	P.C	I.E.T., CHHENDIPAD	A, DIST- ANG	UL
	BRANCH:-MECHANICAL ENGINEERING SE SECTION: MA	ESSON PLAN FOR T	NAME OF TH	E FACULTY : (1) ER. TARANISEN MOHANTY (H.O.D 5.), (2) ER. HIMANSU SEKHAR SAMAL (LECT. IN
LAS	ESTER FROM: 16.01.2024 to 26.04.2024 SS ALLOTTED /WEEK: 04 PERIODS		THEORY SU	BJECT: THEORY OF MACHINES (TH-1)
SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Simple Mechanism	8		
	1.1 Link ,kinematic chain, mechanism, machine	2	JANUARY	Dt. 16.01.24, 17.01.24
1	1.2 Inversion, four bar link mechanism and its inversion	2		5+.18.01.24, 22.01.24
	1.3 Lower pair and higher pair	2		Dt. 24.01.24, 25.01.24
	1.4 Cam and followers	2		31.01.24
	Friction	12		
	2.1 Friction between nut and screw for square thread, screw jack	2	FEBRUARY	Dt. 01.02.24, 05.02.24
	2.2 Bearing and its classification, Description of roller, needle roller& ball bearings.	2		Dt. 66. 02.24, 07.02.24
2	2.3 Torque transmission in flat pivot& conical pivot bearings.	2		Dt.08.05.54, 15.05.54
	2.4 Flat collar bearing of single and multiple types.	2		Dt. 13-02.24, 15.02.24
	2.5 Torque transmission for single and multiple clutches	2		2+.19.02.24, 20.02.24
	2.6 Working of simple frictional brakes.	2		At. 21.02.24, 22.02.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Power Transmission	12		
	3.1 Concept of power transmission	1		D1-26.02.24
	3.2 Type of drives, belt, gear and chain drive.	1		1. Ot. 27. 0224
	3.3 Computation of velocity ratio, length of belts (open and cross)with and without slip.	2		Df. 28.02.24, 29.02.24
	3.4 Ratio of belt tensions, centrifugal tension and initial tension.	1	MARCH	Dt:04.03.24
3	3 5 Power transmitted by the belt.	1		06.03.24
3	3 6 Determine belt thickness and width for given permissible stress for open and crossed belt considering centrifugal tension.	2		2+.07.03.24
	3.7 V-belts and V-belts pulleys.	1		21.12.03.24
	3.8 Concept of crowning of pulleys.	1		Dt. 13. 03- 24
	3.9 Gear drives and its terminology.	1		21.14.03.24
	3.10 Gear trains, working principle of simple, compound, reverted and epicyclic gear trains.	1		87·18·03-24
	Governors and Flywheel	8		
	4.1 Function of governor	1		Dt. 19.03-24
	4.2 Classification of governor	1		D+· 20· 03· 24
	4.3 Working of Watt, Porter, Proel and Hartnell governors.	2		Dr. 21.03.24, 27.03.24
4	4.4 Conceptual explanation of sensitivity, stability and isochronisms.	1		D+ · 28 · 03 · 24
	4.5 Function of flywheel.	1	APRIL	DF · 02 · 04 · 24
	4.6 Comparison between flywheel &governor.	1	. [2+·03·04·24
	4.7 Fluctuation of energy and coefficient of fluctuation of speed.	1		Dt. 04. 04. 54

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Balancing of Machine	8		
	5.1 Concept of static and dynamic balancing.	1		Dt. 08-04-24
	5.2 Static balancing of rotating parts.	1		Dt . 09. 04. 24
5	5.3 Principles of balancing of reciprocating parts.	2		Dt. 10.04.24 , 15.04.24
	5.4 Causes and effect of unbalance.	2		At. 16.04.24, L8.04.24
	5.5 Difference between static and dynamic balancing	2		2+. 22.04.24, 24.04.24
	Vibration of Machine Parts	8		
	6.1 Introduction to Vibration and related terms (Amplitude, time period and frequency, cycle)	2.		DF. 25-04.24,
c	6.2 Classification of vibration.	1		Dt. 27-03-24
6	6.3 Basic concept of natural, forced & damped vibration	2		Dt. 2002-24
	6.4 Torsional and Longitudinal vibration.	2		
	6.5 Causes & remedies of vibration.	1		Dt-15.02.24

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	P.C.I.I	E.T., CHHENDIPADA	, DIST- ANGUL	
	THEORY LE	SSON PLAN FOR TH	E SESSION 20	23 - 24
0511	SECTION:- MA	IESTER: 4TH	NAME OF THE F KUMAR SAHU, (ACULTY : (1) ER. SUBHASMITA JENA, (2) ER. DEWAN 3) ER. ABINASH SAHOO (LECT. IN MECH. ENGG.)
SEMI	STER FROM: 16.01.2024 to 26.04.2024	THEOR	Y SUBJECT: M.	ANUFACTURING TECHNOLOGY (TH-2)
CLAC	S ALLOTTED /WEEK: 04 PERIODS			
SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Tool Materials	4		
1	Composition of various tool materials	2	JANUARY	Dt.16.01.24, 18.01.24
	Physical properties& uses of such tool materials	2		D1.20.01.24, 22.01.24
	Cutting Tools	6		,
	Cutting action of various and tools such as Chisel, hacksaw blade, dies and reamer	2		ひと、25.01.54、24.01.54
2	Turning tool geometry and purpose of tool angle	2		Dt-29.01.24, 30.01.24
	Machining process parameters (Speed, feed and depth of cut)	1	FEBRUARY	D+·01·02·24
	Coolants and lubricants in machining and purpose	1		Dr 03.02.24
	Lathe Machine	8		
3	Construction and working of lathe and CNC lathe: Major components of a lathe and their function, Operations carried out in a lathe(Turning, thread cutting, taper turning, internal machining, parting off, facing, knurling), Safety measures during machining	3		Dr. 05.02.24, 06.02.24 08.02.24
J	Capstan lathe: Difference with respect to engine lathe, Major components and their function, Define multiple tool holders	2		Dt. 10.02.24, 12.02.24
	Turret Lathe : Difference with respect to capstan lathe, Major components and their function	1		Dt · 13 · 02 · 24
	Draw the tooling layout for preparation of a hexagonal bolt & bush	2		D+·15·02·24, 17·02·24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE C	COURSES MADE
	Shaper	6			
	Potential application areas of a shaper machine	1		Dt.19.02.24	
	Major components and their function	1		D+:20.02.24	
4	Explain the automatic able feed mechanism	1		D+. 22.02.24	
	Explain the construction &working of tool head	1		D+. 24.02.24	
	Explain the quick return mechanism through sketch	1		D1. 26.02.24	
	State the specification of a shaping machine.	1		Dt. 27. 02.24	
	Planning Machine	6			
	Application area of a planer and its difference with respect to shaper	1		D+. 29. 02.24	
5	Major components and their functions	1	MARCH	D+ · 02 · 03 · 24	
	The table drive mechanism	2		Dr. 04. 03 - 24	
	Working of tool and tool support	1		Dt. 03 · EU · FU · FO	
	Clamping of work through sketch	1		D1.09.03.24	
	Milling Machine	8			
	Types of milling machine and operations performed by them and also same for CNC milling machine	1		Dt.11.03. 24	
6	Explain work holding attachment	2		D+. 12. 03.24, 14.03	.24
•	Construction & working of simple dividing head, universal dividing head	2		101.16.03.24,18.0	3.24
	Procedure of simple and compound indexing	2		D+.19.03.24	
	Illustration of different indexing methods	1		D+ · 21 · 03 · 24	

SI. ³ No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Slotter	6		
7	Major components and their function	2		D+. 23.03.24, 28.03.24
	Construction and working of slotter machine	2		D+30.03.24
	Tools used in slotter	2	APRIL	
	Grinding	6	1111/24	:DF · 02 · 04 · 24
	Significance of grinding operations	1		Dt. 04. 04. 24
	Manufacturing of grinding wheels	1		
8	Criteria for selecting of grinding wheels	2		Dt. 06.04.24
	Specification of grinding wheels with example Working of: Cylindrical Grinder, Surface Grinder, Centreless Grinder	2		D+·08·04·24 D+·09·04·24
	Internal Machining operations	6		
9	Classification of drilling machines: Working of a)Bench drilling machine b) Pillar drilling machinec)Radial drilling machine	2		DF. 13.04.24 DF. 15.04.24
	BoringBasic: Principle of Boring, Different between Boring and drilling	2		D+.16.04.24
	Broaching: Types of Broaching(pull type, push type)Advantages of Broaching and applications	2		Dt.18.04.24
	Surface Finish, Lapping	4		
10	Definition of Surface finish	2		Dt. 20. 04.24
	Description of lapping& explain their specific cutting	2		DF.53.04.54 32.04.54

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Engineering & Technology
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0	F.C.I.	E.T., CHHENDIPADA	A, DIST- ANGUI	
	BRANCH:-MECHANICAL ENGINEERING SEM SECTION: MA	SSON PLAN FOR THE ESTER: 4TH	NAME OF THE	023 - 24 FACULTY : (1) ER. KAMALAKANTA TRIPATHY, I RANJAN SAHU (LECT. IN MECH. ENGG.)
	ESTER FROM: 16.01.2024 to 26.04.2024 SS ALLOTTED /WEEK: 04 PERIODS			SUBJECT: FLUID MECHANICS (TH-3)
SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Properties of Fluid	8		
	1.1Define fluid	3	JANUARY	Dt. 16.01. 24, 18.01. 24, 19.01.20
1	1.2 Description of fluid properties like Density, Specific weight, specific gravity, specific volume and solve simple problems.	3		Dt. 22.01.24, 25.01.24,
	1.3 Definitions and Units of Dynamic viscosity, kinematic viscosity, surface tension Capillary phenomenon	2		D1.29.01.24, 30.01.24
	Fluid Pressure and its Measurements	8		
	2.1 Definitions and units of fluid pressure, pressure intensity and pressure head.	1	FEBRUARY	Dt. 01.02.24, 02.02.24
	2.2 Statement of Pascal's Law.	1		Dt. 05. 02.24
2	2.3 Concept of atmospheric pressure, gauge pressure, vacuum pressure and absolute pressure	2		Dt. 06, 02, 24, 08, 02, 24
	2.4 Pressure measuring instruments	1		D1 · 09 · 02 · 24
	Manometers (Simple and Differential)			
	2.4.1 Bourdon tube pressure gauge(Simple Numerical)	2		Dt. 19. 09. 24
	2.5 Solve simple problems on Manometer.	1		D+. 13.02.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Hydrostatics	8		
	3.1 Definition of hydrostatic pressure	1		Dt.15.02.24
•	3.2 Toţal pressure and centre of pressure on immersed bodies(Horizontal and Vertical Bodies)	2		Dt.16.02.24, 19.02.24
3	3.3 Solve Simple problems.	2		Dt. 20:02.24,
	3.4 Archimedes 'principle, concept of buoyancy, meta center and meta centric height (Definition only)	2		DF.22.02.24
	3.5 Concept of floatation	1		D1.23.02.24,
	Kinematics of Flow	8		21 20 42 54)
	4.1 Types of fluid flow	2		Dt. 26.02.24, 27.02.24
	4.2 Continuity equation(Statement and proof for one dimensional flow)	2		Dt. 29.02. 24
4.	4.3 Bernoulli's theorem(Statement and proof)	2	MARCH.	Dt. 01. 03. 24
	Applications and limitations of Bernoulli's theorem (Venturimeter, pitot tube)		110111	
	4.4 Solve simple problems	2		Dr 04.03.24, 07.03.24
	Orifices, Notches & Weirs	8		, , , ,
	5.1 Define orifice	1		Dr. 11.03.24
	5.2 Flow through orifice	1		
5	5.3Orifices coefficient & the relation between the orifice coefficients	2		Dr. 14.03.24 Dr. 14.03.24, 15.03.24
	5.4 Classifications of notches & weirs	1		
	5.5 Discharge over a rectangular notch or weir	1		Dt. 18.03.24.
	5.6 Discharge over a triangular notch or weir	1		
	5.7 Simple problems on above	1		Dt. 22.03.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Flow Through Pipe	10		
	6. Definition of pipe.	1	1	Dt. 28.03.24
	6.2 Loss of energy in pipes.	2	APRIL	Dt. 02.04.24, 04.04.24
6	6.3 Head loss due to friction: Darcy's and Chezy's formula (Expression only)	2		Dt. 05. 04.24, 08.04.24
	6.≛ Solve Problems using Darcy's and Chezy's formula.	3		Dt. 09.04.24, 12.04.24
	6.5 Hydraulic gradient and total gradient line	2		Dt. 16.0 4.24
	7.3 Impact of Jets	10		
	7.1 Impact of jet on fixed and moving vertical flat plates	4		Dt. 16.04.24, 18.04.24
7	7.2 Derivation of work done on series of vanes and condition for maximum efficiency.	3		Dt.19.04.24, 22.04.24
	7.3 Impact of jet on moving curved vanes, illustration using velocity triangles, derivation of work done, efficiency.	3		21.25.04.24, 26.04.24

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	THEORY L	I.E.T., CHHENDIPADA, D ESSON PLAN FOR THE	SESSION 2022	2.4
	BRANCH:-MECHANICAL ENGINEERING SECTION:- MA	EMESTER: 4TH	NAME OF THE	FACULTY: (1) ER. SATYANARAYAN MAJHI, RANJAN BEHERA (LECT. IN MECH. ENGG.)
	STER FROM: 16.01.2024 to 26.04.2024 S ALLOTTED /WEEK: 04 PERIODS	THEC	ORY SUBJECT:	THERMAL ENGINEERING - II (TH-4)
SI. No.		NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Performance of I.C Engine	8		
1	1.1 Define mechanical efficiency, Indicated thermal efficiency, Relative Efficiency, brake thermal efficiency overall efficiency, Mean effective pressure & specific fuel consumption.	3	JANUARY	D1.16.01.24, 18.01.24, 19.01.24
	1.2 Define air-fuel ratio & calorific value of fuel.	2		Dt. 22.01.24, 25.01.24,
	1.3 Work out problems to determine efficiencies & specific fuel consumption.	3		Dr. 29.01.24, 30.01.24
	Air Compressor	12		
	2.1 Explain functions of compressor & industrial use of compressor air	2	FEBRUARY	Dr. 01.02.24, 02.02.24
	2.2 Classify air compressor & principle of operation.	2		124.05.02.24, 06.02.24
2	2.3 Describe the parts and working principle of reciprocating Air compressor.	2		101.08.02.24, 09.02.24
	2.4 Explain the terminology of reciprocating compressor such as bore, stroke, pressure ratio free air delivered &Volumetric efficiency.	2		Dr. 12.02, 24, 13.02,24
	2.5 Derive the work done of single stage & two stage compressor with and without clearance.	2		Dr 15'02, 24. 16.02,24
	2.6 Solve simple problems (without clearance only)	2		Dt. 19.02.24.
3	Properties of Steam	12		
	3.1 Difference between gas & vapours.	1		Dt. 20.02.24
	3.2 Formation of steam.	2		Dr. 22.02.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	3.3 Representation on P-V, T-S, H-S, & T-H diagram.	2		D1.23.02.24
	3.4 Definition & Properties of Steam.	1	and the second	Dt. 26.02.24
	3.5 Use of steam table & mollier chart for finding unknown properties.	3		Dt. 27.02.24, 29.02.24
	3.6 Non flow & flow process of vapour.	1	MARCH	DF. M. D2. D14
	3.7 P-V, T-S & H-S, diagram.	1.	TITICH	Dt. 01. 03. 24
	3.8 Determine the changes in properties & solve simple numerical.	1		Dt. 04. 02. 24
	Steam Generator	12		
	4.1 Classification & types of Boiler.	2		Dt. 11.03.24
	4.2 Important terms for Boiler.	2		Dt · 12 · 03 · 24
4	4.3 Comparison between fire tube & Water tube Boiler.	2		Dt. 14. 03. 24
	4.4 Description & working of common boilers (Cochran, Lancashire, Babcock & Wilcox Boiler)	2		DH-15.03.24
	4.5 Boiler Draught (Forced, induced & balanced)	2		DF. 18. '03. 24, 19.02.24
	4.6 Boiler mountings & accessories.	2		Dr. 22.03. 24, 22.03.24
	Steam Power Cycles	8		
	5.1 Carnot cycle with vapour.	1		Dt. 28. 03. 24
5	5.2 Derive work & efficiency of the cycle.	1	APRIL	Dt. 02.04.24
5	5.3 Rankine cycle.	1	1.	Dt. 04. 04. 24
	5.3.1 Representation in P-V, T-S & h-s diagram.	1		Dt · 05 · 04 · 24
	5.3.2 Derive Work & Efficiency.	1		Dr. 08. 04.54

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	5.3.3 Effect of Various end conditions in Rankine cycle.	1		Dt. 07.04.24
	5.3.4 Reheat cycle & regenerative Cycle.	1		Dr. 12.04.24
	5.4 Solve simple numerical on Carnot vapour Cycle & Rankine Cycle.	1		Dt. 15.04.24
	Heat Transfer	8	the second second	
	6.1 Modes of Heat Transfer (Conduction, Convection, Radiation).	2		Dt. 16.04.24
E	6.2 Fourier law of heat conduction and thermal ccnductivity (k).	2		DF.18.04.24
·	6.3 Newton's laws of cooling.	1		127 10 211 211
	6.4 Radiation heat transfer (Stefan, Boltzmann & Kirchhoff's law) only statement, no derivation & no numerical problem.	1		101.22.04.24
	6.5 Black body Radiation, Definition of Emissivity, absorptivity, & transmissibility.	2		pt. 25.04.24, 26.04.24

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

P.C.I.E.T., CHHENDIPADA, DIST- ANGUL THEORY LESSON PLAN FOR THE SESSION 2023 - 24 NAME OF THE FACULTY: (1) ER. TARANISEN MOHANTY (H.O.D., **BRANCH:-MECHANICAL ENGINEERING** SEMESTER: 4TH MECH. ENGG.), (2) ER. HIMANSU SEKHAR SAMAL (LECT. IN SECTION: MB MECH. ENGG.) SEMESTER FROM: 16.01.2024 to 26.04.2024 THEORY SUBJECT: THEORY OF MACHINES (TH-1) CLASS ALLOTTED /WEEK: 04 PERIODS NO OF PERIODS AS SI. **CHAPTERS TO BE COVERED** PER ACADEMIC MONTH **ACTUAL PROGRESS OF THE COURSES MADE** No. **CALENDAR** Simple Mechanism 8 1.1 Link ,kinematic chain, mechanism, machine JANUARY Dt. 16.01.24, 17.01.24 2 1.2 Inversion, four bar link mechanism and its Dt. 18.01, 24, 22.01.24 2 inversion Dr. 24.01.24, 25.01.24 1.3 Lower pair and higher pair 2 Dt. 29-01.24, 30.01.24 1.4 Cam and followers 2 31.01.24 Friction 12 2.1 Friction between nut and screw for square FEBRUARY D+. 01.02.24, 05.02 24 2 thread, screw jack

2.2 Bearing and its classification, Description of Dt. 06.62.24, 07.02. 24 2 roller, needle roller& ball bearings. 2.3 Torque transmission in flat pivot& conical pivot Dt. 08. 02.24, 12.02.24 2 2 bearings. DF. 13. 02.24, 15.02. 24 2.4 Flat collar bearing of single and multiple types. 2 2.5 Torque transmission for single and multiple Dr. 19.02.24, 20.02.24 2 clutches 2.6 Working of simple frictional brakes. Dt. 21.02, 24 22.02.24 2

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Power Transmission	12		
	3.1 Concept of power transmission	1		Dt. 26. 02.24
	3.2 Type of drives, belt, gear and chain drive.	1		Dr. 27.02.24
	3.3 Computation of velocity ratio, length of belts (open and cross)with and without slip.	2		Dr. 28.02.24, 29.02.24
	3.4 Ratio of belt tensions, centrifugal tension and initial tension.	1	MARCH	D+· 04·03·24
3	3.5 Power transmitted by the belt.	1		Dr. 06.03.24
3	3.6 Determine belt thickness and width for given permissible stress for open and crossed belt considering centrifugal tension.	2		Dt · 07 · 03 · 24 / 11· 03 · 24
	3.7 V-belts and V-belts pulleys.	1		Dt. 12.03.24
	3.8 Concept of crowning of pulleys.	1		Dr. 13.03.24
	3.9 Gear drives and its terminology.	1		Dr. 14.03.24,
	3.10 Gear trains, working principle of simple, compound, reverted and epicyclic gear trains.	1		DI 18·03· 24
	Governors and Flywheel	8		
	4.1 Function of governor	1		Dr. 19.03.24
	4.2 Classification of governor	1		Dr. 20.03.24
	4.3 Working of Watt, Porter, Proel and Hartnell governors.	2	e Pro-	Dr. 21. 03. 24, 27. 03. 24
4	4.4 Conceptual explanation of sensitivity, stability and isochronisms.	1		Dr. 28.03.24
	4.5 Function of flywheel.	1	APRIL	DF. 02. 04. 24
	4.6 Comparison between flywheel &governor.	1		Dr. 03. 04. 24
	4.7 Fluctuation of energy and coefficient of fluctuation of speed.	1		Dt. 04. 04. 24

SI. ³ No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Balancing of Machine	8		
	5.1 Concept of static and dynamic balancing.	1		Dt. 08.64.24
	5.2 Static balancing of rotating parts.	1		Dt. 69. 04. 24
5	5.3 Principles of balancing of reciprocating parts.	2		Dt. 10.04. 24, 15.04.24
	5.4 Causes and effect of unbalance.	2		Dr. 16.04.24, 18.04.24
	5.5 Difference between static and dynamic balancing	2		Dr. 22.04.24, 24.04.24
	Vibration of Machine Parts	8		
	6.1 Introduction to Vibration and related terms Amplitude, time period and frequency, cycle)	2		Dr. 25.04.24,
6	6.2 Classification of vibration.	1		21.15.00
0	6.3 Basic concept of natural, forced & damped vibration	2		Dt. 25.02.24
	6.4 Torsional and Longitudinal vibration.	2		Dt. 20-02-54
	6.5 Causes & remedies of vibration.	1.		47, 77,07,50

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	THEORY LE	SSON PLAN FOR TH	E SESSION 20	23 - 24
	BRANCH:-MECHANICAL ENGINEERING SEM SECTION:- MB	IESTER: 4TH	NAME OF THE F	ACULTY: (1) ER. SUBHASMITA JENA, (2) ER. DEWAN 3) ER. ABINASH SAHOO (LECT. IN MECH. ENGG.)
SEME	STER FROM: 16.01.2024 to 26.04.2024	THEOR		ANUFACTURING TECHNOLOGY (TH-2)
CLAS	SS ALLOTTED /WEEK: 04 PERIODS			
SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Tool Materials	4		
1	Composition of various tool materials	2	JANUARY	Dt.16.61.24, 17.01.24
1	Physical properties& uses of such tool materials	2		D+19.01.24
	Cutting Tools	6		
	Cutting action of various and tools such as Chisel, hacksaw blade, dies and reamer	2		D+. 22. 01.24, 24. 01.24
2	Turning tool geometry and purpose of tool angle	2		D1.29.01.24, 30.01.24
	Machining process parameters (Speed, feed and depth of cut)	1		101.31.01.24
	Coolants and lubricants in machining and purpose	1	FEBRUARY	Dt. 02. 02.24
	Lathe Machine	8	1	
3	Construction and working of lathe and CNC lathe: Major components of a lathe and their function, Operations carried out in a lathe(Turning, thread cutting, taper turning, internal machining, parting off, facing, knurling), Safety measures during machining	3		Dt.05.02.24, 66.02.24
J	Capstan lathe: Difference with respect to engine lathe, Major components and their function, Define multiple tool holders	2		DH . 07 . 02 . 24, 09 . 02 . 24
	Turret Lathe: Difference with respect to capstan lathe, Major components and their function	1		Dt. 12. 02.24
	Draw the tooling layout for preparation of a hexagonal bolt & bush	2		D+13.02.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE	COURSES MADE
	Shaper	6			
	Potential application areas of a shaper machine	1		10+.16.02.24	
	Major components and their function	1		Dr. 19.02.24	
4	Explain the automatic able feed mechanism	1		Dt. 20, 02.24	
	Explain the construction &working of tool head	1		104.21.02.24	
	Explain the quick return mechanism through sketch	1		101. 23. 02.24	
	State the specification of a shaping machine.	1		124.26.02.24	
	Planning Machine	6			
	Application area of a planer and its difference with respect to shaper	1		DF. 27.02, 24	
5	Major components and their functions	1		Dr. 28. 02, 24	
	The table drive mechanism	2	MARCH	Dt. 01.03.24, 04.63.	D.M.
	Working of tool and tool support	1		Dt. 06, 02, 24	4.]
	Clamping of work through sketch	1		Dr. 11.03-24	
	Milling Machine	8		3, 11 03 29	
	Types of milling machine and operations performed by them and also same for CNC milling machine	1		Dt. 15.03.5H	
6	Explain work holding attachment	2		D+12.03.24, 15.03.	24
J	Construction & working of simple dividing head, universal dividing head	2		D+·18· 03·24, 19·03.	
	Procedure of simple and compound indexing	2		Dt · 20 · 03 · 24	
	Illustration of different indexing methods	1		Dt. 22.03.24	

J. A.

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
7	Slotter	6		
	Major components and their function	2		D+· 27·03· 24
	Construction and working of slotter machine	2	APRIL.	Dt. 02. 04.24
	Tools used in slotter	2	1,	NOT THE REPORT OF THE PROPERTY
	Grinding	6		Dt. 03.04.24
	Significance of grinding operations	1		Dt. 05.64. 24
8	Manufacturing of grinding wheels	1		Dt. 08. 04. 24
Ö	Criteria for selecting of grinding wheels	2		Dt. 09. 04. 24
	Specification of grinding wheels with example Working of: Cylindrical Grinder, Surface Grinder, Centreless Grinder	2		٥٠٠١٥٠ ٥٤٠ ٤٤١ ١٦٠٥٤٠٤٤
	Internal Machining operations	6		
9	Classification of drilling machines: Working of a)Bench drilling machine b) Pillar drilling machinec)Radial drilling machine	2		DF.15.04.24, 16.04.24
	BoringBasic: Principle of Boring, Different between Boring and drilling	2		Dt.19.04.24, 22.04.24
	Broaching: Types of Broaching(pull type, push type)Advantages of Broaching and applications	2		Dr. 24.04.24
	Surface Finish, Lapping	4		
10	Definition of Surface finish	2		Dt - 26 · 04 · 24
	Description of lapping& explain their specific cutting	2		-1 20 0 1 24

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- 2	P.C.I.	E.T., CHHENDIPADA	A, DIST- ANGU		
	THEORY LE	SSON PLAN FOR TI	HE SESSION 2	023 - 24	
	BRANCH:-MECHANICAL ENGINEERING SEM SECTION: MB	ESTER: 4TH	NAME OF THE	FACULTY : (1) ER. KAMALAKANTA 1 I RANJAN SAHU (LECT. IN MECH. EN	TRIPATHY,
EM	ESTER FROM: 16.01.2024 to 26.04.2024		THEORY	SUBJECT: FLUID MECHANICS (TH-	3)
LA	S ALLOTTED /WEEK: 04 PERIODS				
SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE CO	URSES MAD
	Properties of Fluid	8			
	1.1Define fluid	3	JAHUARY	Dt. 16.01.24, 17.01.24	
1	1.2 Description of fluid properties like Density, Specific weight, specific gravity, specific volume and solve simple problems.	3		Dt. 20.01.24, 22.01.24	
	1.3 Definitions and Units of Dynamic viscosity, kir ematic viscosity, surface tension Capillary chenomenon	2		Dt. 24.01. 24, 27.01.21	1
	Fluid Pressure and its Measurements	8			
	2. Definitions and units of fluid pressure, pressure intensity and pressure head.	1		51.29.01.24,	
	2.2 Statement of Pascal's Law.	1		Dt. 30.01. 24	
2	2.3 Concept of atmospheric pressure, gauge pressure, vacuum pressure and absolute pressure	2		Dt. 31. 01.24	
	2.4 Pressure measuring instruments	1	FEBRUARY	Dt. 03.02.24	
	Manometers (Simple and Differential)		3000		
	24.1 Bourdon tube pressure gauge(Simple Lumerical)	2		Dt. 05. 02. 24, 06.02.	24
	2.5 Solve simple problems on Manometer.	1		Dt.07.02.24	

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Hydrostatics	8		
	3.1 Definition of hydrostatic pressure	1	7	D1.10.02.24
	3.2 Total pressure and centre of pressure on immersed bodies(Horizontal and Vertical Bodies)	2		D1.12.02.24, 13.02.24
3	3.3 Solve Simple problems.	2		D1.17.02.24
	3.4 Archimedes 'principle, concept of buoyancy, meta center and meta centric height (Definition only)	2		Dr. 19.02.24, 20.02.24
	3.5 Concept of floatation	1		10+. 21.02.24
	Kinematics of Flow	8		
	4.1 Types of fluid flow	2		Dt. 24.02.24, 26.02.24
	4.2 Continuity equation(Statement and proof for one dimensional flow)	2		Dt. 27.02. 24
4	4.3 Bernoulli's theorem(Statement and proof)	2		Dr. 28.02.24
	Applications and limitations of Bernoulli's theorem (Venturimeter, pitot tube)			
	4.4 Solve simple problems	2	MARCH	Dt. 02.03.2M
	Orifices, Notches & Weirs	8		
	5.1 Define orifice	1		Dt. 04. 03. 24
	5.2 Flow through orifice	1		10+.06,03.24
5	5.3Orifices coefficient & the relation between the orifice coefficients	2		D+. 09. 03. 24
	5.4 Classifications of notches & weirs	1		Dt. 11. 03. 24
	5.5 Discharge over a rectangular notch or weir	1		D1. 13. 03. 24
	5.6 Discharge over a triangular notch or weir	1		Dt. 16.03.24
	5.7 Simple problems on above	1		Dt.18.03.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Flow Through Pipe	10		
	6.1 Definition of pipe.	1		Dt.19.02.24
	6.2 Loss of energy in pipes.	2		Dt. 20. 03.24
6	6.3 Head loss due to friction: Darcy's and Chezy's formula (Expression only)	2		Dt. 53. 03.54
	6.4 Solve Problems using Darcy's and Chezy's formula.	3		Dt.27.03.24, 30.03.24
	6.5 Hydraulic gradient and total gradient line	2	APRIL	101.02.04.24, 03.04.24
	7.0 Impact of Jets	10		
	7.1 Impact of jet on fixed and moving vertical flat plates	4		Dt. 06. 04.24, 08.04.24, 09.04.24
7	7.2 Derivation of work done on series of vanes and condition for maximum efficiency.	3		127.10.04.24, 13.04.24, 15.04.24
	7.3 Impact of jet on moving curved vanes, illustration using velocity triangles, derivation of work done, efficiency.	3		Dt.16, 04.24, 20.04.24, 22.04.24, 26.04.24

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THEORY LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGINEERING SECTION:- MB

SEMESTER: 4TH

NAME OF THE FACULTY: (1) ER. SATYANARAYAN MAJHI, (2) ER. MANAS RANJAN BEHERA (LECT. IN MECH. ENGG.)

SEMESTER FROM: 16.01.2024 to 26.04.2024

THEORY SUBJECT: THERMAL ENGINEERING - II (TH-4)

CLASS ALLOTTED /WEEK: 04 PERIODS

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	Performance of I.C Engine	8		
1	1.1 Define mechanical efficiency, Indicated thermal efficiency, Relative Efficiency, brake thermal efficiency overall efficiency, Mean effective pressure & specific fuel consumption.	3	JANUARY	18.01.24
	1.2 Define air-fuel ratio & calorific value of fuel.	2		Dr. 22.01. 24, 24.01.21
	1.3 Work out problems to determine efficiencies & specific fuel consumption.	3		Dr. 25.01.24, 29.01.24
	Air Compressor	12		
	2.1 Explain functions of compressor & industrial use of compressor air	2		17+.30.01.24, 31.01.24
	2.2 Classify air compressor & principle of operation.	2	FEBRUARY	Dt. 01.02.24
2	2.3 Describe the parts and working principle of reciprocating Air compressor.	2		D+.05.02.24
	2.4 Explain the terminology of reciprocating compressor such as bore, stroke, pressure ratio free air delivered &Volumetric efficiency.	2		Dt. 06.02.24.
	2.5 Derive the work done of single stage & two stage compressor with and without clearance.	2		Dt · 08 · 02 · 24
	2.6 Solve simple problems (without clearance only)	2		Dt. 12.02.24
3	Properties of Steam	12		
	3.1 Difference between gas & vapours.	1		Dt. 13, 02, 24
	3.2 Formation of steam.	2		Dt. 15.02.24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	3.3 Representation on P-V, T-S, H-S, & T-H diagram.	2		D-15.02.24
	3.4 Definition & Properties of Steam.	1		1)+19,02.24
	3.5 Use of steam table & mollier chart for finding unknown properties.	3		Dr. 20. 02. 24, 21. 02. 24
	3.6 Non flow & flow process of vapour.	1		101.22.02.24
	3.7 P-V, T-S & H-S, diagram.	1		D1. 26.02.24
	3.8 Determine the changes in properties & solve simple numerical.	1		Dt. 27.02, 24
	Steam Generator	12		
	4.1 Classification & types of Boiler.	2		Dt.28.02.24, 29.02.24
	4.2 Important terms for Boiler.	2	MARCH.	D1-04.03.24, 06.03.24
4	4.3 Comparison between fire tube & Water tube Boiler.	2		Dt. 07.03.24
	4.4 Description & working of common boilers (Cochran, Lancashire, Babcock & Wilcox Boiler)	2		124.11.03.24, 12.03.24
	4.5 Boiler Draught (Forced, induced & balanced)	2	DE	D1-13.03.24, 14.02.24
	4.6 Boiler mountings & accessories.	2		Dt. 18.03. 24, 19.03.24
	Steam Power Cycles	8		
	5.1 Carnot cycle with vapour.	1		Dt · 20 · 03 24
5	5.2 Derive work & efficiency of the cycle.	1		Dr. 21.03.24
ð	5.3 Rankine cycle.	1		Dr 27.03.24
	5.3.1 Representation in P-V, T-S & h-s diagram.	1		Dt · 28 · 03 · 24
	5.3.2 Derive Work & Efficiency.	1	APRIL	Dr. 02, 04, 24

SI. No.	CHAPTERS TO BE COVERED	NO OF PERIODS AS PER ACADEMIC CALENDAR	MONTH	ACTUAL PROGRESS OF THE COURSES MADE
	5.3.3 Effect of Various end conditions in Rankine cycle.	1		Dt. 03.04.24
	5.3.4 Reheat cycle & regenerative Cycle.	1		Dr. 04.04.24
	5.4 Solve simple numerical on Carnot vapour Cycle & Rankine Cycle.	1		Dt. 08. 04. 24
	Heat Transfer	8		
	6.1 Modes of Heat Transfer (Conduction, Convection, Radiation).	2		01.09.04.24, 10.04.24
c	6.2 Fourier law of heat conduction and thermal conductivity (k).	2		D1 · 15 · 04 · 54
6	6.3 Newton's laws of cooling.	1		Dt. 16, 04.24
	6.4 Radiation heat transfer (Stefan, Boltzmann & Kirchhoff's law) only statement, no derivation & no numerical problem.	1		Dt. 18. 04. 24,
	6.5 Black body Radiation, Definition of Emissivity, absorptivity, & transmissibility.	2		51-22.04.24, 24.04.24, 25.04.24.

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MA1

NAME OF THE FACULTY : (1) ER. TARANISEN MOHANTY (H.O.D., MECH. ENGG.), (2) ER. PRADEEP KUMAR SAHOO (T.A., MECH. ENGG.)

SE MESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

THEORY OF MACHINES & MEASUREMENTS LAB (PR-1)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SL NAME OF THE PRACTICAL EXPERIMENT/J No. TO BE COVERED		MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES		
1	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).	JANUARY	02,	51.19.01.54, 22.01.54		
2	Study & demonstration of static balancing apparatus.		01	Dt. 29.01.24, Rev. Dr. 12.04.24		
3	Study & demonstration of journal bearing apparatus.	FEBRUARY	01	D+.02.02.24, Rev, 21.15.04.24		
4	Study of different types of Cam and followers		01	1) 1.05.02.24		
ξ	Study & demonstration of epicyclic gear train		02	Dt. 09.02.24, 12.02.24		
€	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.		02	Dt. 16.02.24, 19.02.24		
7	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer.		01	Dt. 23. 02. 24 Rev. At. 19.04.24		
٤	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.		01	D+ 26. 02. 24, Rev. At . 22.04.24		
ξ	Determine the thickness of ground MS plates using slip gauges	MARCH	05	Dt. 01. 03. 24, 04.03.24 11. 03. 24, 15.03.24,18 03.4		
10	Determination of angel of Machined surfaces of components using sin bar with slip gauges	APRIL,	03	Dr. 22.03.24,05.04.24,08.04.24		

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MA₁

NAME OF THE FACULTY : (1) ER. SUBHASMITA JENA, (2) ER. LAKIN KUMAR SAHOO, (3) ER. HIMANSU SEKHAR SAMAL (LECT. IN MECH. ENGG.), (4) ER. PRADEEP KUMAR SAHOO (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

MECHANICAL ENGINEERING LAB-II (PR-2)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of 2-S, 4-S petrol & diesel engine models	JANUARY	02	2+.16.01.24, 17.01.24
2	Determine the brake thermal efficiency of single cylinder petrol engine.		03	21.01.24, 30.01.24 31.01.24
3	Determine the brake thermal efficiency of single cylinder diesel engine.	FEBRUARY	03	At.06.02.24, 07.02.24 13.02.24
4	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test		03	At · 20 · 02 · 24, 21 · 02 · 24 27 · 02 · 24
5	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test	MARCH	04	At. 28.02.24, 06.03.24
6	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge		03	At-19.03.24, 20.03.24
7	Verification of Bernoulli's theorem	APRIL	02	27.03.24 26.02.04.24, 03.04.24
8	Determination of Cd from venturimeter		02	Dr. 09. 04.24, 10.04.24
9	Determination of Cc, Cv, Cd from orifice meter	1.	01	Df. 16.04.24
10	Determine of Darcy's coefficient from flow through pipe	¥ ,	01	Dt. 24.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MA1

NAME OF THE FACULTY: (1) ER. GOURI SANKAR PRADHAN, (2) ER. KAMALAKANTA TRIPATHY (LECT. IN MECH. ENGG), (3) MR. BHIMASEN ROUT, (4) MR. KRUSHNA CHANDRA SAHU (INSTRUCTOR)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

WORKSHOP PRACTICE-III (PR-3)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
(I)	MACHINING PRACTICES	JANUARY	OQ	At . 17. 01.24, 20.01.24
1	Job in evolving drilling, boring		03	21.01.24, 27.01.24
2	Internal/External threading on Turning jobs	FEBRUARY	03	AF. 03.01.24, 07.01.24
3	Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)		0,3	24.01.24, 21.01.24
4	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	MDRCH	04	06.03.24, 09.03.24
(II)	METAL MACHINING		05	20.03.24, 23.03.24, 24.02.2
5	Shaper- Preparation of V Block on CI or MS Blocks	APRIL.	ОЧ	06.04.24. 10.04.24,
6	Milling Machine- Preparation of Spur gear on CI or MS round		03	24.04.24, 20.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGINEERING

SEMESTER: 4TH

SECTION: - MA1

NAME OF THE FACULTY:- (1) ER. SAMIR PRASAD SAHU, (2) ER. RASABIHARI SAHU (LECT. IN MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: TECHNICALSEMINAR (PR-4)

CLASS ALLOTTED /WEEK-: 03 PERIODS

	S ALLOTTED /WEEK-: US PERIODS				
SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS MADE	OF THE COURSES DATES
01	Introduction about Technical Seminar	JANUARY	01	Dt. 19.01.24	
02.	Selection of Topic in the arrea of Mech	FEBRUARY	٥2.	Ar 02.02.24	, 09·02·24
03.	Preparation of power point presentator by the students.	þ	O2 ·	21. 16.02.24	· 23 02. 24
64.	freparation of seminer report by the students.	MARCH	03	Dr. 01.03.24, 16.03.24	15.03.24
05.	Seminar Presentations of all Student	APRIL	01.	Dr. 05.04.24	
06.	Submission of Seminan report for Evaluation.		03.	26.04.24	19.04.24
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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGG.

SEMESTER: 4TH

SECTION :MA1

NAME OF THE FACULTY : (1) ER. LAKIN KUMAR SAHOO, (2) ER. ABINASH SAHOO (LECT. IN MECH. ENGG.), (3) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS MADE	OF THE COURSES DATES
01.	Lebrary Study & Technical Quiz	JANUARY	02	25.01.24	
02	Seminar on Dutterrent Technical Topics.	FEBRUARY	02	Dt · 01 · 02 · 24,	08.02.24
оз	Seminar on Detherent Environment		03	29.02.24	22.02.24
04	Pensonality Development Class	MARCH	04	21.03.24	
05	Caltural Activities.	APRIL	03	25.04.24	
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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MA₂

NAME OF THE FACULTY: (1) ER. TARANISEN MOHANTY (H.O.D., MECH. ENGG.), (2) ER. HIMANSU SEKHAR SAMAL (LECT. IN MECH. ENGG.), (3) ER. PRADEEP KUMAR SAHOO, (4) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: THEORY OF MACHINES & MEASUREMENTS LAB (PR-1)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).	JANUARY	02.	Dt. 16.01. 24, 17.01.24
2	Study & demonstration of static balancing apparatus.		05	D+.24.01.24, 30.01.24
3	Study & demonstration of journal bearing apparatus.	FEBRUARY	03	Dt. 31.01.24, 06.02.24
4	Study of different types of Cam and followers	-	02	At. 13.02.24, 20.02.24
5	Study & demonstration of epicyclic gear train		02	Dr. 21.02.24, 27.02.24
6	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.	MARCH	03	21.02.24 06.03.24
7	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer.		0.3	20.03.24, 19.03.24
8	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.	APRIL.	0.3	Dt. 27. 03. 24, 02. 04. 24 03. 04. 24
9	Determine the thickness of ground MS plates using slip gauges		02	Dt. 09.04.24, 10.04.24
10	Determination of angel of Machined surfaces of components using sin bar with slip gauges		02	Dr. 16.04.24, 24.04.21

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MA2

NAME OF THE FACULTY : (1) ER. SUBHASMITA JENA, (2) ER. LAKIN KUMAR SAHOO (LECT. IN MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

MECHANICAL ENGINEERING LAB-II (PR-2)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of 2-S, 4-S petrol & diesel engine models	JANUARY	03	29.01.24
2	Determine the brake thermal efficiency of single cy inder petrol engine.	FEBRUARY	03	D1 · O2 · O2 · 24, 05 · O2 · 24 09 · O2 · 24
3	Determine the brake thermal efficiency of single cy inder diesel engine.		03	At 12.02.24, 16.02.24
4	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test		၀ဒ္ဓ	Dt. 53.02.24, 26.02.24
5	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test	MARCH	0.3	At. 04.03.24, 11.03.24 15.03.24
6	Study of pressure measuring devices (manometer, Bcurdon tube pressure gauge		02	Dt. 18.03.24 22.03.24
7	Verification of Bernoulli's theorem	APRIL	02	DF. 05.04.24, 08.04.24
8	Determination of Cd from venturimeter		02	DI · 12.04. 24, 15.04.24
9	Determination of Cc, Cv, Cd from orifice meter		02	At. 19.04.24, 22.04.24
	Determine of Darcy's coefficient from flow through pipe		01	At. 26.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MA2

NAME OF THE FACULTY: (1) ER. GOURI SANKAR PRADHAN, (2) ER. KAMALAKANTA TRIPATHY (LECT. IN MECH. ENGG),

(3) MR. EHIMASEN ROUT, (4) MR. KRUSHNA CHANDRA SAHU (INSTRUCTOR)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

WORKSHOP PRACTICE-III (PR-3)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
(I)	MACHINING PRACTICES			
1	Job in evolving drilling, boring	JANUARY	15	Dt. 27-01-24 Dt. 17-01-24, 20-01-24
2	Internal/External threading on Turning jobs			D1.07.02.24 10.02.24
3	Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)	CRBRUAR)	15	Dt. 14.02.24, 21.02.24
4	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	MARCH	15	Dt. 02.03.24, 06.03.24
(II)	METAL MACHINING			
5	Shaper- Preparation of V Block on CI or MS Blocks		15	D1.23.03,24, 20.03.24,
6	Milling Machine- Preparation of Spur gear on CI or MS round	APRIL	15	Dt- 03.04.24, 08.04.24 10.04.24,13.04.24, 20.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGINEERING

SEMESTER: 4TH

SECTION: - MA2

NAME OF THE FACULTY:- (1) ER.SAMIR PRASAD SAHU, (2) ER. RASABIHARI SAHU (LECT. IN MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: TECHNICALSEMINAR (PR-4)

CLASS ALLOTTED /WEEK-: 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS MADE	OF THE COURSES DATES
01	Introduction about Technical seminar	JANUARY	01	D+ . 19. 01. 2	1
02	selection of Topic in the area of mech Engl.	FEBRUARY	02	Dt. 02.02.24	
03	preparation of power point presentation by the students		02	D+ 10 10 211	23.02.24
04	preparation of seminar report by the students.	MARCH	03	Dt. 01: 03.24, 16.03.24	15,03.24
05	Seminar presentations of all	APRIL	01	Dt. 05.04.	24
20	submission of seminax report		03	D+ · 12·04·24 26,04.24	

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGG.

SEMESTER: 4TH

SECTION: MA2

NAME OF THE FACULTY : (1) ER. LAKIN KUMAR SAHOO, (2) ER. ABINASH SAHOO (LECT. IN MECH. ENGG.), (3) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS	OF THE COURSES DATES
01	Library Study & Technical Quiz	JANUARY	02	D4 · 18 · 01 · 24 25 · 01 · 24	
02	Seminax on Different Technical	FEBRUARY	02	D+· 01.02.24	, 08.02.24
03	Sentinar on Drifferent Environment issues	+	03	D+ · 15 · 02 · 24 29 · 02 · 24	, 22 . 02 . 24
٥٩	personality Development class	MARCH	04	DH · 07· 03.24,	14.03.24
05	cultural Activities	APRIL	03	D+ 04 04 24,	18.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MB₁

NAME OF THE FACULTY : (1) ER. ER. HIMANSU SEKHAR SAMAL (LECT. IN MECH. ENGG.), (2) ER. PRADEEP KUMAR SAHOO (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: THEORY OF MACHINES & MEASUREMENTS LAB (PR-1)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).	JANUARY	03	24.01.24 24.01.24
2	Study & demonstration of static balancing apparatus.	FEBRUARY	0.5	21.31.01.24, 02.02.24
3	Study & demonstration of journal bearing apparatus.		02	Al·07.02.24, 09.02.24
4	Study of different types of Cam and followers		02	Al· 16.02.24, 21.02.24
5	Study & demonstration of epicyclic gear train		02	Dt. 23.02.24, 28.02.24
6	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.	MARCH	03	At. 01.03.24, 06.03.24 13.03.24,
7	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer.		04	22.03.24, 21.03.24
8	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.	APRIL	03	27.03-04.24, 05.04.24 10.04.24,
9	Determine the thickness of ground MS plates using slip gauges		02	DJ. 12.04.24, 19.04.24
10	Determination of angel of Machined surfaces of components using sin bar with slip gauges		02	DL- 24.04.24, 26.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MB1

NAME OF THE FACULTY : (1) ER. SUBHASMITA JENA, (2) ER. DEWAN KUMAR SAHU, (3) ER. LAKIN KUMAR SAHOO, (4) ER. MANAS RANJAN BEHERA (LECT. IN MECH. ENGG.), (5) ER. PRADEEP KUMAR SAHOO (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

MECHANICAL ENGINEERING LAB-II (PR-2)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of 2-S, 4-S petrol & diesel engine models	JANUARY	03	25.01.24 19.01.24,
2	Determine the brake thermal efficiency of single cylinder petrol engine.	FEBRUARY	03	708.02.24, 02.02.24 . 08.02.24
3	Determine the brake thermal efficiency of single cylinder diesel engine.		03	16.02. 24, 15.02. 24
4	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test		0.3	At 22.02.24, 23.02.24 29.02.24
5	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test	MARCH	0.3	27.02.24, 07.03.24 14.03.24,
6	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge		03	27.03.24 22.03.24
7	Verification of Bernoulli's theorem	APRIL	02	DF · 28 · 03 · 24, 04 · 03 · 24
8	Determination of Cd from venturimeter		02	DI. 05. 01. 24, 12.04.24
9	Determination of Cc, Cv, Cd from orifice meter		02	At. 18.04.24, 19.04.24
10	Determine of Darcy's coefficient from flow through pipe		02	Df · 25 · 04 · 24, 26 · 04 · 24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MB1

NAME OF THE FACULTY: (1) ER. HIMANSU SEKHAR SAMAL, (2) ER. KAMALAKANTA TRIPATHY (LECT. IN MECH. ENGG.), (3) ER. GOBINDA BARIK (T.A., MECH. ENGG.), (4) MR. BHIMASEN ROUT, (5) MR. KRUSHNA CHANDRA SAHU (INSTRUCTOR)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: WORKSHOP PRACTICE-III (PR-3)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
(1)	MACHINING PRACTICES	JANUARY	02	Dt. 14.03.24, 22.03.24
1	Job in evolving drilling, boring		02	D+.29.03.24, 30.03.24
2	Internal/External threading on Turning jobs	FEBRUARY	04	12.02.24, 06.0 2.24
3	Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)		Оч	26,02,24,27.02,24
4	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	MARCH	04	21.03.24, 18.03.24 12.03.24, 18.03.24, 19.03.24
(II)	METAL MACHINING	APRIL	02	21.03.04.24, 08.04.24
5	Shaper- Preparation of V Block on CI or MS Blocks		02	Dt. 09.04.24, 15.04.24
6	Milling Machine- Preparation of Spur gear on CI or MS round		0.3	23.04.24, 22.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGINEERING

SEMESTER: 4TH

SECTION:- MB1

NAME OF THE FACULTY:- (1) ER. SAMIR PRASAD SAHU, (2) ER. RASABIHARI SAHU (LECT. IN MECH. ENGG.), (3) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: TECHNICALSEMINAR (PR-4)

CLASS ALLOTTED /WEEK-: 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE	ACTUAL PROGRESS MADE	OF THE COURSES
01	Introduction about Technical Seminar		CLASS DAYS	D1 · 18 · 01· 24	25.01.24
02	Selection of topic in the anea of Mech. Engg.	FEB.	02	Qt. 02. 02. 24,	•
03	Preparation of power point presentate by the Students.	,	03	At. 15. 02.24,	
04	Preparation of Seminar Report by the Students	MARCH.	оч	29.02.24 Dr. 07.03.24, 21.03.24,	14.03.24 28.03.24
05.	Seminar Presentation of all students.	APRIL	02	2+.04.04.24	
06	Submission of Seminar Report for Evaluatum		01	27.25.04.24	,
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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGG.

SEMESTER: 4TH

SECTION: MB1

NAME OF THE FACULTY : (1) ER. KAMALAKANTA TRIPATHY, (2) ER. BIKASH RANJAN SAHU (LECT. IN MECH. ENGG.), (3) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS MADE	OF THE COURSES
01.	Lebrary Study & Technical Quiz	JANUARY	01	27.18.01.24	
02	Seminan On different Technical Topics.	FEBRUARY	02	At. 02. 02.24,	09.02.24
03	Seminar on different Environment issues.		02.	DJ. 16.02.24	23.02.24
04.	Personality development Class	MARCH	03	22.03.24	15.03.24
05	Cultural Activities.	APRIL	04	21.05.04.24,	•

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MB₂

NAME OF THE FACULTY: (1) ER. TARANISEN MOHANTY (H.O.D., MECH. ENGG.), (2) ER. PRADEEP KUMAR SAHOO (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: THEORY OF MACHINES & MEASUREMENTS LAB (PR-1)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROG COURSE DAT	S MADE
1	Determination of centrifugal force of a governor (Hart Nell / Watt/Porter).	JANUARY	02.	Df. 18.01.24,	20.01.24
2	Study & demonstration of static balancing apparatus.		0,2	DJ. 25. 01. 24,	27.01.24
3	Study & demonstration of journal bearing apparatus.	FEBRUARY	0.3	D1.01.02.24, 08.02.24	03.02.24
4	Study of different types of Cam and followers		03		15.02.24
5	Study & demonstration of epicyclic gear train		0,2	DJ. 17.02.24,	22.02.24
6	Determination of the thickness of ground M.S flat to an accuracy of 0.02mm using Vernier Caliper.		02	DF. 24.02.24,	29.02.24
7	Determination of diameter of a cylindrical component to an accuracy of 0.01mm using micrometer.	MARCH	04	DF· 02·03·24,	07.03.24
8	Determine the heights of gauge blocks or parallel bars to accuracy of 0.02mm using Vernier height gauge.		04	23.03.24 ,	28·03·24
9	Determine the thickness of ground MS plates using slip gauges	APRIL	ОЧ	' /)4·04·24 12·04·24
10	Determination of angel of Machined surfaces of components using sin bar with slip gauges		0.3	1	20.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MB₂

NAME OF THE FACULTY : (1) ER. LAKIN KUMAR SAHOO, (2) ER. DEWAN KUMAR SAHU, (3) ER. SAMIR PRASAD SAHU, (4) ER. BIKASH RANJAN SAHU (LECT. IN MECH. ENGG.), (5) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT:

MECHANICAL ENGINEERING LAB-II (PR-2)

CLASS ALLOTTED /WEEK :- 06 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS OF THE COURSES MADE DATES
1	Study of 2-S, 4-S petrol & diesel engine models	JANUARY	03	24.01.24, 20.01.24 24.01.24
2	Determine the brake thermal efficiency of single cylinder petrol engine.		0.3	Dt. 27. 01. 24, 31. 01. 24 Dt. 03.02, 24
3	Determine the brake thermal efficiency of single cylinder diesel engine.	FEBRUARY	0.3	At.07.02.24, 10.02.24
4	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test		03	AF 21.02.24, 24.02.24
5	Determine the B.H.P, I.H.P BSFC of a multi cylinder engine by Morse test	MARCH	03	28.02.24 pl. 02.03.24, 06.03.24 09.03.24,
6	Study of pressure measuring devices (manometer, Bourdon tube pressure gauge		03	At. 13. 03.24, 16.03.24 20.03.24
7	Verification of Bernoulli's theorem		03	Dt. 23. 03. 24, 27.03.24
8	Determination of Cd from venturimeter	APRIL	02	DF 03.04.24, 06.04.24
9	Determination of Cc, Cv, Cd from orifice meter		02	Df. 10. 04. 24, 13.04.24
10	Determine of Darcy's coefficient from flow through pipe		02	At . 20.04. 24, 24.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGG.

SEMESTER: 4TH

SECTION:-

MB₂

NAME OF THE FACULTY: (1) ER. HIMANSU SEKHAR SAMAL, (2) ER. KAMALAKANTA TRIPATHY (LECT. IN MECH. ENGG.), (3) ER. GOBINDA BARIK (T.A., MECH. ENGG.), (4) MR. BHIMASEN ROUT, (5) MR. KRUSHNA CHANDRA SAHU (INSTRUCTOR)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: WORKSHOP PRACTICE-III (PR-3)

CLASS	ALLO	TTED	/WEEK:	- 06	PERIODS	S
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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
(I)	MACHINING PRACTICES	MARUNAT	02	At. 16:01.24, 22:01.24
1	Job in evolving drilling, boring		0.3	05.02.24, 30.01.24
2	Internal/External threading on Turning jobs	FEBRUARY	0.3	13.02.24, 12.02.24
3	Job in evolving use of Capstan and turret lathe (Taper Turning & Chamfering)		04	20.02.24, 19.02.24 20.02.24, 26.02.24
4	All gear lathe, CNC Lathe Trainer Practice Job involving all turning process on MS Rod & aluminum rod for jobs using CNC Lathe trainer.	MARCH	0.4	27.02.24, 04.03.24 11.03.24, 12.03.24
(II)	METAL MACHINING		02	21.18.03.24, 19.03.24
5	Shaper- Preparation of V Block on CI or MS Blocks	APRIL	03	09.04.24, 08.04.24
6	Milling Machine- Preparation of Spur gear on CI or MS round		04	22.04.24, 22.04.24

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:-MECHANICAL ENGINEERING

SEMESTER: 4TH

SECTION:- MB2

NAME OF THE FACULTY:- (1) ER. SAMIR PRASAD SAHU, (2) ER. RASABIHARI SAHU (LECT. IN MECH. ENGG.), (3) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: TECHNICALSEMINAR (PR-4)

CLASS ALLOTTED /WEEK-: 03 PERIODS

SI.	NAME OF THE PRACTICAL EXPERIMENT/JOBS	MONTH	AS PER ACADEMIC CALENDAR &	ACTUAL PROCESS	0.05 THE
No.	TO BE COVERED		TIME TABLE CLASS DAYS	ACTUAL PROGRESS MADE	OF THE COURSES DATES
01	Introduction about Technical	JAN		Dt . 18.01.24	25 01 011
	Sey s, Jong	041.7	02	Dt . 18.01.24 ,	25.01.24
02	selection of topic in the area of Mech. Engg.	FEB	02	24.02.02.24	, 08.02.24
03	preparation of power point presenteta by the students	9	03	D+. 15.02,24,	22.02.24
04	preparation of seminar report by the studente	MARCH	04	29.02.24 Dt.07.03.24	14.03.24
05	Semenax presentation of all students	APRIL	02	21.03.24°,	
06	Submission of sentinax report		01	D+ 25 · 04 · .	

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PRACTICAL LESSON PLAN FOR THE SESSION 2023 - 24

BRANCH:- MECHANICAL ENGG.

SEMESTER: 4TH

SECTION :- MB2

NAME OF THE FACULTY : (1) ER. KAMALAKANTA TRIPATHY, (2) ER. BIKASH RANJAN SAHU (LECT. IN MECH. ENGG.), (3) ER. BISHNU CHARANA BEHERA (T.A., MECH. ENGG.)

SEMESTER FROM DT. 16.01.2024 TO 26.04.2024

PRACTICAL SUBJECT: STUDENT CENTRED ACTIVITIES

CLASS ALLOTTED /WEEK :- 03 PERIODS

SI. No.	NAME OF THE PRACTICAL EXPERIMENT/JOBS TO BE COVERED	MONTH	AS PER ACADEMIC CALENDAR & TIME TABLE CLASS DAYS	ACTUAL PROGRESS MADE	OF THE COURSES DATES
01	Lebrasy Study & Technical Que'z	JANUARY	01	Dt. 18.01.5	24
02	Seminax on different Technic Topics	FEB	02	2+.02.02.24	, 09.02.24
03	seminar on different Environment issues.	,	02	D+ . 16.02.2	y , 23.02.2y
04	personality development class	MARCH	03	Dt · 01·03·2	
05	cultural Activities	APRIL	04	Dt · 05 . 04 . 2	
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