

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

THEORY LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH : CIVIL ENGG. SEMESTER : 6TH, SECTION :- (C1 & C2)

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

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

SUBJECT: - LAND SURVEY - II (TH-1)

CLASS ALLOTTED / WEEK: 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	TACHEOMETRY:	9		
	Principles, stadia constants determination	1	JANUARY	Dt - 16.01, 2024
	Numerical problems	1		Dt - 16.01.2024
	Stadia tacheometry with staff held vertical with line of collimation horizontal .	1		Dt - 17.01.2024
	Stadia tacheometry with staff held vertical with line of collimation inclined	1		Dt - 17.01.2024
	Numerical problems on tacheometry	1		Dt - 18.01.2024
	Elevations and distances of staff stations – numerical problems	1		Dt - 22.01.2024
	Numerical problems on tacheometry	1		Dt - 24.01.2024
	Numerical problems on tacheometry	1		Dt - 24.01.2024
	Numerical problems on tacheometry	1		Dt - 25.01.2024
2	CURVES :	8		
	Purpose & use of different types of curves in field	1		Dt - 29.01.2024
	Elements of circular curves, numerical problems	1		Dt - 30.01.2024
	Setting out of circular curve by chain and tape	1		Dt - 31.01.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Setting out of circular curve by instrument angular methods	1	FEBRUARY	Dt - 05.02.2024
	Preparation of curve table for setting out of curve	1		Dt - 06.02.2024
	Setting out of circular curve offsets from chord produced, offsets from tangents	1		Dt - 07.02.2024
	Setting out of circular curve offsets from long chord, Rankine's method of tangent angles	1		Dt - 07.02.2024 & Dt - 08.02.2024
	Obstacles in curve ranging - point of intersection inaccessible	1		Dt - 12.02.2024
3	BASICS ON SCALE AND BASICS OF MAP:	8		
	Fractional or Ratio Scale, Linear Scale, Graphical Scale	1		Dt - 13.02.2024
	What is Map, Map Scale and Map Projections	1		Dt - 15.02.2024
	How Maps Convey Location and Extent	1		Dt - 19.02.2024
	How Maps Convey Spatial Relationship, Classification of Maps	1		Dt - 20.02.2024
	Climate Map, Thematic Map	1		Dt - 21.02.2024
	Topographic Map, Road Map	1		Dt - 21.02.2024
	Political Map	1		Dt - 22.02.2024
	Thematic Map	1		Dt - 26.02.2024
	SURVEY OF INDIA MAP SERIES:	10		
4	Open Series map	1		Dt - 27.02.2024
	Defense Series Map	1		Dt - 27.02.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
	Map Nomenclature	1	MARCH	Dt - 28.02.2024	
	Quadrangle Name	1		Dt - 28.02.2024	
	Latitude, Longitude,	1		Dt - 29.02.2024	
	Contour Lines	1		Dt - 04.03.2024	
	Magnetic Declination	1		Dt - 06.03.2024	
	Public Land Survey System	1		Dt - 06.03.2024	
	Field Notes	1		Dt - 07.03.2024	
	UTM's	1		Dt - 11.03.2024	
5	BASICS OF AERIAL PHOTOGRAPHY, PHOTOGRAMMETRY, DEM AND ORTHO IMAGE GENERATION :	10			
	Aerial Photography:	1		Dt - 12.03.2024	
	Film, Focal Length, Scale	1		Dt - 13.03.2024	
	Types of Aerial Photographs (Oblique, Straight)	1		Dt - 17.03.2024	
	Photogrammetry Classification of Photogrammetry	1		Dt - 18.03.2024	
	Aerial Photogrammetry, Terrestrial Photogrammetry	1		Dt - 19.03.2024	
	Photogrammetry Process: Acquisition of Imagery using aerial and satellite platform	1		Dt - 20.03.2024	
	Control Survey Geometric Distortion in Imagery	1		Dt - 21.03.2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
	Application of Imagery and its support data Orientation and Triangulation Stereoscopic Measurement	1		Dt - 27.03.2024	
	DTM/DEM Generation	1		Dt - 28.03.2024	
	Ortho Image Generation	1		Dt - 28.03.2024	
6	MODERN SURVEYING METHODS :	10			
	Principles, features and use of (i) Micro-optic theodolite	1	APRIL	Dt - 02.04.2024	
	Set up and use of total station to measure angles	1		Dt - 03.04.2024	
	The co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry	1		Dt - 03.04.2024	
	The co-ordinates (X,Y & Z or northing, easting, and elevation) of surveyed points relative to Total Station position using trigonometry by triangulation.	1		Dt - 04.04.2024	
	Measurement of horizontal angle	1		Dt - 08.04.2024	
	Measurement of vertical angle	1		Dt - 09.04.2024	
	Measurement of horizontal distance	1		Dt - 10.04.2024	
	Measurement of vertical distance	1		Dt - 10.04.2024	
	Marking of co-ordinates of plan of a building	1		Dt - 15.04.2024	
	Marking of BM	1		Dt - 15.04.2024	

SL No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
7	BASICS ON GPS & DGPS AND ETS:	10		
	GPS: - Global Positioning	1		Dt - 16.04.2024
	Working Principle of GPS, GPS Signals,	1		Dt - 16.04.2024
	Errors of GPS, Positioning Methods	1		Dt - 16.04.2024
	Base Station Setup, Rover GPS Set up	1		Dt - 18.04.2024
	Download, Post-Process and Export GPS data Sequence to download GPS data from flashcards	1		Dt - 18.04.2024
	Sequence to Post-Process GPS data, Sequence to export post process GPS data	1		Dt - 18.04.2024
	Sequence to export GPS Time tags to file, ETS: - Electronic Total Station	1		Dt - 18.04.2024
	Distance Measurement, Angle Measurement	1		Dt - 22.04.2024
	Leveling, Determining position	1		Dt - 22.04.2024
	Reference networks, Errors and Accuracy	1		Dt - 22.04.2024
8	BASICS OF GIS AND MAP PREPARATION USING GIS	10		
	Components of GIS, Integration of Spatial and Attribute Information	1		Dt - 23.04.2024
	Three Views of Information System	1		Dt - 23.04.2024
	Database or Table View, Map View and Model View	1		Dt - 25.04.2024
	Spatial Data Model Attribute Data Management and Metadata Concept	1		Dt - 25.04.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Prepare data and adding to Arc Map. Organizing data as layers.	1		Dt - 24.04.2024
	Editing the layers. Switching to Layout View.	1		Dt - 24.04.2024
	Change page orientation	1		Dt - 24.04.2024
	Removing Borders.	1		Dt - 25.04.2024
	Adding and editing map information.	1		Dt - 25.04.2024
	Finalize the map	1		Dt - 25.04.2024



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SIGNATURE OF THE H.O.D.



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THEORY LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH : CIVIL ENGG. SEMESTER : 6TH, SECTION :- (C1 & C2)

NAME OF THE FACULTY : (1) ER. BABITA SAHU (H.O.D., CIVIL ENGG.), (2) ER. SIDHANTA SEKHAR MAHAR (LECT. IN CIVIL ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

SUBJECT: - CONSTRUCTION MANAGEMENT (TH-2)

CLASS ALLOTTED / WEEK: 04 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	UNIT-1 : Introduction To Construction Management	4		
	Aims and objectives of construction management	1	JANUARY	Dt - 16.01.2024
	Functions of construction management	1		Dt - 16.01.2024
	The construction team components-owner,engineer,architect, contractor-their functions and interrelationship and jurisdiction	1		Dt - 17.01.2024
	Resources for construction management-men,machines, materials, money	1		Dt - 18.01.2024
2	UNIT-2 : Constructional Planning	7		
	Importance of Construction Planning	1		Dt - 22.01.2024
	Developing work breakdown structure for construction work	1		Dt - 24.01.2024
	Construction Planning stages-Pre-tender stage, Post-tender stage.	1		Dt - 24.01.2024
	Construction scheduling by Bar charts-preparation of Bar Charts for simple construction works	1		Dt - 25.01.2024
	Preparation of schedules for labour materials,machinery, finance for small works	1		Dt - 29.01.2024
	Limitation of Bar charts	1		Dt - 30.01.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE	
	Construction scheduling by network techniques-definition of terms ,PERT and CPM techniques, Advantages and disadvantages of two techniques, network analysis, estimation of time and critical path, application of PERT and CPM techniques in sample construction works	1		Dt - 30.01.2024 Dt - 31.01.2024	
3	UNIT-3 : Materials and Stores Management	4			
	Classification of Stores-storage of stock	1	FEBRUARY	Dt - 01.02.2024	
	Classification of Stores-storage of stock	1		Dt - 01.02.2024	
	Issue of materials-indent , invoice, bin card	1		Dt - 05.02.2024	
	Issue of materials-indent , invoice, bin card	1		Dt - 06.02.2024	
4	UNIT-4 : Construction Site Management	5			
	Job Lay out-Objectives, Review plans, specifications, Lay out of equipments	1		Dt - 07.02.2024	
	Location of equipment, organizing labour at site	1		Dt - 08.02.2024	
	Job lay out for different construction sites	1		Dt - 12.02.2024	
	Principle of storing material at site	1		Dt - 13.02.2024	
	Revision	1		Dt - 15.02.2024	
5	UNIT-5 : Construction Organization:	6			
	Introduction – Characteristics, Structure, importance	1		Dt - 14.02.2024	
	Organization types-line and staff, functions and their characteristics	1		Dt - 19.02.2024	
	Principles of organization- meaning and significance of terms- control, authority, responsibility, job & task	1		Dt - 20.02.2024	

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Leadership-necessity, styles of leadership, role of leader, Human relations-relations with subordinates, peers, Supervisors	1		Dt - 21.02.2024
	characteristics of group behavior, mob psychology, handling of grievances, absenteeism, labour welfare	1		Dt - 22.02.2024
	Conflicts in organization-genesis of conflicts, types-intrapersonal, interpersonal, intergroup, resolving conflicts.	1		Dt - 26.02.2024
6	UNIT-6 : Construction Labour and Labour Management:	6		
	Preparing Labour schedule	1		Dt - 27.02.2024
	Essential steps for optimum labour output	1		Dt - 27.02.2024
	Labour characteristics	1		Dt - 28.02.2024
	Wages & their payment	1		Dt - 29.02.2024
	Labour incentives	1		Dt - 29.02.2024
	Motivation- Classification of motives, different approaches to motivation	1	MARCH	Dt - 04.03.2024
7	UNIT-7 : Equipment Management	6		
	Preparing the equipment schedule	1		Dt - 06.03.2024
	Identification of different alternative equipment	1		Dt - 06.03.2024
	Importance of Owning costs in making decisions for hiring & purchase of equipment	1		Dt - 07.03.2024
	operating costs in making decisions for hiring & purchase of equipment	1		Dt - 11.03.2024
	Inspection and testing of equipment	1		Dt - 12.03.2024
	Equipment maintenance	1		Dt - 12.03.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
8	UNIT-8 : Quality Control	5		
	Concept of quality in construction	1		Dt - 13.03.2024
	Quality Standards- during construction	1		Dt - 14.03.2024
	Quality Standards-after construction	1		Dt - 18.03.2024
	destructive & non destructive methods	1		Dt - 19.03.2024
	Revision and class test	1		Dt - 20.03.2024
9	UNIT-9 : Monitoring Progress	6		
	Programme of work	1		Dt - 21.03.2024
	progress of work	1		Dt - 27.03.2024
	Work study	1		Dt - 28.03.2024
	Analysis of physical and financial progress corrective measures	1	APRIL	Dt - 02.04.2024
	control of physical and financial progress corrective measures	1		Dt - 03.04.2024
	Revision and class test	1		Dt - 04.04.2024
10	UNIT-10 : Safety Management In Construction	5		
	Importance of safety	1		Dt - 08.04.2024
	causes and effects of accidents in construction works	1		Dt - 09.04.2024
	Safety measures in worksites for excavation, scaffolding, formwork	1		Dt - 10.04.2024
	fabrication and erection, demolition.	1		Dt - 15.04.2024
	Development of safety consciousness	1		Dt - 15.04.2024
	Safety legislation- Workman's compensation act, contract labour act	1		Dt - 16.04.2024

Sr. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
11	UNIT-11 : Role of Vulnerability Atlas of India in construction projects	6		
	Introduction to Vulnerability Atlas of India, Concepts of natural hazards and disasters and vulnerability profile of India. Definition of disaster related terms.	1		Dt - 18.04.2024
	Earthquake hazard and vulnerability, Magnitude and intensity scales of earthquake, seismic zones, earthquake hazard maps, types of structures and damage classification, effects in housing and resistant measures.	1		Dt - 22.04.2024
	Wind / Cyclone hazard and vulnerability, wind speed and pressures, wind hazard and cyclone occurrence maps, storm surveys and cyclone resistant measures.	1		Dt - 23.04.2024
	Flood hazard and vulnerability, Flood hazard and Flood prone areas of the country, General protection of habitants and flood resistant construction.	1		Dt - 24.04.2024
	Landslides, Tsunamis and Thunderstorm hazards and vulnerability, Landslide & Thunderstorm incidence maps, Measures against Tsunami, hazards.	1		Dt - 25.04.2024
	Housing vulnerability risk tables and usage of vulnerability atlas of India, Inclusion of vulnerability atlas in Tender documents.	1		Dt - 25.04.2024

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THEORY LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH : CIVIL ENGG. SEMESTER : 6TH, SECTION :- (C1 & C2)

**NAME OF THE FACULTY : (1) ER. SWARNAPRAVA PARIDA
(2) ER. SUMANTA SAHOO (LECT. IN CIVIL ENGG.)**

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

SUBJECT: - ADVANCED CONSTRUCTION TECHNIQUES & EQUIPMENT (TH-3)

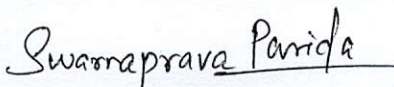
CLASS ALLOTTED / WEEK: 4 PERIODS

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	UNIT-1 : Advanced Construction Materials	10		
	Fibers and Plastics- Types of fibers- Steel, Carbon, glass fibers	1	JANUARY	Dt - 16.01.2024
	Use of fibers as construction material, properties of Fibers	1		Dt - 17.01.2024
	Types of plastics- PVC, RPVC, HDPE, FRP, GRP	1		Dt - 18.01.2024
	Colored plastic sheets. Use of plastic as construction material	1		Dt - 22.01.2024
	Artificial Timbers – Properties	1		Dt - 24.01.2024
	Uses of artificial timber	1		Dt - 25.01.2024
	Types of artificial timber available in market, strength of artificial timber	1		Dt - 29.01.2024
	Miscellaneous materials – Properties and uses of acoustics materials	1		Dt - 30.01.2024
	Wall claddings, plaster boards, micro-silica, artificial sand	1		Dt - 30.01.2024
	Bonding agents, adhesives	1		Dt - 31.01.2024
2	UNIT-2 : Prefabrication	8		
	Introduction, necessity and scope of prefabrication of buildings	1	FEBRUARY	Dt - 01.02.2024
	History of prefabrication, current uses of prefabrication, types of prefabricated systems	1		Dt - 01.02.2024
	Classification of prefabrication, advantages and disadvantages of prefabrication	1		Dt - 05.02.2024

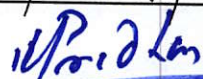
Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	The theory and process of prefabrication	1		Dt - 06.02.2024
	Design principle of prefabricated systems	1		Dt - 07.02.2024
	Types of prefabricated elements	1		Dt - 08.02.2024
	Modular coordination Indian standard recommendation for modular planning	1		Dt - 12.02.2024
	Revision	1		Dt - 13.02.2024
3	UNIT-3 : Earthquake Resistant Construction	8		Dt - 15.02.2024
	Building Configuration	1		Dt - 15.02.2024
	Lateral Load resisting structures	1		Dt - 19.02.2024
	Building characteristics	1		Dt - 20.02.2024
	Effect of structural irregularities-vertical irregularities	1		Dt - 20.02.2024
	Plan configuration problems	1		Dt - 21.02.2024
	Safety consideration during additional construction and alteration of existing Buildings.	1		Dt - 22.02.2024
	Additional strengthening measures in masonry building-corner reinforcement	1		Dt - 26.02.2024
	lintel band, sill band, plinth band, roof band, gable band	1		Dt - 27.02.2024
4	UNIT-4 : Retrofitting of Structures	8		
	Seismic retrofitting of reinforced concrete buildings	1		Dt - 28.02.2024
	Seismic retrofitting of reinforced concrete buildings	1		Dt - 28.02.2024
	Sources of weakness in RC frame building	1		Dt - 29.02.2024
	Sources of weakness in RC frame building	1		Dt - 29.02.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Classification of retrofitting techniques and their uses	1	MARCH	Dt - 01.03.2024
	Classification of retrofitting techniques and their uses	1		Dt - 06.03.2024
	Revision	1		Dt - 07.03.2024
	Class test	1		Dt - 11.03.2024
5	UNIT-5 : Building Services	8		
	Cold Water Distribution in high rise building, lay out of installation	1		Dt - 12.03.2024
	Hot water supply – General principles for central plants-layout	1		Dt - 13.03.2024
	Sanitation –soil and waste water installation in high rise buildings	1		Dt - 14.03.2024
	Electrical services – i) requirements in high rise buildings ii) Layout of wiring - types of wiring their uses	1		Dt - 18.03.2024
	Fuses and their types ,Earthing and their uses	1		Dt - 19.03.2024
	Lighting – Requirement of lighting, Measurement of light intensity	1		Dt - 20.03.2024
	Ventilation - Methods of ventilation (Natural and artificial Systems of ventilation) problems on ventilation	1		Dt - 21.03.2024
	Mechanical Services- Lifts, Escalator, Elevators – types and uses.	1		Dt - 27.03.2024
6	UNIT-6 : Construction and Earth Moving Equipments	10		
	Planning construction equipments	1		Dt - 28.03.2024
	selection of construction equipments	1		Dt - 28.03.2024
	Study on earth moving equipments like drag line, tractor	1	APRIL	Dt - 02.04.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Bulldozer, Power shovel	1		Dt - 05.04.2024
	Study and uses of compacting equipments like tamping rollers,	1		Dt - 03.04.2024
	Smooth wheel rollers, Pneumatic tired rollers and vibrating compactors	1		Dt - 04.04.2024
	Owning and operating cost	1		Dt - 08.04.2024
	Problems based on owning cost	1		Dt - 09.04.2024
	Problems based on owning cost	1		Dt - 10.04.2024
	Revision	1		Dt - 15.04.2024
7	UNIT-7 : Soil reinforcing techniques	8		
	Necessity of soil reinforcing.	1		Dt - 16.04.2024
	Use wire mesh	1		Dt - 16.04.2024
	geo-synthetics	1		Dt - 18.04.2024
	Strengthening of embankments	1		Dt - 22.04.2024
	Slope stabilization in cutting	1		Dt - 22.04.2024
	Slope stabilization embankments by soil reinforcing techniques.	1		Dt 23.04.2024
	Revision	1		Dt - 24.04.2024
	Class test	1		Dt - 25.04.2024


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THEORY LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH : CIVIL ENGG. SEMESTER : 6TH, SECTION :- (C1 & C2)

**NAME OF THE FACULTY : (1) ER. NANDINI PRADHAN
(LECT. IN CIVIL ENGG.)**

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

SUBJECT: - CONCRETE TECHNOLOGY (TH-4A)

CLASS ALLOTTED / WEEK: 4

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
1	UNIT-1 : Concrete as a Construction Material :	2		
	Grades of concrete	1	JANUARY	Dt - 16.01.2024
	Advantages and disadvantages of concrete	1		Dt - 16.01.2024
2	UNIT-2 : Cement :	4		
	Composition, hydration of cement	1		Dt - 17.01.2024
	Water cement ratio and compressive strength	1		Dt - 17.01.2024
	Fineness of cement, setting time	1		Dt - 18.01.2024
	Soundness, types of cement.	1		Dt - 22.01.2024
3	UNIT-3 : Aggregate, Water and Admixtures:	6		
	Classification and characteristics of aggregate	1		Dt - 24.01.2024
	Fineness modulus, grading of aggregate, I.S.383	1		Dt - 25.01.2024
	Quality of water for mixing and curing	1		Dt - 29.01.2024
	Important functions, classification of admixtures	1		Dt - 30.01.2024
	I.S 9103, accelerating admixtures, retarding admixtures, water reducing admixtures, air containing admixtures	1		Dt - 31.01.2024
	Revision	1		Dt - 31.01.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
4	UNIT-4 : Properties of Fresh Concrete:	6		
	Concept of fresh concrete, workability	1	FEBRUARY	Dt - 01.02.2024
	Slump test	1		Dt - 01.02.2024
	Compacting factor test	1		Dt - 05.02.2024
	V-bee consistency test	1		Dt - 06.02.2024
	Flow test, requirement of workability, I.S.1199.	1		Dt - 07.02.2024
	Class test	1		Dt - 08.02.2024
5	UNIT-5 : Properties of Hardened Concrete:	7		
	Cube and cylinder compressive strengths	1		Dt - 12.02.2024
	Flexural strength of concrete	1		Dt - 13.02.2024
	Stress-strain and elasticity	1		Dt - 15.02.2024
	Phenomena of creep and shrinkage, permeability	1		Dt - 15.02.2024
	Durability of concrete, sulphate, chloride on concrete	1		Dt - 19.02.2024
	Acid attack on concrete, efflorescence	1		Dt - 20.02.2024
	Revision	7		Dt - 21.02.2024
6	UNIT-6 : Concrete Mix Design :	5		
	Introduction, Data or input required for mix design	1		Dt - 22.02.2024
	Nominal mix concrete, design mix concrete	1		Dt - 26.02.2024
	Design mix concrete	1		Dt - 27.02.2024
	Basic consideration for concrete mix design	1		Dt - 28.02.2024
	Methods of proportioning concrete mix – I.S Code method of mix design(I.S.10262)	1		Dt - 29.02.2024.

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
7	UNIT-7 : Production of Concrete:	6		
	Batching of materials, mixing of concrete materials	1	MARCH	Dt - 04.03.2024
	Transportation, placing of concrete	1		Dt - 06.03.2024
	Compaction of concrete (vibrators)	1		Dt - 07.03.2024
	Curing of concrete, Formwork	1		Dt - 11.03.2024
	Requirements and types ,stripping of forms	1		Dt - 12.03.2024
	Class test	1		Dt - 13.03.2024
8	UNIT-8 : Inspection and Quality Control of Concrete :	6		
	Quality control of Concrete as per I.S.456	1		Dt - 14.03.2024
	Factors causing the variations in the quality of concrete	1		Dt - 18.03.2024
	Mixing, Transporting, Placing &curing requirements of Concrete as per I.S.456.	1		Dt - 19.03.2024
	Inspection and Testing as per Clause 17 of IS:456	1		Dt - 20.03.2024
	Durability requirements of Concrete as per I.S:456.	1		Dt - 21.03.2024
	Revision	1		Dt - 27.03.2024
9	UNIT-9 :Special Concrete :	6		
	Introduction to ready mix concrete	1		Dt - 28.03.2024
	High performance concrete	1		Dt - 28.03.2024
	Silica fume concrete	1	APRIL	Dt - 02.04.2024
	Shot-crete concrete or gunnitng	1		Dt - 02.04.2024
	Revision	1		Dt - 03.04.2024
	Question discussion	1		Dt - 03.04.2024

Sl. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
10	UNIT-10 : Deterioration of Concrete and its Prevention :	6		
	Types of deterioration	1		Dt - 04.04.2024
	Prevention of concrete deterioration	1		Dt - 08.04.2024
	Corrosion of reinforcement	1		Dt - 09.04.2024
	Effects and prevention	1		Dt - 10.04.2024
	Revision	1		Dt - 10.04.2024
	Question discussion	1		Dt - 10.04.2024
11	UNIT-11 : Repair Technology for Concrete Structures :	6		
	Symptom, cause during construction	1		Dt - 15.04.2024
	Prevention , remedy of defects during construction	1		Dt - 16.04.2024
	Cracking of concrete due to different reasons	1		Dt - 18.04.2024
	Repair of cracks for different purposes	1		Dt - 22.04.2024
	Selection of techniques, polymer based repairs, common types of repairs	1		Dt - 23.04.2024 & 24.04.2024
	Class test	1		Dt - 25.04.2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

NAME OF THE FACULTY : (1) ER. BABITA SAHU (H.O.D., CIVIL ENGG.), (2) ER. SIDHANTA SEKHAR MAHAR (LECT. IN CIVIL ENGG.), (3) ER. IPSITA NAYAK (T.A., CIVIL ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024 PRACTICAL SUBJECT: CONSTRUCTION WORKS PRACTICE & MS PROJECT (PR-1)

CLASS ALLOTTED /WEEK:- 05 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	PART 1: Construction Work Practices			
1	1. Study of tools required for construction of masonry.	JANUARY	02	Dt - 18.01.2024
2	2. Lay out Plan of a building.		03	Dt - 22.01.2024
3	3. Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.		02	Dt - 25.01.2024
4	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.		02	Dt - 29.01.2024
5	Bar bending and fabrication of reinforcements for a beam.	FEBRUARY	02	Dt - 01.02.2024
6	Bar bending and fabrication of reinforcements for a slab.		03	Dt - 05.02.2024
7	Bar bending and fabrication of reinforcements for a lintel with chajja.		02	Dt - 08.02.2024
8	Bar bending and fabrication of reinforcements for a column.		03	Dt - 12.02.2024
9	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.		02	Dt - 15.02.2024
10	Study of pipe joints and plumbing fixtures.		03	Dt - 19.02.2024

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
11	Field Visits:			
	Visit to a construction site of a building where the following works are in progress.		02	Dt - 22.02.2024
	Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g) Flooring		03	Dt - 26.02.2024
	PART II: MS Project			
1	Introduction to Microsoft Project		02	Dt - 29.02.2024
	1.1 Project Management-Definition & concept	MARCH	03	Dt - 04.03.2024
	1.2 Features of Microsoft project		02	Dt - 07.03.2024
	1.3 MS project scheduling for engineering		03	Dt - 11.03.2024
2	Creating a project plan		02	Dt - 14.03.2024
	2.1 Basic information for a new project		03	Dt - 18.03.2024
	2.2 Creating project from a blank		02	Dt - 21.03.2024
	2.3 Creating project from existing		02	Dt - 28.03.2024
4	Basics of Microsoft Project			
	3.1 Estimating a project	APRIL	02	Dt - 04.04.2024
	3.2 Project Task		03	Dt - 08.04.2024
	3.3 Project Resources		03	Dt - 15.04.2024
5	Tracking the project progress		05	Dt - 18.04.2024 & Dt - 22.04.2024
6	Project Reporting		02	Dt - 25.04.2024
7	Custom views and field		02	Dt - 25.04.2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

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

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

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

CLASS ALLOTTED /WEEK:- 05 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	TRIGONOMETRICAL SURVEYING & TACHEOMETRY:			
	Determination of height of 3 objects whose bases are accessible	JANUARY	03	Dt - 16.01.2024
	Determination of stadia constants		03	Dt - 16.01.2024
	Determination of horizontal distance an elevation with Staff vertical , by stadia method		03	Dt - 16.01.2024
2	SETTING OUT CURVES AND SITE SURVEYING:			
	Setting out a simple circular curve by offsets from long chord		02	Dt - 24.01.2024
	Setting out a simple circular curve by offsets from the tangent		03	Dt - 30.01.2024
	Setting out a simple circular curve by offsets from chords produces		02	Dt - 31.02.2024
	Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles)	FEBRUARY	03	Dt - 06.02.2024
	Setting out a site the center line and foundation width of a building from the given plan		02	Dt - 07.02.2024
	Setting out the foundation line for a culvert		03	Dt - 13.02.2024
	Dividing an area into plots of given size		02	Dt - 14.02.2024

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
3	STUDY OF MAP AND MAP SERIES:			
	Physical Map		03	Dt - 20.02.2024
	Topographic Map		03	Dt - 20.02.2024
	Road Map		03	Dt - 20.02.2024
	Political Map		02	Dt - 21.02.2024
	Economic & Resources Map		02	Dt - 21.02.2024
	Thematic Map		03	Dt - 27.02.2024
	Climate Map		03	Dt - 27.02.2024
	Open Series map and Defense Series Map		02	Dt - 28.02.2024
4	STUDY ON GPS & DGPS AND ETS:			
	4.1 GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods	MARCH	01	Dt - 06.03.2024
	4.2 DGPS: - Differential Global Positioning System		01	Dt - 06.03.2024
	4.2.1 Base Station Setup		02	Dt - 12.03.2024
	4.2.2 Rover GPS Set up		02	Dt - 12.03.2024
	4.2.3 Download, Post-Process and Export GPS data		02	Dt - 13.03.2024
	4.2.4 Sequence to download GPS data from flashcards		03	Dt - 19.03.2024
	4.2.5 Sequence to Post-Process GPS data		03	Dt - 19.03.2024
	4.2.6 Sequence to export post process GPS data		02	Dt - 20.03.2024
	4.2.7 Sequence to export GPS Time tags to file		02	Dt - 20.03.2024

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
5	ETS: - Electronic Total Station			
	Distance Measurement	APRIL	02	Dt - 02.04.2024
	Angle Measurement		02	Dt - 02.04.2024
	Leveling		02	Dt - 02.04.2024
	Determining position		03	Dt - 03.04.2024
	Reference networks		03	Dt - 03.04.2024
	Errors and Accuracy		03	Dt - 03.04.2024
6	STUDY OF GIS AND MAP PREPARATION USING GIS			
	Components of GIS, Integration of Spatial and Attribute Information		03	Dt - 09.04.2024
	Three Views of Information System		03	Dt - 09.04.2024
	Database or Table View, Map View and Model View		03	Dt - 09.04.2024
	Spatial Data Model		02	Dt - 10.04.2024
	Attribute Data Management and Metadata Concept		02	Dt - 10.04.2024
	Prepare data and adding to Arc Map.		02	Dt - 10.04.2024
	Organizing data as layers.		02	Dt - 10.04.2024
	Editing the layers.		03	Dt - 16.04.2024
	Switching to Layout View.		03	Dt - 16.04.2024
	Change page orientation.		03	Dt - 23.04.2024
	Removing Borders.		03	Dt - 23.04.2024
	Adding and editing map information.		02	Dt - 24.04.2024
	Finalize the map		02	Dt - 24.04.2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

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

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

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

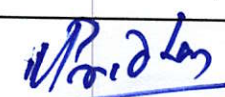
CLASS ALLOTTED /WEEK:-

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	Structural Detailing Practice:			
	Draw the following with necessary details and schedule of bars from supplied sketches or given references such as SP 34	JANUARY	03	Dt-19.01.2024
	i) Slab, beam and lintel with chajja as in a simple building (Plate I)	FEBRUARY	03	Dt-02.02.2024
	ii) Columns, column-beam connections with & without splicing, isolated footing, staircase (Plate 2)		03	Dt-09.02.2024
	iii) Different types of bolt connections, welded connections. (Plate3)		03	Dt-16.02.2024
	iv) Details of Pile and Pile cap		03	Dt-16.02.2024
2	Use of STADD Pro Software:			
	2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis		03	Dt-23.02.2024
	Analysis of a Continuous beam with more than two span subjected to udl and point load	MARCH	03	Dt-01.03.2024

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
	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		03	Dt - 15. 03. 2024
	Introduction to STADD foundation.		03	Dt - 22. 03. 2024
3	Revit Architecture Software:			
	Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section, Level, Text, View	APRIL	03	Dt - 05. 04. 2024
	Modelling- Ramp, Railing, Stair		03	Dt - 05. 04. 2024
	Site- Topo surface- Parking Component, Site Component		03	Dt - 12. 04. 2024
	Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit		03	Dt - 12. 04. 2024
	3D View		03	Dt - 19. 04. 2024
	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands		03	Dt - 26. 04. 2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C1

NAME OF THE FACULTY : (1) ER. BABITA SAHU (H.O.D., CIVIL ENGG.), (2) ER. SWARNAPRAVA PARIDA (LECT. IN CIVIL ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

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

CLASS ALLOTTED /WEEK:- 05 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1.	Selection of Project assignment.	JANUARY	04	Dt - 18.01.2024 , Dt - 20.01.2024 Dt - 25.01.2024 , Dt - 27.01.2024
2.	Planning & executing of Consideration	FEBRUARY	04	Dt - 01.02.2024 , Dt - 03.02.2024 Dt - 08.02.2024 , Dt - 10.02.2024
3.	Quality of performance.		02	Dt - 15.02.2024 , Dt - 17.02.2024
4.	Providing solution of problems or production of final product.		03	Dt - 22.02.2024 , Dt - 24.02.2024 Dt - 29.02.2024
5.	Sense of Responsibility.	MARCH	04	Dt - 02.03.2024 , Dt - 07.03.2024 Dt - 09.03.2024 , Dt - 14.03.2024
6.	Self expression/communicating/personal skills.		05	Dt - 16.03.2024 , Dt - 21.03.2024 , Dt - 23.03.24 Dt - 28.03.2024 , Dt - 30.03.2024
7.	Interpersonal skills/human relation.	APRIL	04	Dt - 04.04.2024 , Dt - 06.04.2024 Dt - 13.04.2024 , Dt - 18.04.2024
8.	Report writing skills		02	Dt - 20.04.2024 , Dt - 25.04.2024
9.	Viva voce.		01	Dt - 27.04.2024

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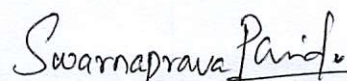
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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24				
BRANCH:- CIVIL ENGG.		SEMESTER: 6TH		SECTION:- C1
NAME OF THE FACULTY : (1) ER. SUMANTA PRADHAN, (LECT. IN CIVIL ENGG., (2) ER. IPSITA NAYAK (T.A., CIVIL ENGG.)				
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT : LIFE SKILLS (PR-5)	
CLASS ALLOTTED /WEEK:- 02 PERIODS				
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	SOCIAL SKILL	JANUARY	01	Dt - 19.01.2024
2	PROBLEM SOLVING	FEBRUARY	04	Dt - 02.02.24 , Dt - 09.02.2024 Dt - 16.02.2024 , Dt - 23.02.2024
3	PRESENTATION SKILL	MARCH	01	Dt - 01.03.2024
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES		02	Dt - 15.03.2024 , Dt - 22.03.2024
5	WORKING IN TEAM	APRIL	02	Dt - 05.04.2024 , Dt - 12.04.2024
6	TASK MANAGEMENT		02	Dt - 19.04.2024 , Dt - 26.04.2024
7				
8				
9				

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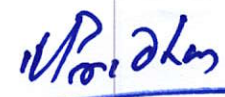
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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24					
BRANCH:- CIVIL ENGG.			SEMESTER: 6TH		SECTION : C1
NAME OF THE FACULTY : (1) ER. SWARNAPRAVA PARIDA, (2) ER. NANDINI PRADHAN (LECT. IN CIVIL ENGG.)					
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES		
CLASS ALLOTTED /WEEK :- 03 PERIODS					
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE	
01	Library Study & Technical Quiz	JANUARY	01	Dt - 19.01.2024	
02	Seminar on different Technical Topic	FEBRUARY	04	Dt - 02.02.2024 , Dt - 09.02.2024 Dt - 16.02.2024 Dt - 23.02.2024	
03	Seminar on different Environment Issues	MARCH	03	Dt - 01.03.2024 , Dt - 15.03.2024 Dt - 22.03.2024	
04	Personality development Class	APRIL	02	Dt - 05.04.2024 , Dt - 12.04.2024	
05.	Cultural Activities		02	Dt - 19.04.2024 , Dt - 26.04.2024	


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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C2

NAME OF THE FACULTY : (1) ER. BABITA SAHU (H.O.D., CIVIL ENGG.), (2) ER. SIDHANTA SEKHAR MAHAR (LECT. IN CIVIL ENGG.), (3) ER. IPSITA NAYAK (T.A., CIVIL ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024 PRACTICAL SUBJECT: CONSTRUCTION WORKS PRACTICE & MS PROJECT (PR-1)

CLASS ALLOTTED /WEEK:- 05 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	PART 1: Construction Work Practices			
1	1. Study of tools required for construction of masonry.	JANUARY	03	Dt - 16.01.2024
2	2. Lay out Plan of a building.		02	Dt - 17.01.2024
3	3. Construction of 1 & 1 ½ Brick thick walls in English Bond in Mud mortar including a corner.		02	Dt - 24.01.2024
4	Construction of 1 & 1 ½ Brick thick Pillar in Mud mortar.		03	Dt - 30.01.2024
5	Bar bending and fabrication of reinforcements for a beam.		02	Dt - 31.01.2024
6	Bar bending and fabrication of reinforcements for a slab.	FEBRUARY	03	Dt - 06.02.2024
7	Bar bending and fabrication of reinforcements for a lintel with chajja.		02	Dt - 07.02.2024
8	Bar bending and fabrication of reinforcements for a column.		03	Dt - 13.02.2024
9	Conducting a Non destructive compressive strength test on concrete beam using rebound Hammer as per I.S:1311(Part-2)-1992.		03	Dt - 20.02.2024
10	Study of pipe joints and plumbing fixtures.		02	Dt - 21.02.2024

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
11	Field Visits:			
	Visit to a construction site of a building where the following works are in progress.		03	Dt - 27.02.2024
	Excavation of foundation, b) Masonry works, c) Plumbing works d) Painting (interior/ exterior), e) Wood works, f) Fabrication & concreting works, g) Flooring		03	Dt - 27.02.2024
	PART II: MS Project		02	.
1	Introduction to Microsoft Project			Dt - 28.02.2024
	1.1 Project Management-Definition & concept	MARCH	02	Dt - 06.03.2024
	1.2 Features of Microsoft project		03	Dt - 12.03.2024
	1.3 MS project scheduling for engineering		02	Dt - 13.03.2024
2	Creating a project plan		03	Dt - 19.03.2024
	2.1 Basic information for a new project		02	Dt - 20.03.2024
	2.2 Creating project from a blank		02	Dt - 27.03.2024
	2.3 Creating project from existing		02	Dt - 27.03.2024
4	Basics of Microsoft Project			
	3.1 Estimating a project		03	Dt - 02.04.2024
	3.2 Project Task		02	Dt - 0.04.2024
	3.3 Project Resources		03	Dt - 10.04.2024
5	Tracking the project progress		02	Dt - 16.04.2024
6	Project Reporting		03	Dt - 23.04.2024
7	Custom views and field		02	Dt - 24.04.2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

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.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

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

CLASS ALLOTTED /WEEK:- 05 PERIODS

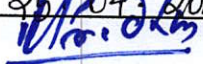
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	TRIGONOMETRICAL SURVEYING & TACHEOMETRY:			
	Determination of height of 3 objects whose bases are accessible	JANUARY	02	Dt - 18.01.2024
	Determination of stadia constants		03	Dt - 22.01.2024
	Determination of horizontal distance an elevation with Staff vertical , by stadia method		02	Dt - 25.01.2024
2	SETTING OUT CURVES AND SITE SURVEYING:			
	Setting out a simple circular curve by offsets from long chord		02	Dt - 25.01.2024
	Setting out a simple circular curve by offsets from the tangent		02	Dt - 25.01.2024
	Setting out a simple circular curve by offsets from chords produces		03	Dt - 29.01.2024
	Setting out a simple circular curve by Rankine's method of tangent angle (Deflection angles)		03	Dt - 29.01.2024
	Setting out a site the center line and foundation width of a building from the given plan	FEBRUARY	02	Dt - 01.02.2024
	Setting out the foundation line for a culvert		02	Dt - 01.02.2024
	Dividing an area into plots of given size		03	Dt - 05.02.2024

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
3	STUDY OF MAP AND MAP SERIES:			
	Physical Map		02	Dt - 08.02.2024
	Topographic Map		02	Dt - 08.02.2024
	Road Map		02	Dt - 08.02.2024
	Political Map		03	Dt - 12.02.2024
	Economic & Resources Map		03	Dt - 12.02.2024
	Thematic Map		02	Dt - 15.02.2024
	Climate Map		02	Dt - 15.02.2024
	Open Series map and Defense Series Map		02	Dt - 15.02.2024
4	STUDY ON GPS & DGPS AND ETS:			
	4.1 GPS: - Global Positioning, GPS Signals, Errors of GPS, Positioning Methods		03	Dt - 19.02.2024
	4.2 DGPS: - Differential Global Positioning System		03	Dt - 19.02.2024
	4.2.1 Base Station Setup		02	Dt - 22.02.2024
	4.2.2 Rover GPS Set up		02	Dt - 22.02.2024
	4.2.3 Download, Post-Process and Export GPS data		03	Dt - 26.02.2024
	4.2.4 Sequence to download GPS data from flashcards		03	Dt - 26.02.2024
	4.2.5 Sequence to Post-Process GPS data		03	Dt - 26.02.2024
	4.2.6 Sequence to export post process GPS data		02	Dt - 29.02.2024
	4.2.7 Sequence to export GPS Time tags to file		02	Dt - 29.02.2024

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
5	ETS: - Electronic Total Station			
	Distance Measurement	MARCH	03	Dt - 04.03.2024
	Angle Measurement		03	Dt - 04.03.2024
	Leveling		02	Dt - 07.03.2024
	Determining position		02	Dt - 07.03.2024
	Reference networks		03	Dt - 11.03.2024
	Errors and Accuracy		03	Dt - 11.03.2024
6	STUDY OF GIS AND MAP PREPARATION USING GIS			
	Components of GIS, Integration of Spatial and Attribute Information		02	Dt - 14.03.2024
	Three Views of Information System		02	Dt - 14.03.2024
	Database or Table View, Map View and Model View		03	Dt - 18.03.2024
	Spatial Data Model		03	Dt - 18.03.2024
	Attribute Data Management and Metadata Concept		02	Dt - 21.03.2024
	Prepare data and adding to Arc Map.		02	Dt - 21.03.2024
	Organizing data as layers.		02	Dt - 28.03.2024
	Editing the layers.	APRIL	02	Dt - 04.04.2024
	Switching to Layout View.		03	Dt - 08.04.2024
	Change page orientation.		02	Dt - 15.04.2024
	Removing Borders.		02	Dt - 18.04.2024
	Adding and editing map information.		03	Dt - 22.04.2024
	Finalize the map		02	Dt - 25.04.2024


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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C2

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

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

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

CLASS ALLOTTED /WEEK:-

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	Structural Detailing Practice:			
	Draw the following with necessary details and schedule of bars from supplied sketches or given references such as SP 34	JANUARY	03	Dt - 19.01.2024
	i) Slab, beam and lintel with chajja as in a simple building (Plate I)	FEBRUARY	03	Dt - 02.02.2024
	ii) Columns, column-beam connections with & without splicing, isolated footing, staircase (Plate 2)		03	Dt - 09.02.2024
	iii) Different types of bolt connections, welded connections. (Plate3)		03	Dt - 16.02.2024
	iv) Details of Pile and Pile cap		03	Dt - 16.02.2024
2	Use of STADD Pro Software:			
	2-D Modelling of structures, Use of Structure wizard, Geometry, Property, Support, Loads and combinations, Analysis		03	Dt - 23.02.2024
	Analysis of a Continuous beam with more than two span subjected to udl and point load	MARCH	03	Dt - 01.03.2024

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
	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		03	Dt - 15.03.2024
	Introduction to STADD foundation.		03	Dt - 22.03.2024
3	Revit Architecture Software:			
	Basics- Modify, Wall, Door, Window, Component Room, Roof, Floor, Grid, Lines, Dimension, Section, Level, Text, View		03	Dt - 05.04.2024
	Modelling- Ramp, Railing, Stair		03	Dt - 05.04.2024
	Site- Topo surface- Parking Component, Site Component		03	Dt - 12.04.2024
	Align, Split, Trim, offset, Match type, Line work, Paint, Scale, Unit		03	Dt - 12.04.2024
	3D View		03	Dt - 19.04.2024
	Preparation of approval drawing of a double storied residential building from given specifications with its 3D view using above commands		03	Dt - 26.04.2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C2

NAME OF THE FACULTY : (1) ER. BABITA SAHU (H.O.D., CIVIL ENGG.), (2) ER. SWARNAPRAVA PARIDA (LECT. IN CIVIL ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

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

CLASS ALLOTTED /WEEK:- 05 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Selection of Project assignment	JANUARY	04	Dt - 18.01.2024 , Dt - 20.01.2024 Dt - 25.01.2024 , Dt - 27.01.2024
2	Planning and execution of Consideration	FEBRUARY	04	Dt - 01.02.2024 , Dt - 03.02.2024 Dt - 08.02.2024 , Dt - 10.02.2024
3	Quality of Performance.		02	Dt - 15.02.2024 , Dt - 17.02.2024
4	Providing Solution of the problems are production of final product.		03	Dt - 22.02.2024 , Dt - 24.02.2024 Dt - 29.02.2024
5	Sense of responsibility	MARCH	04	Dt - 02.03.2024 , Dt - 07.03.2024 Dt - 09.03.24 , Dt - 14.03.24
6	Self expression /communication/ Presentation skill		05	Dt - 16.03.24 , Dt - 21.03.2024 , Dt - 23.03.24 Dt - 28.03.24 , Dt - 30.03.24
7	Interpersonal skills/ human relations	APRIL	04	Dt - 04.04.2024 , Dt - 06.04.2024 Dt - 13.04.2024 , Dt - 18.04.2024
8	Report writing skills		02	Dt - 20.04.2024 , Dt - 25.04.2024
9	Viva-voce		01	Dt - 27.04.2024

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- CIVIL ENGG.

SEMESTER: 6TH

SECTION:- C2

NAME OF THE FACULTY : (1) ER. SUMANTA PRADHAN, (LECT. IN CIVIL ENGG., (2) ER. IPSITA NAYAK (T.A., CIVIL ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT : LIFE SKILLS (PR-5)

CLASS ALLOTTED /WEEK:- 02 PERIODS

Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE	OF THE COURSES DATES
1	SOCIAL SKILL	JANUARY	01	Dt - 19.01.2024	
2	PROBLEM SOLVING	FEBRUARY	04	Dt - 02.02.2024 Dt - 16.02.2024	Dt - 09.02.2024 Dt - 23.02.2024
3	PRESENTATION SKILL	MARCH	01	Dt - 01.03.2024	
4	GROUP DISCUSSION & INTERVIEW TECHNIQUES		02	Dt - 15.03.2024	Dt - 22.03.2024
5	WORKING IN TEAM	APRIL	02	Dt - 05.04.2024	Dt - 12.04.2024
6	TASK MANAGEMENT		02	Dt - 19.04.2024	Dt - 26.04.2024
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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24					
BRANCH:- CIVIL ENGG.			SEMESTER: 6TH		SECTION : C1
NAME OF THE FACULTY : (1) ER. SWARNAPRAVA PARIDA, (2) ER. NANDINI PRADHAN (LECT. IN CIVIL ENGG.)					
SEMESTER FROM DT. 16.01.2024 TO 26.04.2024			PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES		
CLASS ALLOTTED /WEEK :- 03 PERIODS					
Sl. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE	OF THE COURSES DATES
01	Library study & Technical Quiz	JANUARY	01	Dt - 19.01.2024	
02	Seminar on different Technical Topic.	FEBRUARY	04	Dt - 02.02.2024 , Dt - 09.02.2024 Dt - 16.02.2024 , Dt - 23.02.2024	
03	Seminar on Different Environment issues	MARCH	03	Dt - 01.03.2024 , Dt - 15.03.2024 Dt - 22.03.2024	
04	Personality Development class	APRIL	02	Dt - 05.04.2024 , Dt - 12.04.2024	
05	Cultural Activities.		02	Dt - 19.04.2024 , Dt - 26.04.2024	

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