMBER	6	Dt- 1/11/2021, Dt- 3/11/2021 Dt- 6/11/2021, Dt- 9/11/2021
4	Providing solution of the problems or production of final product		5	Dt- 13/11/2021, Dt- 15/11/2021 Dt- 18/11/2021, Dt- 20/11/2021
5	Sense of responsibility		5	Dt- 22/11/2021, Dt- 24/11/2021 Dt- 27/11/2021, Dt- 29/11/2021
6	Self expression/ communication/ Presentation skills	DECEMBER	5	Dt- 3/12/2021, Dt- 6/12/2021 Dt- 9/12/2021, Dt- 13/12/2021
7	Interpersonal skills/human relations		5	Dt- 18/12/2021, Dt- 22/12/2021 Dt- 27/12/2021, Dt- 29/12/2021
8	Report writing skills	JANUARY	6	Dt- 7/1/2022, Dt- 11/1/2022 Dt- 15/1/2022
9	Viva voce		5	Dt- 18/1/2022, Dt- 25/1/2022 Dt- 28/1/2022, Dt- 31/1/2022
10				

Alok Kumar Mahapatra
31/01/2022

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P.C.I.E.T., CHHENDIPADA, DIST- ANGUL
PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (3) ER. ATISH SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

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	MARCH	6	Dt - 14.3.22, Dt - 16.3.22 Dt - 21.3.22, Dt - 23.3.22 Dt - 26.3.22, Dt - 30.3.22
2	Megascopic identification of Sedimentary rocks in hand specimens	APRIL	5	Dt - 4.4.22, 6.4.22, Dt - 11.4.22 Dt - 13.4.22, Dt - 18.4.22
3	Megascopic identification of Metamorphic rocks in hand specimens		3	Dt - 20.4.22, Dt - 25.4.22 Dt - Dt - 27.4.22
4	Interpretation of contour maps and preparation of the profile section for it	MAY	7	Dt - 2.5.22, Dt - 4.5.22, 9.5.22 Dt - 11.5.22, Dt - 18.5.22, Dt - 23.5.22, Dt - 25.5.22 Dt - 30.5.22
5	Interpretation of geological maps and preparation of the profile Section for it	JUNE	4	Dt - 1.6.22, Dt - 6.6.22 Dt - 8.6.22, Dt - 13.6.22
6	Describe the specific gravity of small specimen by Joley's spring balance		4	Dt - 20.6.22, Dt - 22.6.22 Dt - 27.6.22, Dt - 29.6.22

S. Samal
A. S. H.
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P.C.I.E.T., CHHENDIPADA, DIST- ANGUL
PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY, (3) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

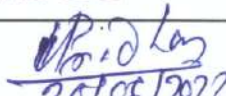
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

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	MARCH	3	Dt - 15.3.22, Dt - 17.3.22
2	Study of Turbine Pumps		2	Dt - 22.3.22 Dt - 24.3.22,
3	Study of Roto Pump	APRIL	3	Dt - 29.3.22, Dt - 31.3.22 Dt - 5.4.22.
4	Study of Sinking Pump		4	Dt - 7.4.22, Dt - 12.4.22 Dt - 19.4.22
5	Study of electric coal drills & its accessories		3	Dt - 21.4.22, Dt - 26.4.22 Dt - 28.4.22
6	Study of Jack Hammer Drill with air leg	MAY	4	Dt - 5.5.22, Dt - 10.5.22 Dt - 12.5.22
7	Study of scrapper & shaker conveyor		5	Dt - 17.5.22, Dt - 19.5.22 Dt - 26.5.22
8	Study of scrapper loader	JUNE	2	Dt - 31.5.22, 2.6.22 Dt - 7.6.22
9	Model Development of Gathering arm loader		4	Dt - 9.6.22, Dt - 16.6.22 Dt - 21.6.22
10	Study of Electric Coal Drill.		3	Dt - 23.6.22, Dt - 28.6.22 Dt - 30.6.22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1 & MNA2

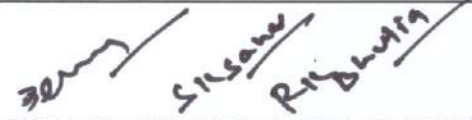
NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY, (2) ER. SUNIL KUMAR SAHU, (3) ER. RADHAKRUSHNA BHUTIA, (4) ER. UDAYA BISWANATH PRADHAN, (5) ER. GOBINDA CHANDRA SETHY (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

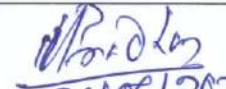
PRACTICAL SUBJECT: PROJECT PHASE - II (PR-3)

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	Selection of project assignment	MARCH	1	Dt - 19.3.22
2	Planning and execution of considerations		2	Dt - 25.3.22 Dt - 26.3.22
3	Quality of performance	APRIL	3	Dt - 2.4.22, Dt - 8.4.22 Dt - 9.4.22
4	Providing solution of the problems or production of final product		4	Dt - 16.4.22, Dt - 22.4.22 Dt - 23.4.22, Dt - 29.4.22 Dt - 30.4.22
5	Sense of responsibility	MAY	5	Dt - 6.5.22, Dt - 7.5.22, 13.5.22 Dt - 14.5.22, Dt - 20.5.22
6	Self expression/ communication/ Presentation skills		3	Dt - 21.5.22, Dt - 27.5.22 Dt - 28.5.22
7	Interpersonal skills/human relations	JUNE	2	Dt - 3.6.22, Dt - 4.6.22
8	Report writing skills		3	Dt - 10.6.22, Dt - 11.6.22 Dt - 17.6.22
9	Viva voce		3	Dt - 18.6.22, Dt - 24.6.22 Dt - 25.6.22
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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNA1 & MNA2

NAME OF THE FACULTY : (1) ER. AMARENDRA SAHOO, (2) ER. UDAYA BISWANATH PRADHAN (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

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	MARCH	1	Dt - 25.3.22
2	PROBLEM SOLVING	APRIL	2	Dt - 8.4.22, Dt - 22.4.22,
3	PRESENTATION SKILL		1	Dt - 29.4.22
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	MAY	3	Dt - 6.5.22, Dt - 13.5.22, Dt - 20.5.22,
5	WORKING IN TEAM	JUNE	2	Dt - 27.5.22 Dt - 3.6.22
6	TASK MANAGEMENT		3	Dt - 10.6.22 Dt - 17.6.22, Dt - 24.6.22
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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22				
BRANCH:-MINING ENGG		SEMESTER: 6TH		SECTION : MNB1 & MNB2
NAME OF THE FACULTY : (1) ER. SRIKANTA SAMAL, (3) ER. ATISH SAHOO (LECT. IN MINING ENGG.)				
SEMESTER FROM DT. 14.03.2022 TO 30.06.2022			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	MARCH	6	Dt - 15.3.22, Dt - 17.3.22, Dt - 22.3.22, Dt - 24.3.22 Dt - 29.3.22, Dt - 31.3.22
2	Megascopic identification of Sedimentary rocks in hand specimens	APRIL	5	Dt - 2.4.22, Dt - 5.4.22 Dt - 7.4.22, Dt - 12.4.22 Dt - 19.4.22
3	Megascopic identification of Metamorphic rocks in hand specimens		3	Dt - 29.4.22, Dt - 26.4.22 Dt - 28.4.22
4	Interpretation of contour maps and preparation of the profile section for it	MAY	7	Dt - 5.5.22, Dt - 10.5.22, 12.5.22 Dt - 17.5.22, Dt - 19.5.22, Dt - 25.5.22, Dt - 31.5.22
5	Interpretation of geological maps and preparation of the profile Section for it	JUNE	4	Dt - 2.6.22, Dt - 7.6.22 Dt - 9.6.22, Dt - 16.6.22
6	Describe the specific gravity of small specimen by Joley's spring balance		4	Dt - 21.6.22, Dt - 23.6.22 Dt - 28.6.22, Dt - 30.6.22 DOL

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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1 & MNB2

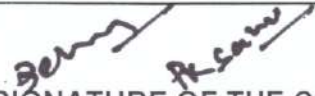
NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY, (3) ER. PRABIN KUMAR SAHOO (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

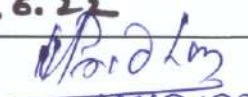
PRACTICAL SUBJECT: MINE MACHINERY – II LAB (PR-2)

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	MARCH	3	Dt - 16.3.22, Dt - 21.3.22 Dt - 23.3.22
2	Study of Turbine Pumps		2	Dt - 26.3.22 Dt - 30.3.22
3	Study of Roto Pump	APRIL	3	Dt - 4.4.22, Dt - 6.4.22 Dt - 11.4.22
4	Study of Sinking Pump		4	Dt - 13.4.22, Dt - 18.4.22 Dt - 20.4.22
5	Study of electric coal drills & its accessories		3	Dt - 25.4.22, Dt - 27.4.22
6	Study of Jack Hammer Drill with air leg	MAY	4	Dt - 2.5.22, Dt - 4.5.22 Dt - 9.5.22, Dt - 11.5.22
7	Study of scrapper & shaker conveyor		5	Dt - 16.5.22, Dt - 23.5.22 Dt - 23.5.22
8	Study of scrapper loader		2	Dt - 25.5.22, Dt - 30.5.22
9	Model Development of Gathering arm loader	JUNE.	4	Dt - 1.6.22, Dt - 6.6.22, 8.6.22 Dt - 13.6.22, Dt - 20.6.22
10	Study of Electric Coal Drill.		3	Dt - 22.6.22, Dt - 27.6.22 Dt - 29.6.22


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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. DILLIP KUMAR DEHURY, (2) ER. SUNIL KUMAR SAHU, (3) ER. RADHAKRUSHNA BHUTIA, (4) ER. UDAYA BISWANATH PRADHAN, (5) ER. GOBINDA CHANDRA SETHY (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

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

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	Selection of project assignment	MARCH	1	Dt - 19.3.22
2	Planning and execution of considerations		2	Dt - 25.3.22 Dt - 26.3.22
3	Quality of performance	APRIL	3	Dt - 2.4.22, Dt - 8.4.22, Dt - 9.4.22
4	Providing solution of the problems or production of final product		5	Dt - 16.4.22, Dt - 22.4.22 Dt - 23.4.22, Dt - 29.4.22 Dt - 30.4.22
5	Sense of responsibility	MAY	4	Dt - 6.5.22, Dt - 7.5.22, Dt - 13.5.22 Dt - 14.5.22, 20.5.22,
6	Self expression/ communication/ Presentation skills		3	Dt - 21.5.22, Dt - 27.5.22 Dt - 28.5.22
7	Interpersonal skills/human relations	JUNE	2	Dt - 3.6.22, Dt - 4.6.22
8	Report writing skills		3	Dt - 10.6.22, Dt - 11.6.22 Dt - 17.6.22,
9	Viva voce		3	Dt - 18.6.22, Dt - 24.6.22 Dt - 25.6.22
10				

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Radhakrushna Bhutia
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PRACTICAL LESSON PLAN FOR THE SESSION 2021-22

BRANCH:-MINING ENGG

SEMESTER: 6TH

SECTION : MNB1 & MNB2

NAME OF THE FACULTY : (1) ER. AMARENDRA SAHOO, (2) ER. UDAYA BISWANATH PRADHAN (LECT. IN MINING ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: LIFE SKILLS (PR-4)

CLASS ALLOTTED /WEEK : 02 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	SOCIAL SKILL	MARCH	1	Dt - 3.3.22
2	PROBLEM SOLVING	APRIL	2	Dt - 8.4.22, Dt - 22.4.22
3	PRESENTATION SKILL		1	Dt - 29.4.22
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES	MAY	3	Dt - 6.5.22, Dt - 13.5.22 Dt - 20.5.22,
5	WORKING IN TEAM	JUNE	2	Dt - 27.5.22 Dt - 3.6.22
6	TASK MANAGEMENT		3	Dt - 10.6.22 Dt - 17.6.22, Dt - 24.6.22
7				
8				
9				

Amarendra
SIGNATURE OF THE CONCERNED FACULTY

Udaya

30/06/2022
SIGNATURE OF THE H.O.D.

30/06/2022
PRINCIPAL

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