			PADA, DIST- ANGUL	
	PRACTICAL	LESSON PLAN	FOR THE SESSION 2021-22	
BRAN	CH:- CIVIL ENGG.	SEMESTE		SECTION:- C1
NAME	OF THE FACULTY: (1) ER. SIBANI SAHU, (2) ER. BA	BITA SAHU, (3	) ER. NANDINI PRADHAN (LECT. IN	CIVIL ENGG.)
	STER FROM DT.01.10.2021 TO 31.01.2022	F	PRACTICAL SUBJECT: CIVIL ENGINE	EERING LABI (PR-1)
	S ALLOTTED /WEEK:- 6 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)	MATERIAL TESTING LABORATORY		20	
1	Determination of young's modulus of steel in a tensile testing machine.	OLTOBER	0410	D4-23-10-2021
2	Determination of fineness of cement by sieving.	2021		01-27-10-2021
3	Determination of normal consistency, initial and final setting time of cement.	NOVEMBER		Dd. 29.10.2021 & Dd - 05.11.2021
4	Determination of soundness of cement by Le-chatelier apparatus.	2021		D4-10-11-2021
5	Determination of compressive strength of cement.			D4-12-11-2021
6	Determination of compressive strength of burnt clay,fly ash bricks and blocks .			Dd. 17-11-2021 & Dd. 24-11-2021
7	Grading of fine & coarse aggregate by sieving for concrete.			04-26-11-2021
8	Determination of specific gravity and bulking of sand.	DECEMBER		Dd - 01.13.2021
9	Determination of specific gravity and bulk density of coarse aggregate.	9051		D4-03-12-2021 & D4-08-12-
10				01-10-12-2021

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
11	Determination of flakiness ,elongation of road aggregates.			Dt-16-12-2021
12	Determination of crushing value test of aggregates.			D1-17-12-2021 & D1-22-12-2021
13	Los -Angeles abrasion test of aggregate.			D1-21-12-2018 04-29-17-202
14	Impact test of aggregate.			DX - 31-12-2021
15	Determination of soundness test of road aggregates.	JANIUARY		01-05-01-2022
(11)	CONCRETE LABORATORY	2022	10	
16	Determination of compressive strength of concrete cubes	To a second		D1-05-01-2022
17	Determination of workability of concrete by:  (a)Slump cone method  (b)Compaction factor method.			Dx - 07.01.2022, Dx - 12.01.2022
18				D4-21.01.2022 &

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			PADA, DIST- ANGUL	
	PRACTICAL		FOR THE SESSION 2021-22	ON:- C1
BRAN	CH:- CIVIL ENGG.	SEMESTE	IK. SKD	
JAME	CH:- CIVIL ENGG. OF THE FACULTY: (1) ER. SUJATA DALEI, (2) ER. SI SOUMYADARSINI SWAIN (T.A.)			
	STER FROM DT.01.10.2021 TO 31.01.2022	PRAC	CTICAL SUBJECT: CIVIL ENGINEERIN	
				,
SI. No.	S ALLOTTED /WEEK:- 5 PERIODS  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	AUTOCAD SOFTWARE		09	. "
.1	4.4 Pages of the draw format edit dimension modify	OCTOBER		Dx-18-10-2021 & Dx-21-10-202
	1.2.Draw 2D drawings of the following building components,doors,windows,cross section through wall ,spread footing,column footing,stair case,R.C.C . T-beam and slab.	NOVEMBER		Dd-25.10.2021, Dd-28.10.20 & Dd-01.11.2021
	1.3-Develop Isometric drawings of simple objects.			01-08-11-2021 A Dd-11-91-20
	1.4.Develope 3D drawing of simple objects.			Dd-15-11-2021& Dd 18-11-207
Process	2 PLAN, ELEVATION AND SECTIONAL ELEVATION OF FLAT ROOF BUILDING FROM LINE DIAGRAM AND GIVEN SPECIFICATION WITH USE OF AUTOCAD SOFTWARE.		08	
	2.1.Plan at window sill level of a single storeyed R.C. roof slab building with elevation and sectional views from given line diagram and specification.			Dd-12.11.2021, Dd-25.11.202
	2.2.Detail drawing of double storeyed pucca building with R.C.C stair case from line diagram and given specification.	DECEMBER	2	DX - 02.12.2021 & DX - 06.12.

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
	2.3.Preparation of approval drawing of a residental building as per the norms of local approving authority with site plan, index plan etc.			Dt- 16-17-2021
3	PLAN, ELEVATION AND SECTIONAL ELEVATION OF FLAT ROOF BUILDING WITH AC SHEET/GC/TILES ON WOODEN STRUCTURE WITH USE OF AUTOCAD COMMANDS. Detail drawing of inlined roof building from given line diagram and specification (gabbled/hipped).	JAMUARY	03	D1-27.12.2021, D1-28.12.2021  D1-27.12.2021, D1-38.12.2021  Revision - 03.01.2022
4	BUILDING PLANNING:		05	
4	4.1.Planning of building for specific cost based on approximate plinth area rate.			D1-06.01.2022 & D1-10.01.2022
	4.2.Orientation of buildings,location of openings and living areas.			D1-13-01-2022 & D1-17-01-2022
	4.3.Line plan of school ,hostel ,market complex and dispensary building.			D1-20.01.2022, D1.21.01.2002 Revision - D1 - 27.01.2022

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Puma Chandra Institute of Engineering & Technology CHHENDIPADA, ANGUL

# P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021-22 SEMESTER: 3RD

BRANCH:- CIVIL ENGG.

NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SWARNAPRAVA PARIDA, (3) ER. SUMANTA KUMAR SAHOO

(LECT. IN CIVIL ENGG.), (4) ER. SATYABRATA DEHURY (T.A.)

SEMESTER FROM DT.01.10.2021 TO 31.01.2022

PRACTICAL SUBJECT: ESTIMATING PRACTICE (PR-3)

SECTION:- C1

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
	Preparation of plinth area estimate & detailed estimate for the following ;	OGTOBER	20	
1	1.1.Single storeyed two roomed building with specification as per orissa P.W.D schedule of rates and analysis of rates.	November		Dt.26. 10. 2021, Dt. 02. 11. 2021  Dt. 09.11. 2021
	1.2.A two storeyed pucca building with specification as per orissa P.W.D schedule of rates and analysis of rates.			Dt.16.11.2021, Dt. 23.11.2021 Dt.30.11.2021
2	Analysis of rates in detail for the above items of building basing on orissa Govt. analysis of rate with help of MS. Excel software.	DECEMBER		Dt.07.12.2021, Dt.14.12.202 Dt.21.12.2021
3	Calculation of dry materials for different items of works basing on orissa Govt. analysis of rate with help of Excel software.	JANUARY		Dt. 28.10. 2021, Dt.04.01.2022
4	Preparation of abstract of cost and bill of quantities of the estimates as per item no. 1.0 above with help of MS. EXCEL software.			Dt. 18.01.2022 & Dt. 25.01.2023

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-5	P.C.I.F	E.T., CHHENDI	PADA, DIST- ANGUL	
	PRACTICAL	LESSON PLAN	FOR THE SESSION 2021-22	
		SEMESTE	R: 3RD	SECTION:- C2
BRANC	ICH:- CIVIL ENGG. E OF THE FACULTY: (1) ER. SIBANI SAHU, (2) ER. BA	ARITA SAHU. (3)	B) ER. NANDINI PRADHAN (LECT. IN C	CIVIL ENGG.)
NAME	OF THE FACULTY : (1) ER. SIBANI SARIO, (2) ETC.	I I	PRACTICAL SUBJECT: CIVIL ENGINE	ERING LABI (PR-1)
	STER FROM DT.01.10.2021 TO 31.01.2022	100	TAS	
CLAS	S ALLOTTED /WEEK:- 6 PERIODS	MONTH	AS PER ACADEMIC CALENDAR &	ACTUAL PROGRESS OF THE
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	TIME TABLE CLASS DAYS	DATES
(1)	MATERIAL TESTING LABORATORY		20	
1	Determination of young's modulus of steel in a tensile testing machine.	OCTOBER		01-22.10.2021
2	Determination of fineness of cement by sieving.	2021		D4- 27. 10.2021
3	Determination of normal consistency, initial and final setting time of cement.	NOVEMBER		D4-29-10-2021 & D4-05-11-202
4	Determination of soundness of cement by Le-chatelier apparatus.	2021		D4- 10-11-2021
5	Determination of compressive strength of cement.			04-12-11-2021
6	Determination of compressive strength of burnt clay,fly ash bricks and blocks .	У		Dx-17-11-2021 & Dx-24-11-20
7	Grading of fine & coarse aggregate by sieving for concrete.			DJ - 26 · 11 · 2021
8		DECEMBER	R	04-01-12-2021
9	Determination of specific gravity and bulk density of coarse aggregate.	2021		DX-03-12-2021 & DX-68-12-
10				DA-10-12-2021

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
11	Determination of flakiness ,elongation of road			D#- 15-12-2021
12	aggregates.  Determination of crushing value test of aggregates.			D4-17.13.2021 & D4-22.17.2021
13	Los -Angeles abrasion test of aggregate.			Dd - 29-12-2021 & Dd - 29-12-2021
14	Impact test of aggregate.			01-31-12-2021
15	Determination of soundness test of road aggregates.	TAMUARY		D4-05-01-2022
(11)	CONCRETE LABORATORY	2022	20	
16	f arrange atrongth of concrete			D4- 08-01-2022
17	to the state of th			D1-07-01-2022, D1-12-01-2022
18				D4-28-01-2022

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1	P.C.I.E	T., CHHENDI	PADA, DIST- ANGUL	
	PRACTICAL	LESSON PLAN	FOR THE SESSION 2021-22	
		SEMESTE	R: 3RD	SECTION:- C2
RANG	CH:- CIVIL ENGG.  OF THE FACULTY: (1) ER. SUJATA DALEI, (2) ER. SI	IRANI SAHU, (3	ER. PRITAM SAGAR SAHOO (LECT	r. IN CIVIL ENGG.)
AME	OF THE FACULTY: (1) ER. SUJATA DALLI, (2) ER. S. SOUMYADARSINI SWAIN (T.A.)			
	STER FROM DT.01.10.2021 TO 31.01.2022	PRAC	CTICAL SUBJECT: CIVIL ENGINEERIN	IG DRAWING-1 (PK-2)
	S ALLOTTED /WEEK:- 5 PERIODS			ACTUAL PROGRESS OF THE
SLASS SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO  BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	COURSES MADE DATES
	AUTOCAD SOFTWARE		09	
1	the draw format edit dimension modify	OCTOBER - 2021		Dx - 18 - 10 - 2021 & Dx - 27 - 10 - 20
	1.2.Draw 2D drawings of the following building			Dt - 01.11.303)
	1.3-Develop Isometric drawings of simple objects.			D4-08-11-2021 & 04-11-11-20
	1.4.Develope 3D drawing of simple objects.			D4-15-11-2021 &Dd -18-11-20
	2 PLAN, ELEVATION AND SECTIONAL ELEVATION OF FLAT ROOF BUILDING FROM LINE DIAGRAM AND GIVEN SPECIFICATION WITH USE OF AUTOCAD SOFTWARE.		08	
	2.1.Plan at window sill level of a single storeyed R.C. roof slab building with elevation and sectional views from given line diagram and specification.	heer		D#-22.11.2021, D#-25.11.20 & D#-29.11.2021
	2.2.Detail drawing of double storeyed pucca building with R.C.C stair case from line diagram and given specification.	DECEMBER - 2021	R	D4 - 02.12.2021 &

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	DATES
	2.3.Preparation of approval drawing of a residental building as per the norms of local approving authority with site plan, index plan etc.			D#-09.12-2021, D#-13.12-2021 D#-16.12-2021
3	TO THE SECTIONAL ELEVATION	JANUARY - 2022	03	Dt-27.12.2021, Dt-23.12.2021 Dt-27.12.2021, Dt-30.12.7071  Revision - Dt- 03.01.2072
4	BUILDING PLANNING:		05	20/10/200
1.54.0	4.1.Planning of building for specific cost based on approximate plinth area rate.			D4-06-01-2022 & D4-10-01-2002
	4.2.Orientation of buildings, location of openings and living areas.			D# - 13.01.2022 & D# - 17.01.2012
	4.3.Line plan of school ,hostel ,market complex and dispensary building.			24-20-01-2072, 01-24-01-2022 Revision - Da 3 27-01-2022

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#### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021-22 SECTION:- C2 SEMESTER: 3RD CIVIL ENGG. BRANCH:-NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SWARNAPRAVA PARIDA, (3) SUMANTA KUMAR SAHOO (LECT. IN CIVIL ENGG.), (4) SATYABRATA DEHURY, T.A. PRACTICAL SUBJECT: ESTIMATING PRACTICE (PR-3) SEMESTER FROM DT.01.10.2021 TO 31.01.2022 CLASS ALLOTTED /WEEK :- 03 PERIODS **ACTUAL PROGRESS OF THE** AS PER ACADEMIC CALENDAR & MONTH NAME OF THE PRACTICAL EXPERIMENT/JOBS TO **COURSES MADE** TIME TABLE BE COVERED DATES No. CLASS DAYS Preparation of plinth area estimate & detailed estimate 20 OCTOBER for the following; D1-26-10-2021, D4-02-11-201 1.1.Single storeyed two roomed building with specification as per orissa P.W.D schedule of rates NOVEMBER Dd - 09-17-2021 and analysis of rates. Dx-16-11-2021, Dx-23-11-2021 1.2.A two storeyed pucca building with specification as Dd-30-11-2021 per orissa P.W.D schedule of rates and analysis of Dd - 07 .12 . 2021, Dd - 14.12.202 rates. Analysis of rates in detail for the above items of DELEMBER building basing on orissa Govt. analysis of rate with Dx - 21.12.202 help of MS. Excel software. Dx-28.12.2021, Dx-04.01.200 Calculation of dry materials for different items of works basing on orissa Govt. analysis of rate with help of TANIVARY Excel software. D4-18-01-2022 4 Preparation of abstract of cost and bill of quantities of the estimates as per item no. 1.0 above with help of DA - 25.01.2022

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MS. EXCEL software.

SIGNATURE OF THE H.O.D.

P.C.I.E.TRRONHEMDIPADA Purne Chandra Institute of Engineering & Technology

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22 SECTION:-C1 SEMESTER: 4TH BRANCH:-CIVIL ENGG. NAME OF THE FACULTY: (1) ER. SIBANI SAHU, (2) ER. PRITAM SAGAR SAHOO, (3) ER. SUMANTA SAHOO (LECT. IN CIVIL ENGG.) PRACTICAL SUBJECT: LAND SURVEY PRACTICE-I (PR-1) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 CLASS ALLOTTED /WEEK:- 07 PERIODS **ACTUAL PROGRESS OF THE** AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS SI. **COURSES MADE** TIME TABLE MONTH No. TO BE COVERED DATES **CLASS DAYS** Linear Measurements, Chaining and Chain 02 MARCH Surveying: Dt. 14.03.2022 1.1 Testing and adjusting of a metric chain. 1.2 Measurement of distance between two points Dt. 14.03.2022 (more than 2 chain lengths apart) with chain including direct ranging. 1.3 Setting out different types of triangles, given the Dt. 21.03.2022 lengths of sides with chain and tape. 1.4 Measurement of distance between two points by Dt. 21. 03. 2022 chaining across a sloped ground using stepping method and a clinometer. 1.5 Measurement of distance by chaining across a obstacles on the chain line i) a pond ii)a building iii) a stream/ river (in the event of non-availability of Dt. 25. 03.2022 stream / river, a pond or lake may be taken, considering that chaining around the same is not possible. 1.6 Setting perpendicular offsets to various objects (at least 3) from a chain line using-(1) tape, (2) cross-Dt. 25.03. 2022 staff, (3) optical square and comparing the accuracy of the 3 methods Dt. 25.03.2022 1.7 Setting oblique offsets to objects (at least 3) from a chain using tape

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
	Angular Measurement and Compass Surveying:		04	9
2	Testing and adjustment of Prismatic compass and Surveyor's compass.		۸	Dt. 26.03.2022
e	2.2 Measurement of bearings of lines (at least 3 lines) and determination of included angles using Prismatic compass and Surveyor's compass.	ж	30	Dt. 28.03.2022
	2.3 Setting out triangles (at least 2) with compass, given the length and bearing of one side and included angles.			DA. 28. 03. 2022
	2.4 Setting out a closed traverse of 5 sides, using prismatic compass, given bearing of one line and included angles and lengths of sides.	APRIL		Dt. 02.04.2022
	2.5 Conducting chain and compass traverse surveying in a given plot of area (2plots) and recording data in the field book.			Dt. 04. 04. 2022
	Map Reading Cadastral Maps & Nomenclature:		03	v.
	3.1 Study of direction, Scale, Grid Reference and Grid Square			Dt. 08.04.2022
	3.2 Study of Signs and Symbols			Dt. 08.04.2022
3	3.3 Cadastral Map Preparation Methodology			Dt. 08. 04.2022
	3.4 Unique identification number of parcel			Dt 09.04.2022
	3.5 Positions of existing Control Points and its types			Dt 09.04.2022  Dt.11.04.2022  Dt. 11.04.2022
	3.6 Adjacent Boundaries and Features, Topology Creation and verification.			Dt. 11.04.2022

SI.	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
	Plane Table Surveying:		04	1
	4.1 Setting up of Plane Table and Plotting five points by radiation method and five inaccessible points by intersection method.			Dt. 16.04.2022 & Dt. 18.04.2020
4	4.2 Conducting Plane Table surveying in a given plot of area by traversing (Atleast a 5-sided traverse and locating the objects)	¥ 		Dt. 18.04.2022 & Dt. 22.04.202
2	4.3 Plane table surveying by Resection method (two point &three point problem method)			Dt. 22.04.2022 & Dt. 23.04.202
	Theodolite Traversing:		03	
5	5.1 Measurement of horizontal angles (3nos.) by repetition and reiteration method and compare two methods	٠		Dt. 25.04.2022
	5.2 Prolonging a given straight line with the help of a theodolite		2	Dt. 25. 04. 2022
	5.3 Determination of magnetic bearing of 3 given straight lines Setting out a closed traverse with 6 sides and entering the field data	MAY		Dt. 06. 05. 2022
	5.4 Plotting the traverse from exercise 4.1 and checking the error of closure			Dt. 06. 05. 2022
	5.5 Setting out an open traverse with 5 sides and entering the field data	4		Dt. 06.05.2022 & Dt.07.05.20
	5.6 Plotting the traverse from exercise 4.3 and checking the error of closure	4		Dt. 09.05.2022
	Leveling and Contouring:		04	
•	6.1 Making temporary adjustments of Levels			Dt. 09. 05. 2022
6	6.2 Determining Reduced Levels of five given points taking staff readings with Levels.			Dt.09.05.2022

SI.	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
	6.3 Determining the difference of levels between two points (3 pairs of points / group) by taking staff readings form single set up of level, recording the readings in level book and application of Arithmetic check. (At least 3 change points must be covered)			Dt. 13.05.2022
4	6.4 Conduct Fly Leveling (Compound) between two distant points with respect to R.L. of a given B.M. and reduction of levels by both height of collimation and rise & fall method and applying Arithmetic check. (At least 3 change points must be covered)	i)		Dt. 13.05.2022
	6.5 Conduct profile leveling along the given alignment for a road / canal for 150m length, taking L. S. at every 15m and C. S. at 1m & 3m apart on both sides at every 30m interval and recording the data in level book and applying arithmetical check.		×	Dt. 14. 05. 2022 & Dt. 20. 05. 2022
	6.6 Locating contour points in the given area by direct method / indirect method			Dt. 20.05.2022
	6.7 Conducting block level survey in the given area			Dt. 20. 05. 2022
	6.8 Plotting and drawing contour map of a given area by radial method			Dt. 21.05.2022 & Dt.23.05.202
	6.9 Map Interpretation: Interpret Human and Economic Activities (i.e.: Settlement, Communication Land use etc.), Interpret Physical landform (i.e.: Relief, Drainage Pattern etc.), Problem Solving and	,	Å.	Dt. 23. 05. 2022
- 2	Decision Making  Basics of Aerial Photography:		0.3	0.4 27 25 2022
	7.1 Film			Dt. 27.05.2022
7				Dt. 27. 05. 2022 Dt. 27. 05. 2022
	7.3. Scale			Dt. 27. 05 2022

SI.	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
	7.4. Types of Aerial Photographs (Oblique, Straight)	JUNE		Dt. 28.05.2022 & Dt 03.06.2022
	Basics of Photogrammetry, DEM and Ortho Image Generation:		12	
	8.1 Classification of Photogrammetry			Dt. 03.06.2022
	8.2 Aerial Photogrammetry			Dt. 04.06.2022 & Dt. 06.06.20
	8.3 Terrestrial Photogrammetry	¥.		D+.06.06.2022
594	Photogrammetry Process:			Dt. 10.06.2022
	8.4 Acquisition of Imagery using aerial and satellite platform			Dt.11.06.2022 & Dt.13.06.202
	8.5 Control Survey			Dt. 13.06.2022
8	8.6 Geometric Distortion in Imagery			Dt. 17.06.2022
	8.7 Application of Imagery and its support data			Dt. 18. 06.2022 & Dt. 20.06.20
	8.8 Orientation and Triangulation			Dt. 20.06.2022
	8.9 Stereoscopic Measurement: X-parallax and Y-parallax			Dt. 24.06.2022
	8.10 DTM/DEM Generation			Dt. 25.06.2022 & Dt. 27.06.2
	8.11 Ortho Image Generation	1/4		Dt. 27.06.2022

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

## PRACTICAL LESSION PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 4TH

SECTION:- C1

NAME OF THE FACULTY: (1) ER. SIBANI SAHU, (2) ER. SUJATA DALEI, (3) ER. SUMANTA SAHOO (LECT. IN CIVIL ENGG.),

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: CIVIL ENGINEERING DRAWING - II ( PR-2)

CLASS ALLOTTED /WEEK:- 06 PERIODS

CLAS	SS ALLOTTED /WEEK:- 06 PERIODS		AS PER ACADEMIC CALENDAR &	ACTUAL PROGRESS OF THE
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	TIME TABLE CLASS DAYS	COURSES MADE DATES
		MARCH	08	
	Half foundation plan and half top plan, cross sectional elevation and longitudinal section of			Dt. 15.03. 2022 & Dt. 17.03.2022
1	i) RCC Slab culvert with right angled wing wall			Dt. 22.03. 2022, Dt. 24.03.2022 & Dt. 29.03.2022
	ii) Hume pipe culvert with splayed wing wall	APRIL		Dt. 31.03.2022, Dt. 05.04.2022, & Dt. 07.04.2022
	Irrigation Structures		12	
2	2.1 Detail drawing of a vertical drop type fall (Sarada	MAY	et.	Ot. 12.04.2022, 19.04.2022, 21.04.2022, 26.04.2022, 05.05.2022, 10.05.2022
2	2.2 Drawing of a Drainage siphon from given specifications			12.05.2022, 17.05.2022, 19.05.2022, 24.05.2022, 26.05.2022, 31.05.2022
3	Plumbing and Sanitary connections and fittings of a	JUNE	03	Dt. 02.06.2022, Dt. 07.06.2022 & Dt. 09.06.2022
4	Detailed drawing of septic tank up to 50 users with		07	Dt. 16.06.2022, 21.06.2022, 23.06.2022 Dt. 28.06.2022 & Dt. 30.06.2022

Babita Sahu. SIGNATURE OF THE H.O.D.

#### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSION PLAN FOR THE SESSION 2021-22 SECTION:- C1 SEMESTER: 4TH CIVIL ENGINEERING BRANCH:-NAME OF THE FACULTY:- (1) ER. SIBANI SAHU, (2) ER. PRITAM SAGAR SAHOO (LECT. IN CIVIL ENGG.) PRACTICAL SUBJECT: SEMINAR (PR-3) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 CLASS ALLOTTED /WEEK-: 03 PERIODS **ACTUAL PROGRESS OF THE COURSES** AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS MONTH DATES MADE TIME TABLE TO BE COVERED No. **CLASS DAYS** 16.03.2022, 23.03.2022 Introduction About Technical Seminar 03 MARCH 01 30.03.2022, 06.04.2022 Each Student has to select a recent 13.04.2022 APRIL 03 02 13.04. 2022, 20.04. 2022, 27.04.22 topic in the area 04.05.2022, 11.05.2022, 18.05.202 03 03 MAY 25.05.22,01.06.22,08.06.2022 JUNE 22.06.2022 Seminar report for 29.06. 2022 01 Submission of & valuation

Siboni Sahu

P.S. Sahoo

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Babéta Sahu

SIGNATURE OF THE H.O.D.

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20	P.C.	I.E.T., CHH	ENDIPADA, DIST- ANGUL	
	PRACTICA'	L LESSON P	PLAN FOR THE SESSION 2021 - 22	SECTION:- C2
RAN	NCH:-CIVIL ENGG.	SEMES	SIEK: 410	020110111
AMF	NCH:-CIVIL ENGG. E OF THE FACULTY : (1) ER. SIBANI SAHU, (2) ER. PI	RITAM SAG	AR SAHOO, (3) ER. SUMANTA SAHOO	LECT. IN CIVIL LINGS.
EMF	ESTER FROM DT. 14.03.2022 TO 30.06.2022		PRACTICAL SUBJECT: LAND	SURVEY PRACTICES (118-1)
LAS	SS ALLOTTED /WEEK:- 07 PERIODS		AS PER ACADEMIC CALENDAR &	ACTUAL PROGRESS OF THE
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS	MONTH	TIME TABLE CLASS DAYS	COURSES MADE DATES
	Linear Measurements, Chaining and Chain Surveying:	MARCH	02	k
*	1.1 Testing and adjusting of a metric chain.			Dt.14.03.2022
	Measurement of distance between two points (more than 2 chain lengths apart) with chain including direct ranging.			Dt. 14.03.2022
	1.3 Setting out different types of triangles, given the lengths of sides with chain and tape.		-	Dt. 21. 03. 2022
1	1.4 Measurement of distance between two points by chaining across a sloped ground using stepping method and a clinometer.			Dt. 21.03.2022
,	1.5 Measurement of distance by chaining across a obstacles on the chain line i) a pond ii)a building iii) a stream/river (in the event of non-availability of stream / river, a pond or lake may be taken, considering that chaining around the same is not possible.			Dt. 25.03.2022
ě	1.6 Setting perpendicular offsets to various objects (at least 3) from a chain line using-(1) tape, (2) cross-staff, (3) optical square and comparing the accuracy of the 3 methods	) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		Dt. 25.03.2022
	1.7 Setting oblique offsets to objects (at least 3) from a chain using tape	m .		Dt. 25.03. 2022

SI.	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
	Angular Measurement and Compass Surveying:		04	
2	2.1 Testing and adjustment of Prismatic compass and Surveyor's compass.			Dt. 26. 03.2022
-	2.2 Measurement of bearings of lines (at least 3 lines) and determination of included angles using Prismatic compass and Surveyor's compass.			Dt.28.03.2022
*	2.3 Setting out triangles (at least 2) with compass, given the length and bearing of one side and included angles.	10		Dt. 28.03.2022
	2.4 Setting out a closed traverse of 5 sides, using prismatic compass, given bearing of one line and included angles and lengths of sides.	APRIL		Dt.02.04.2022
	2.5 Conducting chain and compass traverse surveying in a given plot of area (2plots) and recording data in the field book.			Dt.04.04.2022
	Map Reading Cadastral Maps & Nomenclature:		03	*
	3.1 Study of direction, Scale, Grid Reference and Grid Square			Dt.08.04.2022
	3.2 Study of Signs and Symbols			Dt. 08.04.2022
3	3.3 Cadastral Map Preparation Methodology			Dt. 08. 04.2022
	3.4 Unique identification number of parcel	*	6	Dt. 09.04.2022 Dt. 11.04.2022
2),	3.5 Positions of existing Control Points and its types			Dt.11.04.2022
	3.6 Adjacent Boundaries and Features, Topology Creation and verification.	4		Dt. 11.04.2022

SI.	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
	Plane Table Surveying:		04	
	4.1 Setting up of Plane Table and Plotting five points by radiation method and five inaccessible points by intersection method.			Dt. 16.04.2022 & Dt. 18.04.2022
4	4.2 Conducting Plane Table surveying in a given plot of area by traversing (Atleast a 5-sided traverse and locating the objects)			Dt. 18.04.2022 & Dt. 22.04.2022
	4.3 Plane table surveying by Resection method (two point &three point problem method)			Dt. 22.04.2022 & Dt. 23.04.2022
	Theodolite Traversing:		03	1.0
5	5.1 Measurement of horizontal angles (3nos.) by repetition and reiteration method and compare two methods			Dt. 25.04.2022
	5.2 Prolonging a given straight line with the help of a theodolite	(4)		Dt. 25.04.2022
	5.3 Determination of magnetic bearing of 3 given straight lines Setting out a closed traverse with 6 sides and entering the field data	KAM	.4	Dt. 06.05.2022
	5.4 Plotting the traverse from exercise 4.1 and checking the error of closure			Dt. 06.05. 2022
	5.5 Setting out an open traverse with 5 sides and entering the field data			Dt. 06.05.2022 & Dt. 07.05.2022
	5.6 Plotting the traverse from exercise 4.3 and checking the error of closure			Dt. 09.05.2022
	Leveling and Contouring:		04	0.00
	6.1 Making temporary adjustments of Levels	/4		Dt. 09.05.2022 Dt. 09.05.2022
6	6.2 Determining Reduced Levels of five given points taking staff readings with Levels.			Dt. 09.05.2022

SI.	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
	6.3 Determining the difference of levels between two points (3 pairs of points / group) by taking staff readings form single set up of level, recording the readings in level book and application of Arithmetic check. (At least 3 change points must be covered)		•	Dt.13.05.2022
	6.4 Conduct Fly Leveling (Compound) between two distant points with respect to R.L. of a given B.M. and reduction of levels by both height of collimation and rise & fall method and applying Arithmetic check. (At least 3 change points must be covered)			Dt. 13.05.2022
8	6.5 Conduct profile leveling along the given alignment for a road / canal for 150m length, taking L. S. at every 15m and C. S. at 1m & 3m apart on both sides at every 30m interval and recording the data in level book and applying arithmetical check.			Dt. 14. 05. 2022 &  Dt. 20. 05. 2022
	6.6 Locating contour points in the given area by direct method / indirect method			Dt. 20.05.2022
	6.7 Conducting block level survey in the given area		554.7	Dt. 20.05.2022
	6.8 Plotting and drawing contour map of a given area by radial method			Dt. 21.05.2022 & Dt. 23.05.202
	6.9 Map Interpretation: Interpret Human and Economic Activities (i.e.: Settlement, Communication Land use etc.), Interpret Physical landform (i.e.: Relief, Drainage Pattern etc.), Problem Solving and	i,		Dt. 23.05.2022
	Decision Making  Basics of Aerial Photography:		03	0.1.17.45.040.0
				Dt. 27.05.2022
7	7.1 Film		8	Dt. 27.05.2022
	7.2. Focal Length 7.3. Scale			Dt. 27-05.2022

SI.	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
	7.4. Types of Aerial Photographs (Oblique, Straight)	JUNE		Dt. 28.05.2022 & Dt 03.06.2022
1.4	Basics of Photogrammetry, DEM and Ortho Image Generation:	1	12	
	8.1 Classification of Photogrammetry			Dt. 03. 06.2022
	8.2 Aerial Photogrammetry			Dt.04.06.2022 &Dt.06.06.2022
	8.3 Terrestrial Photogrammetry			Dt. 06. 06. 2022
	Photogrammetry Process:			Dt. 10.06.2022
	8.4 Acquisition of Imagery using aerial and satellite	•	¥1	Ot.11.06.2022 & Ot.13.06.2022
8	8.5 Control Survey			Dt. 17.06.2022
8	8.6 Geometric Distortion in Imagery			Dt. 18.06.2022 & Dt.20.06.2023
	8.7 Application of Imagery and its support data	2		Dt-20.06.2022
	8.8 Orientation and Triangulation			Dt. 24.06.2022
	8.9 Stereoscopic Measurement: X-parallax and Y-			Dt. 24.06.2022
	8.10 DTM/DEM Generation			Dt.25.06.2022 & Dt 27.06.2
	8.11 Ortho Image Generation			Dt. 27.06.2022

Siboni Cahu Sahoo P.S. Sahoo SIGNATURE OF THE CONCERNED FACULTY

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CHHENDIPADA: ANGUL

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

## PRACTICAL LESSION PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 4TH

SECTION:-C2

NAME OF THE FACULTY: (1) ER. SIBANI SAHU, (2) ER. SUJATA DALEI, (3) ER. SUMANTA SAHOO (LECT. IN CIVIL ENGG.),

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: CIVIL ENGINEERING DRAWING - II ( PR-2)

## CLASS ALLOTTED /WEEK:- 06 PERIODS

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
Detailed Drawing of Culvert	MARGH	08	
Half foundation plan and half top plan, cross	11110		Dt. 15.03.2022 & Dt. 17.03.2022
	3		Dt. 22.03.2022, Dt. 24.03.2022 & Dt. 29.03.2022
ii) Hume pipe culvert with splayed wing wall	APRIL	T .	Dt. 31.03.2022, Dt. 05.04.2022 & Dt. 07.04.2022
		12	20 10 11 20 21 4/ 2022
2.1 Detail drawing of a vertical drop type fall (Sarada	MAY		Dt. 12.04.2022, 19.04.2022, 21.04.2022 26.04.2022, 05.05.2022 & 10.05.2022
2.2 Drawing of a Drainage siphon from given		4	12.05.2022, 17.05.2022, 19.05.2022
Plumbing and Sanitary connections and fittings of a	JUNE	03	Dt.02.06.2022, Dt.07.06.2022& Dt.09.06.2022
Detailed drawing of septic tank up to 50 users with soak pit and necessary connection from the water		07	Dt. 16.06.2022, 21.06.2022, 23.06.202 Dt. 28.06.2022 & Dt. 30.06.2022
	i) RCC Slab culvert with right angled wing wall  ii) Hume pipe culvert with splayed wing wall  Irrigation Structures  2.1 Detail drawing of a vertical drop type fall (Sarada Type) from given specifications  2.2 Drawing of a Drainage siphon from given specifications  Plumbing and Sanitary connections and fittings of a two roomed building	Half foundation plan and half top plan, cross sectional elevation and longitudinal section of  i) RCC Slab culvert with right angled wing wall  ii) Hume pipe culvert with splayed wing wall  Irrigation Structures  2.1 Detail drawing of a vertical drop type fall (Sarada Type) from given specifications  2.2 Drawing of a Drainage siphon from given specifications  Plumbing and Sanitary connections and fittings of a two roomed building  Detailed drawing of septic tank up to 50 users with soak pit and necessary connection from the water	Half foundation plan and half top plan, cross sectional elevation and longitudinal section of  i) RCC Slab culvert with right angled wing wall  ii) Hume pipe culvert with splayed wing wall  Irrigation Structures  2.1 Detail drawing of a vertical drop type fall (Sarada Type) from given specifications  2.2 Drawing of a Drainage siphon from given specifications  Plumbing and Sanitary connections and fittings of a two roomed building  Detailed drawing of septic tank up to 50 users with soak pit and necessary connection from the water

Signature of the Concerned FACULTY

Babita Saher. SIGNATURE OF THE H.O.D.

P.C.PETTO, OHHENDIPADA of Engineering & Technology CHHENDIPADA, ANGUL

#### P.C.I.E.T., CHHENDIPADA, DIST-ANGUL PRACTICAL LESSION PLAN FOR THE SESSION 2021-22 SECTION:- C2 SEMESTER: 4TH BRANCH:- CIVIL ENGINEERING NAME OF THE FACULTY:- (1) ER. SIBANI SAHU, (2) ER. PRITAM SAGAR SAHOO (LECT. IN CIVIL ENGG.) PRACTICAL SUBJECT: SEMINAR (PR-3) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 CLASS ALLOTTED /WEEK-: 03 PERIODS ACTUAL PROGRESS OF THE COURSES AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS MONTH DATES MADE TIME TABLE TO BE COVERED No. CLASS DAYS 16.03.2022 , 23.03.2022 Introduction About Technical Seminar MARCH 03 30.03.2022,06.04.2022,13.04.22 01 Each Student has to select a recent 03 APRIL topic in the area of Civil Engg. 13.04.2022, 20.04.2022, 27.04.22 Preparation of Power Point Presentation 04.05.2022, 11.05.2022, 18.05.22 MAY 03 25.05.2022,01.06.2022,08.06.2022 22.06. 2022 JUNE 05 Submission of Seminar Report for. 29.06.2022 01 06

Signature of the Concerned Faculty.

Babita Salue.
SIGNATURE OF THE H.O.D.

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Pura Chandra Institute of Engineering & Technology CHHENDIPADA, ANGUL

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021-2022 SECTION:-C1 BRANCH:-CIVIL ENGG. SEMESTER: 5TH NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SIBANI SAHU, (3) ER. BABITA SAHU (LECT. IN CIVIL ENGG.), (4) ER. SOUMYADARSINI SWAIN (T.A.) PRACTICAL SUBJECT: CIVIL ENGINEERING LAB,-II (PR-1) SEMESTER FROM DT.01.10.2021 TO 31.01.2022 CLASS ALLOTTED /WEEK:- 06 PERIODS MONTH AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS ACTUAL PROGRESS OF THE TIME TABLE COURSES MADE No. TO BE COVERED CLASS DAYS DATES 12 OGTOBER TESTS ON SOIL: 2021 1.1 Determination of specific gravity of soil by Dt. 07.10.2021 pycnometer/ Density bottle. 1.2 Determination of field Density of soil by core Dt. 18. 10.2021 cutter method. 1.3 Determination of particle size gradation of Dt. 21. 10.2021 sand/Gravel by sieve analysis. 1.4 Wet Mechanical using pippette Method for clay Dt. 25. 10. 2021 and silt. 1.5 Determination of liquid limit by soil by Dt. 28.10.2021 casagrande's apparatus. NOVEMBER Dt. 01.11.2021 1.6 Determination of plastic limit of soil. 2021 Dt. 08.11. 2021 1.7 Determination of shrinkage limit of soil. 1.9 Determination of MDD & OMC of soil by using Dt. 11. 11. 2021 modified proctor test. 1.12 Determination of CBR value using laboratory Dt. 15. 11. 2021 CBR testing device.

91. 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
	1.10 Determination of C and Φ of soil sample by triaxial test device.			Dt. 18.11.2021
	Determination of coefficient of permeability of coarse grained soils under constant head method.			Dt. 22.11.2021 & Dt.25.11.
	HYDRAULICS LABORATORY:		06	
	2.1 Verification of Bernoulli's Theorem			Dt. 29.11. 202)
2	2.2 Determination of coefficient of Discharge of a rectangular notch fitted in open Channel.	DECEMBER		Dt. 02.12.2021
-	2.3 Determination of coefficient of Discharge of a Venturimeter, Orificemeter fitted in a pipe	2021		Dt. 06.12. 2021 & Dt 09.12.2021
	2.4 Determination of head Loss due to friction and coefficient of friction for flow through pipe.			Dt. 13.12. 2021 & Dt. 16.12.2021
	TRANSPORTATION LABORATORY:		06	
	3.1 Penetration test of bitumen.			Dt. 20.12.2021
3	3.2 Ductility test of bitumen.			Dt. 23.12.2021 &Dt.27.12.
	3.3 Viscosity test of bitumen.	JANUARY		Dt. 30.12.2021 & Dt. 03.01.2021
	3.4 Determination of bitumen content by centri fuge extractor.	2022		Dt. 06.01.2022

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
	PUBLIC HEALTH ENGINEERING LABORATORY:		06	
	4.1 Determination of turbidity of water sample using turbidimeter/Nephlometer/Jackson's candle turbidimeter.			Dt. 10.01.2022
	4.2 Determination of PH of water sample using (a) PH meter (b) colour computer			Dt. 13.01.2022
4	4.3 Determination of chlorid conent of a water sample using method of titration.	11		Dt. 17.01.2022
	4.4 Determination of coagulant (Alum) dose requirment for a turbid water sample by jar test.			Dt. 20.01.2022
	4.5 Determination of dissolved oxygen of water sample.			Dt. 24.01.2022
	4.6 Determination of bacteriological quality of water sample by coliform test.			Dt. 27.01.2022

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y	P.C.	I.E.T., CH	HENDIPADA, DIST- ANGUL	
	PRACTICA	L LESSON	PLAN FOR THE SESSION 2021 - 22	
RAN	NCH:-CIVIL ENGG.		TER: 5TH	SECTION:- C1
JAM	E OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU, (	(2) ER. NAN	NDINI PRADHAN (LECT. IN CIVIL ENGG.	
	ESTER FROM DT. 01.10.2021 TO 31.01.2022		PRACTICAL SUBJECT: ESTIMA	TING PRACTICE – II (PR-2)
	SS 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
	Estimate of Culverts and Bridges:	OGTOBER		
1	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.		01	Dt. 26.10.2021
	detailed estimate of RCC Hume pipe culvert with splayed angled wing wall	November	01	Dt. 02.11.2021
	Estimate of Irrigation Structures:			
2	2.1 Detailed estimate of simple type of vertical fall to given specification		0]	Dt. 09.11.2021
	2.2 Detailed estimate of drainage siphon to given specification.		01	Dt. 16.11.2021
	Estimate of Roads:			
	3.1 Detailed estimate of a water bound macadam road		01	Dt. 23.11.2021
3	3.2 Detailed estimate of a flexible pavement in cutting / filling.		01	Dt. 30. 11. 2021
	3.3 Detailed estimate of septic tank and soak pit for 50 users	DEC	01	Dt. 07. 12. 2021

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
	Estimate of Tube well, Piles and Pile Cap, Isolated and Combined Footings:			<u> </u>
	4.1 Detailed estimate of Tube wells.		01	Dt. 14.12.2021
4	4.2 Detailed estimate of Piles and Pile cap.		02	Dt.21.12.2021 & Dt. 28.12.2021
	4.3 Detailed estimate of Isolated footings.	JANUARY	02	Dt.04.01.2021 & Dt.11.01.2022
	4.4 Detailed estimate of Combined footing.		02	Dt. 18.01.2022 & Dt. 25.01.2022

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Engineering & Technology
CHHENDIPADA, ANGUL

#### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22 SECTION:-C1 SEMESTER: 5TH BRANCH:-CIVIL ENGG. NAME OF THE FACULTY: (1) ER. SIBANI SAHU, (2) ER. PRITAM SAGAR SAHOO, (3) ER. BABITA SAHU (LECT. IN CIVIL ENGG.) PRACTICAL SUBJECT: PROJECT WORK (PHASE-I) (PR - 3) SEMESTER FROM DT.01.10.2021 TO 31.01.2022 CLASS ALLOTTED /WEEK:- 03 PERIODS **ACTUAL PROGRESS OF THE** AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS MONTH COURSES MADE TIME TABLE TO BE COVERED No. DATES CLASS DAYS 6/10/2021, 9.10.2021, 23.10.2021, 27.10.2021, 30.10.2021, 3.11.2021 15 OCT SELECTION OF PROJECT 01 6.11.2021, 10.11.2021, 13,11.2021 15 17.11.2021, 20.11.2021, 24,11.2021 NOV PLANNING & EXECUCATION 02 27.11.2021 1.12.2021, 4.12.2021, 8.12.2021, 11.12.2021 15 15. 12.2021, 18.12.2021, 22.12.2021, 25.12.2021 DEC QUALITY OF PERFORMANCE 29.12.20 5.1.2022, 8.1.2022, 12.1,2022, PRODUCTION OF FINAL PRODUCT JAN 15 15. 1.2022, 19. 1.2022, 22.1.2022, 29.1.2022

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### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021 -22 BRANCH:-CIVIL ENGG. SECTION:-SEMESTER: 5TH C2 NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SIBANI SAHU, (3) ER. BABITA SAHU (LECT. IN CIVIL ENGG.). (4) ER. SOUMYADARSINI SWAIN (T.A.) SEMESTER FROM DT.01.10.2021 TO 31.01.2022 PRACTICAL SUBJECT: CIVIL ENGINEERING LAB.-II (PR-1) CLASS ALLOTTED /WEEK: - 06 PERIODS AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS MONTH **ACTUAL PROGRESS OF THE** No. TO BE COVERED TIME TABLE COURSES MADE CLASS DAYS DATES OGTOBER TESTS ON SOIL: 12 2021 1.1 Determination of specific gravity of soil by Dt. 07.10.2021 pycnometer/ Density bottle. 1.2 Determination of field Density of soil by core Dt . 18.10.2021 cutter method. 1.3 Determination of particle size gradation of Dt. 21.10.2021 sand/Gravel by sieve analysis. 1.4 Wet Mechanical using pippette Method for clay Dt. 25.10.2021 and silt 1.5 Determination of liquid limit by soil by Dt. 28. 10.2021 casagrande's apparatus. NOVEMBER Dt. 01. 11. 2021 1.6 Determination of plastic limit of soil. 2021 Dt. 08.11. 2021 1.7 Determination of shrinkage limit of soil. 1.9 Determination of MDD & OMC of soil by using Dt. 11. 11. 2021 modified proctor test. Dt. 15. 11. 2021 1.12 Determination of CBR value using laboratory

CBR testing device.

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
	1.10 Determination of C and Φ of soil sample by triaxial test device.			Dt. 18.11.2021
	Determination of coefficient of permeability of coarse grained soils under constant head method.			Dt. 22.11.2021 & Dt. 25.11.2021
	HYDRAULICS LABORATORY :		06	
	2.1 Verification of Bernoulli's Theorem			2+.29.11.2021
	2.2 Determination of coefficient of Discharge of a rectangular notch fitted in open Channel.	DECEMBER		Dt.02.12.2021
2	2.3 Determination of coefficient of Discharge of a Venturimeter, Orificemeter fitted in a pipe	2021		Dt. 06. 12. 2021 & Dt. 09. 12. 202)
	2.4 Determination of head Loss due to friction and coefficient of friction for flow through pipe.			Dt. 13.12.2021 & Dt. 16.12.2021
	TRANSPORTATION LABORATORY:		06	
	3.1 Penetration test of bitumen.			Dt. 20.12.2021
	3.2 Ductility test of bitumen.			Dt. 23.12.2021 & Dt. 27.12.2021
3	3.3 Viscosity test of bitumen.	JANUAR	y	Dt. 30.12.2021 & Dt.03.01.2021
	3.4 Determination of bitumen content by centri fuge extractor.	2022		Dt. 06.01. 2022

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
	PUBLIC HEALTH ENGINEERING LABORATORY:		06	
	4.1 Determination of turbidity of water sample using turbidimeter/Nephlometer/Jackson's candle turbidimeter.			Dt: 10.01.2022
	4.2 Determination of PH of water sample using (a) PH meter (b) colour computer			Dt. 13. 01.2022
4	4.3 Determination of chlorid conent of a water sample using method of titration.			Dt. 17.01.2022
	4.4 Determination of coagulant (Alum) dose requirment for a turbid water sample by jar test.			Dt. 20.01.2022
	4.5 Determination of dissolved oxygen of water sample.			Dt . 24.01.2022
	4.6 Determination of bacteriological quality of water sample by coliform test.			Dt. 27.01.2022

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			HENDIPADA, DIST- ANGUL	
-	PRACTICA	L LESSON	PLAN FOR THE SESSION 2021 - 22	
BRAN	NCH:-CIVIL ENGG.		TER: 5TH	SECTION:- C2
JAMI	E OF THE FACULTY : (1) ER. SUNIL KUMAR SAHU, (	(2) ER. NAN	NDINI PRADHAN (LECT. IN CIVIL ENGG.	)
	ESTER FROM DT. 01.10.2021 TO 31.01.2022		PRACTICAL SUBJECT: ESTIMA	TING PRACTICE II (PR-2)
	SS ALLOTTED /WEEK:- 03 PERIODS			05 7115
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	Estimate of Culverts and Bridges:	OCTOBER		
	1.1 Detailed estimate of a RCC slab culvert with right angled wing walls with bar bending schedule.		01	Dt. 26.10.2021
	detailed estimate of RCC Hume pipe culvert with splayed angled wing wall	November	01	Dt. 02.11. 2021
	Estimate of Irrigation Structures:			
2	2.1 Detailed estimate of simple type of vertical fall to given specification		01	Dt. 09. 11. 2021
	2.2 Detailed estimate of drainage siphon to given specification.		01	Dt. 16.11.2021
	Estimate of Roads:			
	3.1 Detailed estimate of a water bound macadam road		01	Dt. 23.11.2021
3	3.2 Detailed estimate of a flexible pavement in cutting / filling.		01	Dt.30.11.2021
	3.3 Detailed estimate of septic tank and soak pit for 50 users	DEC	0 1	Dt. 07.12.2021

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
	Estimate of Tube well, Piles and Pile Cap, Isolated and Combined Footings:			
	4.1 Detailed estimate of Tube wells.		01	Dt. 14.12.2021
	4.2 Detailed estimate of Piles and Pile cap.		02	Dt.21.12.2021 & Dt.28.12.2021
	4.3 Detailed estimate of Isolated footings.	JANUARY	02	Dt. 04.01.2022 & Dt. 11.01.2022
	4.4 Detailed estimate of Combined footing.		02	Dt. 18.01. 2022 & Dt. 25.01. 2022

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	P.C.	.I.E.T., CH	HENDIPADA, DIST- ANGUL	
	PRACTICA	L LESSON	N PLAN FOR THE SESSION 2021 - 22	25071011 02
2011	NCH:-CIVIL ENGG.		SEMESTER: 5TH	SECTION:- C2
SRAM	NCH:-CIVIL ENGG. E OF THE FACULTY : (1) ER. SIBANI SAHU, (2) ER. P	PRITAM S/	AGAR SAHOO, (3) ER. BABITA SAHU	(LECT. IN CIVIL ENGG.)
IAME	2 OF THE FACULTY : (1) ER. SIDAM GARAGE	PART TOTAL	PRACTICAL SUBJECT: P'	PROJECT WORK (PHASE-I) (PR - 3)
	ESTER FROM DT.01.10.2021 TO 31.01.2022		1 1000-000 3000-000	
CLAS	SS ALLOTTED /WEEK:- 03 PERIODS	MONTH	AS PER ACADEMIC CALENDAR &	ACTUAL PROGRESS OF THE COURSES
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	TIME TABLE CLASS DAYS	MADE DATES
_	Chi - I Town of DOATE CT	OCT	15	6.10.2021, 9.10.2021, 23.10.2021 27.10.2021, 30.10.2021, 3.11.2021
01	SELECTION OF PROJECT	001		
	TICL C C TUTION	NOV	15	6.11.2021, 20.11.2021, 13.11, 2021, 17.11.2021, 27.11.2021
02	PLANNING & EXECUCATION	1404		
		-		1.12.2021, 4.12,2021, 18.12.2021, 11.12.20
03	QUALITY OF PEFORMANCE	DEC	15	15.12.2021 18.12.2021, 22.12,2021, 25.10
-				
1/1	PRODUCTION OF FINAL PRODUCT	JAN	15	5.1.2022, 6.1.2022, 12.1.2022 15.1.2022, 14.1.2022, 22.1.2022, 29.1.20
04	PRODUCTION OF FINAL PRODUCT			

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SIGNATURE OF THE H.O.D.

31/01/2022 PRINCIPAL

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

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#### PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

NAME OF THE FACULTY: (1) ER. SUJATA DALEI, (2) ER. BABITA SAHU (LECT. IN CIVIL ENGG.)

SEMESTER FROM DT. 14.03,2022 TO 30.06.2022 PRACTICAL SUBJECT: CONSTRUCTION WORKS PRACTICE & MS PROJECT (PR-1)

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MQNTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
	PART 1: Construction Work Practices		13	· · · · · · · · · · · · · · · · · · ·
1	Study of tools required for construction of masonry.	MARCH		Dt. 14.03.2022
2	2. Lay out Plan of a building.			Dt - 16.03.2022
3	3. Construction of 1 &1 ½ Brick thick walls in English Bond in Mud mortar including a corner.			Dt - 21.03.2022
4	Construction of 1 &1 ½ Brick thick Pillar in Mud	9		Dt- 23.03.2022
5	Bar bending and fabrication of reinforcements for a beam.	Ö.		D+-, 28.03.2022
6	Bar bending and fabrication of reinforcements for a slab.			Dt-30.03.2022
7	Bar bending and fabrication of reinforcements for a lintel with chajja.	APRIL		Dt-04.04.2022
8	Bar bending and fabrication of reinforcements for a column.			Dt - 06.04.2022
9	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.			Dt - 11.04.2022
10	Study of pipe joints and plumbing fixtures.			Dt-13.04.2022

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
11	Field Visits:			Dt-18.04.2022
*	Visit to a construction site of a building where the following works are in progress.		51	Dt-20.04.2022, Dt-25.04.20
	Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring			DE-20.09.2022, Dr -25.01.2
	PART II: MS Project		13	
	Introduction to Microsoft Project			Dt-27.04.2022
727	1.1 Project Management-Definition & concept			
1	1.2 Features of Microsoft project	MAY		Dt-04.05.2022
	1.3 MS project scheduling for engineering			Dt-09.05.2022
	Creating a project plan			D. U.O. 0000
	2.1 Basic information for a new project			Dt - 11.09.2022
2	2.2 Creating project from a blank			Dt-18.05.2022 Dt-23.05.2022, Dt-25.05.20
	2.3 Creating project from existing			Dt-23.09.2022,00 2500
	Basics of Microsoft Project		4	Dt-01.06.2022, Dt-06.06.2022
	3.1 Estimating a project	JUNE		Dt-08.06.2022, Dt-13.06.2022
4	3.2 Project Task			Dt-20.06.2022, Dt-22.06.202
	3.3 Project Resources			
5	Tracking the project progress	•		Dt-22.06.2022
6	Project Reporting			Dt-27.06.2022
7	Custom views and field			Dt-29-06.2022

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#### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22 SECTION:- C1 SEMESTER: 6TH BRANCH:-CIVIL ENGG. NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. PRITAM SAGAR SAHOO (LECT. IN CIVIL ENGG.) PRACTICAL SUBJECT: LAND SURVEY PRACTICE - II (PR-2) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 CLASS ALLOTTED /WEEK:- 05 PERIODS ACTUAL PROGRESS OF THE AS PER ACADEMIC CALENDAR & COURSES MADE NAME OF THE PRACTICAL EXPERIMENT/JOBS TIME TABLE MONTH SI. DATES TO BE COVERED **CLASS DAYS** No. 03 TRIGONOMETRICAL SURVEYING & Dt-16.03.2022 TACHEOMETRY: Determination of height of 3 objects whose bases are MARCH accessible Dt-15.03.2022 Determination of stadia constants Dt-15.03.2022 Determination of horizontal distance an elevation with

03

Dt-22.03.2022

Dt - 22.03.2022

Dt-22.03.2022

Dt-24.03.2022

Dt-24.03.2022

Dt-29.03.2022

Dt-29.03.2022

Staff vertical, by stadia method

long chord

chords produces

tangent

SETTING OUT CURVES AND SITE SURVEYING:

Setting out a simple circular curve by offsets from

Setting out a simple circular curve by offsets from

Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles)

Setting out the foundation line for a culvert

Dividing an area into plots of given size

of a building from the given plan

Setting out a site the center line and foundation width

Setting out a simple circular curve by offsets from the

SI.	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
	STUDY OF MAP AND MAP SERIES:		03	24 21 22 22 2
	Physical Map			Dt-31.03.2022
				Dt-31.03.2022
	Topographic Map			Dt-31.03.2022
W	Road Map			Dt-31.03.2022
3	Political Map			Dt-31.03.2022
J	Economic & Resources Map			A, 8
	F			Dt-31.03.2022
	Thematic Map		06	Dt-31.03.2022
	Climate Map			Dt-31.03.2022
	Open Series map and Defense Series Map			
	STUDY ON GPS & DGPS AND ETS:		03	Dt - 05.04.2022
	4.1 GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods	APRIL		Dt-05.04.2022
				Dt-06.04.2022
	4.2 DGPS: - Differential Global Positioning System			Dt-07.04.2022
	4.2.1 Base Station Setup	*		Dt-07.04.2022
	4.2.2 Rover GPS Set up	16		
4	4.2.3 Download, Post-Process and Export GPS data			Dt-07.04.2022
				Dt-12.04.2022
	4.2.4 Sequence to download GPS data from flashcards			
	755 PA (1995)			Dt-12.04.2022
	4.2.5 Sequence to Post-Process GPS data			Dt-19.04.2022
	4.2.6 Sequence to export post process GPS data			Dt-19.04.2022
	4.2.7 Sequence to export GPS Time tags to file			DF-11-01.20==

SI.	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
	ETS: - Electronic Total Station		08	01 01 01 0 00 2
	Distance Measurement			Dt-21-04.2022
7	Angle Measurement			Dt-21.04.2022
**	Leveling	7)		Dt-26.04.2022
5	Determining position			Dt-26.04.2022
		MAY		Dt-05.05.2022
	Reference networks	1-1-1-		Dt-10.05.2022
	Errors and Accuracy		06	Dt-10.05.2022
	STUDY OF GIS AND MAP PREPARATION USING		00	
	Components of GIS, Integration of Spatial and Attribute Information		*	Dt - 10.05.2022 Dt - 12.05.2022
	Three Views of Information System			Dt-17.05.2022
	Database or Table View, Map View and Model View			NO. 100 33 W
		21		Dt-19.05.2022
	Spatial Data Model			Dt-24.06.2022
	Attribute Data Management and Metadata Concept			Dt-26.06.2022
6	Prepare data and adding to Arc Map.			Dt-31.06.2022
	Organizing data as layers.			Dt-02.06.2022
	Editing the layers.	JUNE		Dt-07.06.2022
	Switching to Layout View.			
	Change page orientation.			Dt-09.06.2022
	Removing Borders.			Dt-15.06.2022, Dt-21.06.20
	Adding and editing map information.			Dt-23.06.2022, Dt-28.06.20
	Finalize the map			Dt-30-06-2020

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# PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SWARNAPRAVA PARIDA, (3) ER. SUJATA DALEI (LECT., CIVIL ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: CADD Lab AND DESIGN & DETAILING PRACTICE ( PR-3 )

CLAS	SS ALLOTTED /WEEK:-		ALL ENDAD O	ACTUAL PROGRESS OF THE
SI.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	COURSES MADE DATES
	Structural Detailing Practice:		06	
	Draw the following with necessary details and schedule of bars from supplied sketches or given references such as SP 34	*		
1	i) Slab, beam and lintel with chajja as in a simple building (Plate I)	MARCH	*	Dt - 25.03.2022
1	ii) Columns, column-beam connections with & without splicing, isolated footing, staircase (Plate 2)			Dt-25.03.2022
	iii) Different types of bolt connections, welded			Dt-25.03.2022
	iv) Details of Pile and Pile cap	APRIL	-	Dt-08.04.2022
	Use of STADD Pro Software:	a	. 05	•
2	2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis			Dt - 22.04. 2022
_	Analysis of a Continuous beam with more than two span subjected to udl and point load			Dt-22.04.2022

SI.	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
	3-D modeling of building structures ,dead load, live load, earthquake and wind load analysis, design of a 3 storeyed building and preparation of reinforcement drawing and detailing	MAY		Dt-06.05.2022
	Introduction to STADD foundation.	1	0.0	Dt-06.05.2022
	Revit Architecture Software:		03	Dt-13.06.2022
*	Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section,			
	Level, Text, View	-		Dt-20.05.2022
	Modelling- Ramp, Railing, Stair	*		Dt-27.05.2022
	Site- Topo surface- Parking Component, Site		w.	
3	Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit	JUNE		Dt-03.06.2022 Dt-10.06.2022
	3D View			Dt-17.06.2022
	3D view			Dt - 24.06.2022
	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands			

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P.C.I.E.J. CHHENDIPADA.

#### PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

NAME OF THE FACULTY: (1) ER. SUJATA DALEI (2) ER. NANDINI PRADHAN, (3) ER. BABITA SAHU (LECT., CIVIL ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: PROJECT PHASE - II( PR-4 )

CLAS	S ALLOTTED /WEEK:- 05 PERIODS			ACTUAL PROCEESS OF THE
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
75162-50	SELECTION OF PROJECT ASSIGNMENTS	MARCH	15	16.3.2022, 23.3. 2022
1	PLANNING & EXECUTION OF CONSIDERATION		15	30.3.2022,6.4.2022,13.4.2022
3		APRIL		16.4.2022, 20.4,2022, 23.4.2022
	QUALITY OF PEFORMANCE	MAY	15	27. 4.2022, 4.5.2022, 7.5.2023
4	SELECTION OF MATERIALS	17(1/1		11.5.2022, 14.5.2022, 18.5.2022
5	SENSE OF RESPONSIBILITY		.Y	21.5.2022, 25, 5.2022
6	SELF EXPERIANCE / COMMUNICATION  /PRESENTATION SKILL	JUNE	15	28. 5. 2022, 1.6.2022
7	INTERPERSONAL SKILL HUMAN	OUITE		4.6.2022, 8.6.2022, 11.6.2021
7			15	15.62622, 18.6.2022, 22.6.20
8	10101		.,	25.06.2022, 29.06.2022
9	VIVA VOICE			*
		s ===		10:01

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PRINCIPAL

# P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021-22 BRANCH:- CIVIL ENGG. SEMESTER: 6TH SECTION:- C1 NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SIBANI SAHU (LECT. CIVIL ENGG.) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 PRACTICAL SUBJECT: LIFE SKILLS (PR-5)

CLASS ALLOTTED /WEEK:- 02 PERIODS

AS PER ACADEMIC CALENDAR & ACTUAL PROGRESS OF THE COURSES NAME OF THE PRACTICAL EXPERIMENT/JOBS TIME TABLE SI. MONTH DATES MADE TO BE COVERED **CLASS DAYS** No. 25.3.2022 03 SOCIAL SKILL MARCH PROBLEM SOLVING PRESENTATION SKILL 03

2 PROBLEM SOLVING

APRIL

3 PRESENTATION SKILL

M4Y

GROUP DISCUSSION & INTERVIEW
TECHNIQUES

5 WORKING IN TEAM

TASK MANAGEMENT

7

8

9

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#### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22 SECTION:- C2 SEMESTER: 6TH BRANCH:-CIVIL ENGG. NAME OF THE FACULTY: (1) ER. SUJATA DALEI, (2) ER. BABITA SAHU (LECT. IN CIVIL ENGG.) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 PRACTICAL SUBJECT: CONSTRUCTION WORKS PRACTICE & MS PROJECT (PR-1) CLASS ALLOTTED /WEEK:- 05 PERIODS **ACTUAL PROGRESS OF THE** AS PER ACADEMIC CALENDAR & NAME OF THE PRACTICAL EXPERIMENT/JOBS MONTH COURSES MADE TIME TABLE TO BE COVERED No. DATES **CLASS DAYS** 13 PART 1: Construction Work Practices Dt- 14.03.2022 1. Study of tools required for construction of MARCH masonry. Dt-16.03.2022 2. Lay out Plan of a building. Dt - 21.03.2022 3. Construction of 1 &1 1/2 Brick thick walls in English Bond in Mud mortar including a corner. Dt - 23.03.2022 Construction of 1 &1 1/2 Brick thick Pillar in Mud mortar. Dt-28.03.2022 Bar bending and fabrication of reinforcements for a beam. Dt - 30.03.2022 Bar bending and fabrication of reinforcements for a 6 slab. Dt-04-04.2022 Bar bending and fabrication of reinforcements for a APRIL lintel with chajja. Dt-06.04.2022 Bar bending and fabrication of reinforcements for a column. Dt - LI. 04.2022 Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992. Dt-13.04.2022 Study of pipe joints and plumbing fixtures. 10 .

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
11	Field Visits:			Dt-18.04.2022
	Visit to a construction site of a building where the following works are in progress.			Dt-18.04.2022. Dt-26.04.2022
	Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g)Flooring		17	Dt-20.04.2022.01
8	PART II: MS Project		13	
	Introduction to Microsoft Project			Dt-27.04.2022
	1.1 Project Management-Definition & concept	_1		Dt-27.09.2022 Dt-04.06.2022
1	1.2 Features of Microsoft project	MAY		Dt - 09.09.2022
	1.3 MS project scheduling for engineering			Dt - 09.09.202-
	Creating a project plan			Dt-11-05.2022
	2.1 Basic information for a new project			Dt-18.06.2022
2	2.2 Creating project from a blank			Dt-23.05.2022, Dt-25.05.20
	2.3 Creating project from existing			
	Basics of Microsoft Project	T112 15		Dt-01.06.2022, Dt-06.06.202
	3.1 Estimating a project	JUNE		Dt-08.06.2022, Dt-13.06.202
4	3.2 Project Task			Dt-20.06.2022, Dt-22.06.202
	3.3 Project Resources			Dt-22.06.2022
5	Tracking the project progress	¥.		Dt - 27.06.2022
6	Project Reporting			Dt - 29.06: 2024
7	7 Custom views and field		nah #7 a Rahee-	2406/2022

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SIGNATURE OF THE H.O.D.

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# PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C2

NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. PRITAM SAGAR SAHOO (LECT. IN CIVIL ENGG.)

PRACTICAL SUBJECT: LAND SURVEY PRACTICE - II (PR-2)

	STER FROM DT. 14.03.2022 TO 30.06.2022		PRACTICAL SUBJECT: LAND S	URVEY PRACTICE – II (PR-2)
	S ALLOTTED /WEEK:- 05 PERIODS			
SI.	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
4	TRIGONOMETRICAL SURVEYING & TACHEOMETRY:	Đ	03	
1	Determination of height of 3 objects whose bases are accessible	MARCH		St-15/03/2022
•	Determination of stadia constants			At - 15/03/2022
	Determination of horizontal distance an elevation with Staff vertical , by stadia method			86-15/03/2022
	SETTING OUT CURVES AND SITE SURVEYING:		03	•
	Setting out a simple circular curve by offsets from long chord			St-22/03/2022 St-22/03/2022
	Setting out a simple circular curve by offsets from the tangent			26-22/03/2022
2	Setting out a simple circular curve by offsets from chords produces			86-22/03/2022
	Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles)	4)		8t-24/03/2022
(62	Setting out a site the center line and foundation width of a building from the given plan	1		St - 24/03/2022
	Setting out the foundation line for a culvert			At - 29/03/2022
	Dividing an area into plots of given size			Dt-29/03/2022

SI.	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
	STUDY OF MAP AND MAP SERIES:		03	
3	Physical Map			st-31/03/2022
	Topographic Map			At- 31/03/2022
	Road Map			st- 3/103/2022
	Political Map			Dt-31/03/2022
	Economic & Resources Map	27		st-3/103/2022
	Thematic Map		0	st-31/03/2022
8	Climate Map			St - 31/03/2022
	Open Series map and Defense Series Map			St - 31/03/2022
	STUDY ON GPS & DGPS AND ETS:		03	
	4.1 GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods	APRIL		st-05/04/2022
	4.2 DGPS: - Differential Global Positioning System			Nt - 05/04/2022
	4.2.1 Base Station Setup			M- 07/04/2022
	4.2.2 Rover GPS Set up			SE-0410412022
4	4.2.3 Download, Post-Process and Export GPS data			St-04/2022
	4.2.4 Sequence to download GPS data from flashcards	le)		DE-12/04/2022
	4.2.5 Sequence to Post-Process GPS data	2	9	Dt-12/04/2022
1.00	4.2.6 Sequence to export post process GPS data			St - 19/04/2022 St - 19/04/2022
	4.2.7 Sequence to export GPS Time tags to file			St-19/04/2022

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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
	ETS: - Electronic Total Station			21/2/2 22
	Distance Measurement			26-21/04/2022
	Angle Measurement			51-21/04/2022
5	Leveling			xt- 26/04/2022
	Determining position			26/04/2022
	Reference networks	MAY		St- 057 057 2022
	Errors and Accuracy			DE-107 057 20212
	STUDY OF GIS AND MAP PREPARATION USING	<u> </u>	0.6	
41	Components of GIS, Integration of Spatial and Attribute Information			st- 12/05/2022
	Three Views of Information System			14-14-10-5/2022
	Database or Table View, Map View and Model View			26-19/05/2022
	Spatial Data Model			st - 24 (05/2032
	Attribute Data Management and Metadata Concept		4	26/05/2022
6	Prepare data and adding to Arc Map.			At - 3/ 105/ 2022
	Organizing data as layers.	JUNE		25-02/06/2022
	Editing the layers.			At- 0+ 106/ 2022
	Switching to Layout View.			Dt - 09/03/2022
	Change page orientation.			St - 15 /06/2022 St - 23 /06/2022, 21.0
	Removing Borders.		V.	Xt - 23 /06/2022, 28.06
	Adding and editing map information.	A		XI-30/06/020B2
	Finalize the map		Dabota Salver	PRINTIPAL 2022

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SIGNATURE OF THE H.O.D.

PRINCIPAL 2022
PRINCIPAL
P.C. F. C. H. C. P. C.

## PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C2

NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SWARNAPRAVA PARIDA, (3) ER. SUJATA DALEI (LECT., CIVIL ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: CADD LabAND DESIGN & DETAILING PRACTICE ( PR-3 )

#### CLASS ALLOTTED /WEEK:-

			1	
CLAS	SS ALLOTTED /WEEK:-		AS PER ACADEMIC CALENDAR &	ACTUAL PROGRESS OF THE
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	TIME TABLE CLASS DAYS	COURSES MADE DATES
	Structural Detailing Practice:		06	(4)
	Draw the following with necessary details and schedule of bars from supplied sketches or given references such as SP 34	*	•	* *
ž.	i) Slab, beam and lintel with chajja as in a simple building (Plate I)	MARCH		DE-25/03/2022
1	ii) Columns, column-beam connections with & without splicing, isolated footing, staircase (Plate 2)	×	i.	Dt-25/03/2022
	iii) Different types of bolt connections, welded connections. (Plate3)			At- 25/03/2022
	iv) Details of Pile and Pile cap	APRIL		St-08/04/2022
	Use of STADD Pro Software:		05	
2	2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis			At - 22/04/2022
	Analysis of a Continuous beam with more than two span subjected to udl and point load	¥	υ	25- 22/04/2022

SI.	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
٠	3-D modeling of building structures ,dead load, live load, earthquake and wind load analysis, design of a 3 storeyed building and preparation of reinforcement drawing and detailing	MAY		St-06/05/2022
	Introduction to STADD foundation.			Dt-06/05/2022
	Revit Architecture Software:		0.3	
	Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section, Level, Text, View			St-13/05/2022
	Modelling- Ramp, Railing, Stair	A Section 1		Dt 20/05/2022
3	Site- Topo surface- Parking Component, Site Component		e e e e e e e e e e e e e e e e e e e	Dt-20/05/2022
	Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit			St-03/06/2022
	3D View			Dt-17/06/2022
	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands			It - 24/06/2022

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Babita Salu.

SIGNATURE OF THE H.O.D.

1/01/2022

PRINCIPAL

P.C.I.E.T CHHENDIPADA.

## PRACTICAL LESSON PLAN FOR THE SESSION 2021 - 22

SECTION:- C2 SEMESTER: 6TH BRANCH:-CIVIL ENGG.

NAME OF THE FACULTY: (1) ER. SUJATA DALEI (2) ER. NANDINI PRADHAN, (3) ER. BABITA SAHU (LECT., CIVIL ENGG.)

SEMESTER FROM DT. 14.03.2022 TO 30.06.2022

PRACTICAL SUBJECT: PROJECT PHASE - II( PR-4 )

S ALLOTTED /WEEK:- 05 PERIODS		ACADEMIC CALENDAR &	ACTUAL PROGRESS OF THE
NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	TIME TABLE CLASS DAYS	COURSES MADE  DATES  (4 · 3 · 2021 , 23 · 3 · 2022 , 26 · 3 · 2022
SELECTION OF PROTECT ASSIGN.	MARCH	15	30.3.2022, 6.4.2022, 134.202
PLANNING & EXECUCATION.	APRIL	15	16.4.2022, 20.4.202, 23.04.20
QUALITY OF PERFORMANCE		1-	27.4.2022, 4.5.2023 7.5.202
SELECTION OF MATERIAL	MAY	15	11.5.2022, 14.5.2022, 18.5.20
SENCE OF RESPONSIBILITY			21.5.2022, 25.5.2022,
10N/PRESENTATION SKILL	JUNE	15	28.5.2022, 1.6.2022
INTER PERONAL SKILL HUMAN	3		4.6.2022, 8.6.2022, 11.6.202
		15	15.6.2022, 18.6. 2022, 22.6.202
VIVA VIICE			25. 06. 2022, 29.06. 2022
	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED  SELECTION OF PROJECT ASSIGN.  PLANNING & EXECUCATION.  QUALITY OF PERFORMANCE  SELECTION OF MATERIAL  SENCE OF RESPONSIBILITY  SELF EXPERIANCE/COMMUNICAT  ION/PRESENTATION SKILL  INTER PERONAL SKILL/HUMAN  REPORT NRITING SKILL	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED  MONTH  SELECTION OF PROJECT ASSIGN. MARCH  PLANNING & EXECUCATION. APRIL  QUALITY OF PERFORMANCE  SELECTION OF MATERIAL MAY  SENCE OF RESPONSIBILITY  SELF EXPERIANCE/COMMUNICAT  ION/PRESENTATION SKILL JUNE  INTER PRIONAL SKILL/HUMAN  REPORT NRITING SKILL  REPORT NRITING SKILL	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED  SELFCTION OF PROJECT ASSIGN. MARCH  PLANNING & EXECUCATION.  QUALITY OF PERFORMANCE  SELFCTION OF MATERIAL  SELF EXPERIANCE/COMMUNICAT  ION/PRESENTATION SKILL  INTER PERONAL SKILL/HUMAN  RELATION  REPORT NRITING SKILL  15

S. Daki N. Prodhen B. galu. SIGNATURE OF THE CONCERNED FACULTY.

Babita Shu. SIGNATURE OF THE H.O.D.

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

PRINCIPAL

#### P.C.I.E.T., CHHENDIPADA, DIST- ANGUL PRACTICAL LESSON PLAN FOR THE SESSION 2021-22 C2 SECTION:-SEMESTER: 6TH BRANCH:- CIVIL ENGG. NAME OF THE FACULTY: (1) ER. SUNIL KUMAR SAHU, (2) ER. SIBANI SAHU (LECT. CIVIL ENGG.) PRACTICAL SUBJECT: LIFE SKILLS (PR-5) SEMESTER FROM DT. 14.03.2022 TO 30.06.2022 CLASS ALLOTTED /WEEK:- 02 PERIODS AS PER ACADEMIC CALENDAR & ACTUAL PROGRESS OF THE COURSES NAME OF THE PRACTICAL EXPERIMENT/JOBS TIME TABLE DATES MONTH MADE SI. TO BE COVERED **CLASS DAYS** No. 25.3.2022, 03 SOCIAL SKILL MARCH 8.4.2022, 22.4.2022 12 PROBLEM SOLVING APRIL 13.5.2022 6.5.2022 03 PRESENTATION SKILL MAY 20.5.2022, 27.5.2022. GROUP DISCUSSION & INTERVIEW 3.6.2022, 10.6.2022 **TECHNIQUES** 01 JUNE WORKING IN TEAM 5 17.6.2022, 24.6.2022 TASK MANAGEMENT 6 7 8 9

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