LESSON PLAN

Program Name	DIPLOMA (Comp.Engg.)
Course/Subject Name	Applied Physics-I
Course/Subject Code	BS103(Th) & BS107
Course/Subject Coordinator Name	Monika
Session :	August-Dec. 2025

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Applied physic-I & Applied Physics -1 Lab	3(Th)+1(DCS) +2(Pr.)	40	40	60	60

Reference books	(i)	Text Book of Physics for class XI & XII : N.C.E.R.T. Delhi
	(ii)	Concept of Physics by HC Verma ,Vol I & II ,Bharti Bhawan Ltd. New Delhi
	(iii)	Applied Physics, Vol. I and Vol. II, TTTI Publications, Tata McGraw Hill, Delhi
	(iv)	Engineering Physics by DK Bhattacharya & Poonam Tandan; Oxford University Press, New Delhi

Course Outcomes: After the completion of the course the student will be able to

CO1	Understand the importance of applied physics in describing physical phenomena.
CO2	Employ the knowledge of units and dimensions for various types of measurements.
CO3	Understand the importance of various types of errors while doing measurements.
CO4	Understand the basic forces present in the nature and their effects in daily life.
CO5	Understand energy, work, power and their importance.
CO6	Understand the basic phenomena like elasticity, surface tension, pressure etc.
CO7	Differentiate between heat and temperature and their measurements.

Teaching Plan:

Lecture No.	Name of topic	Actual date	Remarks
1	**Unit-1 Units & Dimensions** Physical quantities & Units - fundamental and derived units,		
2	systems of units (FPS, CGS and SI units)		
3	Dimensions and dimensional formulae of physical quantities (area, volume, velocity, acceleration, momentum, force, impulse, work, power, energy, surface tension, coefficient of viscosity, stress, strain, moment of inertia, gravitational constant.)		

Monika

4	Principle of homogeneity of dimensions, Dimensional equations and their applications,		
5	conversion from one system of units to other,		
6	checking of dimensional equations and derivation of simple equations)		
7	Limitations of dimensional analysis		
8	Error in measurement, absolute error, relative error, Error estimation & significant figures.		
9	**Unit-2 Force &motion** Scalar and vector quantities – examples, representation of vector, types of vectors		
10	Addition and Subtraction of Vectors, Triangle and Parallelogram law (Statement only),		
11	Scalar and Vector Product.		
12	Resolution of Vectors and its application to inclined plane(Rectangular components) & lawn roller		
13	Force, Momentum, Statement and Derivation of Conservation of linear momentum, its applications such as recoil of gun & rockets.		
14	Impulse and its Applications		
15	Circular motion, definition of angular displacement, angular velocity, angular acceleration, frequency, time period.		
16	Relation between linear and angular velocity, linear acceleration and angular acceleration (related numerical)		
17	Expression and Applications of Centripetal and centrifugal forces with examples such as banking of roads and bending of cyclist.		
18	**Unit-3 Work, Power & Energy** Work: and its units, examples of zero work, positive work and negative work		
19	Friction: modern concept, types, laws of limiting friction,		
20	Coefficient of friction, methods of reducing friction and its Engineering Applications		
21	Work done in moving an object on horizontal and inclined plane for rough and plane surfaces with its related applications.		
22	Energy and its units: Kinetic energy and gravitational potential energy with examples and their derivation		
23	Mechanical Energy ,Principle of conservation of mechanical energy for freely falling bodies, examples of transformation of energy(examples)		
24	Power and its units, Power and its work relationship calculation of power (numerical problems)		
25	**Unit-4 Rotational motion** Concept of translatory and rotatory motions with examples		
26	Definition of torque and angular momentum and their examples.		
27	Conservation of angular momentum (quantitative) and its		

	examples		
28	Moment of inertia and its physical significance, radius of gyration for rigid body,		
29	Theorems of parallel and perpendicular axes (statements only), Moment of inertia of rod, disc and ring, Sphere(hollow and solid) (Formulae only)		
30	**Unit-5 Properties of matter** Elasticity: definition of stress and strain, different types of moduli of elasticity,		
31	Hooke's law, significance of stress strain curve		
32	Pressure: definition, its units, atmospheric pressure,		
33	gauge pressure, absolute pressure, Fortin's barometer and its applications.		
34	Surface tension: concept and its units, cohesive and adhesive forces, angle of contact,		
35	Ascent Formula (No derivation), applications of surface tension,		
36	effect of temperature and impurity on surface tension		
37	**Unit-6 Thermometry** Concept of heat and temperature		
38	Modes of transfer of heat (Conduction, convection and radiation with examples)		
39	Different scales of temperature and their relationship		
40	Types of Thermometer (Mercury Thermometer, Bimetallic Thermometer)		
41	Platinum resistance thermometer and pyrometer and their uses.		
42	Expansion of solids, liquids and gases,		
43	coefficient of linear, surface and cubical expansions and relation amongst them,		
44	Concept of Co-efficient of thermal conductivity		

Assignments:

Assignment serial	Contents of syllabus covered	Actual date	Remarks
A-1	Units, dimensions ,force and motion		
A-2	Work, power, Energy and rotational motion		
A-3	Properties of matter and thermometry		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed Date	Actual date	Remarks
CT-I	30% of the syllabus	2nd Week of Sept .2025		
CT-II	Next 30% of the syllabus	3rd Week of Oct. 2025		
House Test	80% of the syllabus	2nd week of Nov. 2025		

Lab Plan(BS107):

Exp. No.	Name of experiment	Actual Date		Remarks
		G-I	G-II	
1	To measure length, radius of a given cylinder and a beaker using a vernier caliper and find the volume of each object.			
2	To determine the diameter of a wire,a solid ball amd thickness of cardboard using a screw gauge.			
3	To determine the radius of curvature of a convex and concave mirror using a spherometer.			
4	To verify the triangle and parallelogram law of forces.			
5	To determine force constant of spring using Hooke's law			
6	To verify the law of conservation of energy Mechanical Energy (PE & KE).			
7	To measure room temperature and temperature of a hot bath using mercury thermometer and convert it into different scales.			
8	To find the moment of inertia of fly wheel.			

Signature of Teacher

Signature of HOD

LESSON PLAN

ProgramName	Diploma (Auto Engg., Civil Engg.,Computer Engg.(Th))
Course/SubjectName	Applied Chemistry
Course/SubjectCode	BS105(Th)&BS109Applied Chemistry Lab
Course/SubjectCoordinatorName	Mrs. Puja Verma

Evaluation scheme

S.No.	Subject Name	Studyscheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Applied Chemistry +Applied Chemistry Lab	3(Th)+1(DCS) +2(Pr)	40	40	60	60

Reference books	(i)	Dr.Vairam, S.,Engineering Chemistry,Wiley India Pvt.Ltd.,New Delhi, 2013
	(ii)	Jain & Jain, Engineering Chemistry,Dhanpat Rai,NewDelhi,2015
	(iii)	Text Book Of Chemistry for Class XI & XII(Part-I,Part-II);NCERT.,Delhi,2017-18
	(iv)	Dr.G.Hugar & Prof. A.N.Pathak Applied Chemistry Laboratory Practices,NITTTR
	(v)	Agnihotri, Rajesh, Chemistry for Engineers, Wiley India Pvt.Ltd.,2014

Course Outcomes: After the completion of the course the student will be able to

CO1	Solve various engineering problems by applying the basic concepts of atomic structure, chemical bonding and solution.
CO2	Understand and solve various engineering problems using concept of electrochemistry and corrosion.
CO3	Understand to analyze engineering materials, their properties and applications.
CO4	Understand the suitability of water source and use relevant water treatment for domestic and industria application.
CO5	Use relevant fuel and lubricant for domestic and industrial application.
CO6	Understand and analyze various polymers and their application.

Teaching Plan:

Lecture No.	Name of topic	Actual date	Remarks
1	**Unit-1 Atomic Structure:** Fundamental particles(electron,proton,neutron), Bohr's theory, successes & limitatations		
2	Heisenberg uncertainty principle, Hydrogen spectrum		
3	Quantum numbers		
4	orbital concept, difference between orbit and orbital Shapes of s, p orbitals		
5	Pauli's exclusion principle, Hund's rule of maximum multiplicity Aufbau rule, electronic configuration(Z=1 to 30)		
6	**Unit-1Chemical Bonding and Solutions:** Concept of chemical bonding – cause of chemical bonding, types of bonds: ionic bonding (NaCl example) , Lewis concept of covalent bond (H2, F2, HF). Electronegativity,		
7	Difference between sigma and pie bond , Electron sea model of metallic bond, Idea of solute, solvent and solution		
8	**Unit-3 Electrochemistry and Corrosion:** Faradays laws of electrolysis and simple numerical problems		
9	Industrial application of Electrolysis – • Electrometallurgy		
10	• Electroplating		
11	• Electrolytic refining.		
12	Primary Application of redox reactions in electrochemical cells – dry cell, • Secondary cell - commercially used lead acid storage battery.		
13	Introduction to Corrosion of metals – definition, types of corrosion (electrochemical), H2 liberation and O2 absorption mechanism of electrochemical corrosion		
14	Internal corrosion preventive measures – Purification, alloying and heat treatment		
15	External corrosion preventive measures: metal (anodic, cathodic) coatings.		
16	**Unit-4 Engineering Materials:** Natural occurrence of metals – minerals, ores of iron, aluminium and copper, gangue (matrix), flux, slag.		
17	metallurgy – brief account of general principles of metallurgy(a).Crushing and grinding (b) Concentration of ore (Levigation)		
18	Froth flotation		
19	Magnetic separation		
20	(c) Extraction(Roasting and calcinations & smelting)		
21	(d) Refining (Electro refining, zone refining)		
22	Extraction of - iron from haematite ore using blast furnace along with reactions.		
23	Alloys – definition, purposes of alloying, ferrous alloys (Invar steel) and non-ferrous (Simple Brass & Bronze,		

24	Nichrome, Duralumin, Magnelium with suitable examples, properties and applications.		
25	**Unit-5 Water:** Classification of soft and hard water based on soap test, salts causing water hardness, Cause of poor lathering of soap in hard water		
26	units of hardness(mg/L and ppm), simple numerical on water hardness		
27	Problems caused by the use of hard water in boiler (scale and sludge, foaming and priming, corrosion.)		
28	water softening techniques- i) zeolite process		
29	ii). Municipal water treatment (in brief only) – sedimentation, coagulation, filtration, sterilization.		
30	Properties of water used for human consumption for drinking and cooking purposes from any water sources and Indian standard specification of drinking water		
31	**Unit-6 Fuels:** Definition of fuel and combustion of fuel, classification of fuels, Characteristics of good fuel		
32	calorific values (HCV and LCV), calculation of HCV and LCV using Dulong's formula		
33	Petrol and diesel - fuel rating (octane and cetane numbers), Chemical composition		
34	Calorific values and applications of LPG, CNG, water gas, producer gas and biogas.		
35	**Unit-7 Lubrication**: Function and characteristic properties of good lubricant		
36	classification with examples		
37	Lubrication mechanism: hydrodynamic and boundary lubrication		
38	Physical properties (viscosity and viscosity index, oiliness, flash and fire point, cloud and pour point		
39	Chemical properties (coke number, total acid number, saponification value) of lubricants.		
40	**Unit-8 Polymer** :Monomer, homo and co polymers , degree of polymerization, simple reactions involved in preparation and their application of thermoplastics and thermosetting plastics (using Polythene, PVC,		
41	PS,PTFE, nylon-6,6 and Bakelite ,		
42	Vulcanization of rubber and properties of vulcanised rubber		

Assignments:

Assignment serial	Contents of syllabus covered	Proposed	Actual date	Remarks
A-1	Atomic Structure, Chemical Bonding and Solutions.	4th week of August		
A-2	Electrochemistry and corrosion and Engineering Materials.	3rd week of September		
A-3	Water,Fuels ,Lubrication and Polymers	3rd week of October		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed date	Actual date	Remarks
CT-I	30% of the syllabus	2nd week of September		
CT-II	Next 30% of the syllabus	3rd Week of October		
House Test	80% of the syllabus	2nd Week of November		

LESSON PLAN FOR - EGNGINEERING GRAPHICS (SESSION :- AUG -DEC 2025)					
	COMPUTER ENGINEERING (SEMESTER - 1ST)				
S.NO.	MONTH	WEEK	DATE	DESCRIPTION OF PRACTICAL / JOB	REMARKS
1	AUG	1st	-	~~~	
		2nd	4,6	Draw horizontal, Vertical, 30 degrees, 45 degrees, 60 and 75 degrees lines, different types of lines, dimensioning styles using Tee and Set squares/drafter.	1 Sheet
		3rd	11,13	Write alphabets and numerical in 7:4 scale (Vertical only) (do this exercise in sketch book).	
		4th	18,20	Draw some problems on Engineering Plain and diagonal scale.	2 Sheets
		5th	25,27		
2	SEPT	1st	1,3	Draw some problems on orthographic projections using first angle method of projection having plain and slanting, cylindrical surfaces, ribs and slots.	3 Sheets
		2nd	8,10		1st Class Test
		3rd	15,17		
		4th	22,24	Draw some problems on Isometric view of simple objects having plain and slanting and cylindrical surface (e.g. Cube, Cone and cylinder etc.) by using natural scale.	2 Sheets
		5th	29		
3	OCT	1st	1		
		2nd	6,8	Draw free hand sketches/ conventional representation of machine elements in sketch book such as thread profiles, nuts, bolts, studs, set screws, washers, Locking arrangements.	2 Sheets
		3rd	13,15		2nd Class Test
		4th	22	Problem based Learning: Given the orthographic views of at least three objects with few missing lines, the student will try to imagine the corresponding objects, complete the views and draw these views in sketch book.	1 Sheet
		5th	27,29	Draw basic 2D entities like: Rectangle, Rhombus, Polygon using AutoCAD (Print out should be a part of progressive assessment). Draw basic 2D entities like: Circles, Arcs, circular using AutoCAD (Printout should be a part of progressive assessment).	1 Sheet
4	NOV	1st	-	~~~	
		2nd	3	House Test	
		3rd	10,12	Draw basic 2D entities like: Circular and rectangular array using AutoCAD (Printout should be a part of progressive assessment). Draw blocks of 2D entities comprises of Rectangle, Rhombus, Polygon,Circles, Arcs, circular and rectangular array, blocks using AutoCAD (Print out should be a part of progressive assessment)	1 Sheet
		4th	17,19	Draw basic branch specific components in 2D using AutoCAD (Print out should be a part of term work).	2 Sheet
		5th	24,26	Draw complex branch specific components in 2D using AutoCAD (Print should be a part of progressive assessment).	2 Sheet

Avinash Kumar
(Sr. Lecturer Mech. Engg.)

HOD (ME)

LESSON PLAN

Program Name	DIPLOMA (Comp. Engg.)
Course/Subject Name	Sports and Yoga
Course/Subject Code	HS103
Course/Subject Coordinator Name	Sushil Patial

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Sports & Yoga	2(Pr.)	--	40	---	60
Reference books			(i)	Modern Trends and Physical Education by Prof. Ajmer Singh.		
			(ii)	Light On Yoga By B.K.S. Iyengar.		
			(iii)	Health and Physical Education – NCERT (11th and 12th Classes).		

Teaching Plan:

Practical Hrs.	Name of topic	Actual date
1-2	Introduction to Physical Education:, Meaning & definition of Physical Education. Aims & Objectives of Physical Education. Changing trends in Physical Education. units, Olympic Movement o Ancient & Modern Olympics (Summer & Winter.) Olympic Symbols, Ideals, Objectives & Values. Awards and Honours in the field of Sports in India (Dronacharya Award, Arjuna Award, Dhayanchand Award, Rajiv Gandhi Khel Ratna Award etc.)	
3-4	Physical Fitness, Wellness & Lifestyle, Meaning & Importance of Physical Fitness & Wellness. Components of Physical fitness. Components of Health related fitness. Components of wellness. Preventing Health Threats through Lifestyle Change. Concept of Positive Lifestyle	
5-6	Fundamentals of Anatomy & Physiology in Physical Education, Sports and Yoga, Define Anatomy, Physiology & Its Importance. Effect of exercise on the functioning of Various Body Systems. (Circulatory System, Respi- ratory System, Neuro-Muscular System etc.).	
7-8	Kinesiology, Biomechanics & Sports Meaning & Importance of Kinesiology & Biomechanics in Physical Edu. & Sports. Newton's Law of Motion & its application in sports. Friction and its effects in Sports.,	
9-10	Postures o Meaning and Concept of Postures. Causes of Bad Posture. Advantages & disadvantages of weight training. Concept & advantages of Correct Posture. Common Postural Deformities – Knock Knee; Flat Foot; Round Shoulders; Lordosis, Ky- phosis, Bow Legs and Scoliosis. Corrective Measures for Postural Deformities.	
11-12	Yoga Meaning & Importance of Yoga. Elements of Yoga. Introduction - Asanas, Pranayama, Meditation & Yogic Kriyas Yoga for concentration & related Asanas (Sukhasana;	

	Tadasana; Padmasana & Sha-shankasana). Relaxation Techniques for improving concentration Yognidra	
13-14	Yoga & Lifestyle Asanas as preventive measures. oHypertension: Tadasana, Vajrasana, Pavan Muktasana, Ardha Chakrasana, Bhujangasana,Sharasana. Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardh Matsyendrasana. Back Pain: Tadasana, Ardh Matsyendrasana, Vakrasana, Shalabhasana, Bhujangasana. Diabetes: Procedure, Benefits & contraindications for Bhujangasana, Paschimottasana, Pavan Muktasana, Ardh Matsyendrasana	
15-16	Asthema: Procedure, Benefits & contraindications for Sukhasana, Chakrasana,Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasana.	
17-18	Training and Planning in Sports Meaning of Training. Warming up and limbering down. Skill, Technique & Style. Meaning and Objectives of Planning. Tournament – Knock-Out, League/Round Robin & Combination.	
19-20	Psychology & Sports Definition & Importance of Psychology in Physical Edu. & Sports. Define & Differentiate Between Growth & Development Adolescent Problems & Their Management. Emotion: Concept, Type & Controlling of emotions. Meaning, Concept & Types of Aggressions in Sports. Psychological benefits of exercise. Anxiety & Fear and its effects on Sports Performance. Motivation, its type & techniques. Understanding Stress & Coping Strategies.	
21-22	Doping Meaning and Concept of Doping. Prohibited Substances & Methods. Side Effects of Prohibited Substances.	
23-24	Sports Medicine First Aid – Definition, Aims & Objectives. Sports injuries: Classification, Causes & Prevention. Management of Injuries: Soft Tissue Injuries and Bone & Joint Injuries.	
25-26	Sports / Games Following sub topics related to any one Game/Sport of choice of student out of: Athletics, Badminton, Basketball, Chess, Cricket, Kabaddi, Lawn Tennis, Swimming, Table Tennis, Volleyball, Yoga etc. History of the Game/Sport. Latest General Rules of the Game/Sport	
27-28	Specifications of Play Fields and Related Sports Equipment. Important Tournaments and Venues. Sports Personalities. Proper Sports Gear and its Importance.	

Signature of Teacher

Signature of HOD

Rotation Plan of Groups in General Workshop

Session:- June-Dec 2025

Branch:- COMPUTER ENGINEERING

Semester:- 1st , Subject:-(Engg. Workshop Practice)

Sr.No.	Shop Name	Code
1	Carpentry	C
2	Fitting	FT
3	Welding	WL
4	Sheet Metal	SH
5	Smithy	SM
6	Electrical House Wiring	EW

Group	Class Sr.No.
G I	1 TO 11
G II	12 TO 22
G III	23 TO 33
G IV	34 TO 44
G V	45 TO -
G VI	———

Sr.no.	Date	Carpentry	Fitting	Welding	Sheet Metal	ELECTRI-CAL	REMARKS
1	8, 12 Aug	1	2	3	4	5	
2	19, 22 Aug.	5	1	2	3	4	
3	23, 26 Aug	4	5	1	2	3	
4	29, 30 Aug	3	4	5	1	2	
5	2, 5 Sep	2	3	4	5	1	
6	6, 9 SEP	1	2	3	4	5	
7	12, 19 SEP	5	1	2	3	4	
8	20, 23 SEP	4	5	1	2	3	
9	26, 27 SEP	3	4	5	1	2	
10	30 SEP, 3 OCT.	2	3	4	5	1	
11	4, 10 OCT.	1	2	3	4	5	
12	14, 21 OCT.	5	1	2	3	4	
13	24, 25 OCT.	4	5	1	2	3	
14	28, 31 OCT.	3	4	5	1	2	
15	1, 4 NOV.	2	3	4	5	1	
16	7, 14	1	2	3	4	5	
17	15, 18	5	1	2	3	4	
18	21, 22	4	5	1	2	3	
19	25	3	4	5	1	2	
20							
21							
22							
23							
24							
25							

Class In charge

Foreman Inst.

Workshop S

LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION: AUG.-DEC.2025)

COMPUTER ENGG. **ENGINEERING (SEMESTER - 1st)**

NAME OF INSTRUCTOR:Sh.Sanjeev Kumar **NAME OF SHOP: CARPENTRY**

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	REMARKS
1	Demonstration of different wood working tools / machines.	8, 12 Aug	2, 5 Sep	29, 30 Aug	23, 26 Aug	19, 22 Aug	
2	Demonstration of different wood working processes, like plaining, marking, chiseling, grooving, turning of wood etc	6, 9 Sep	30 Sep, 3 Oct	26, 27 Sep	20, 23 Sep	12, 19 Sep	
3	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.	7, 14 NW 25 NW	1, 4 NW 22 NW	28, 3 Oct 21 NW	24, 25 Oct 11 NW	14, 21 Oct 15 NW	

Workshop Instructor

Foreman Instructor

Workshop Superintendent

LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION:)

ENGINEERING (SEMESTER - 1st)

COMP ENGG.

NAME OF INSTRUCTOR:Sh. Hans Raj Nayak **NAME OF SHOP: FITTING SHOP**

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	G-VI
1	Demonstration of different fitting tools and drilling machines and power tools .	19, 22 Aug	8, 12 Aug	2, 5 Sep	29, 30 Aug	23, 26 Aug	
2	Demonstration of different operations like chipping, filing, drilling, tapping, sawing, cutting etc.	12, 19 Sep	6, 9 Sep	30 Sep, 3 Oct	26, 27 Sep	20, 23 Sep	
3	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc.	14, 21 Oct 15, 18 Nov	4, 10 Oct 4, 14 Nov	1, 4 Nov.	28, 30 Oct 25 Nov.	24, 25 Oct 21, 22 Nov	

Workshop Instructor

Foreman Instructor

Workshop Superintendent

LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION:)

COMPUTER ENGG. **ENGINEERING (SEMESTER -)**

NAME OF INSTRUCTOR: Dinesh Kumar **NAME OF SHOP: WELDING**

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	G-VI
1	Demonstration of different welding tools / machines.	23, 26 Aug	19, 22 Aug	8, 12 Aug	2, 5 Sep	29, 30 Aug	
2	Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding.	20, 23 Sep 22 NW	12, 19 Sep 18, 2 Nov	6, 9 Sep 11, 16 Nov	30 Sep 3 Oct	26, 27 Sep	
3	One simple job involving butt and lap joint.	24, 25 Oct 21 NW	14, 21 Oct 15 NW	4, 10 Oct 7 NW	1, 4 NW	28, 31 Oct 25 NOV	

LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION: AUG.-DEC.2025)

ENGINEERING (SEMESTER - 1st)

NAME OF INSTRUCTOR:Sh.DHANI RAM

NAME OF SHOP: SHEET METAL Comp Engg

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	REMARKS
1	Demonstration of different sheet metal tools / machines.	29,30 Aug	23,26 Aug	19,22 Aug	8,12 Aug	2,5 sep	
2	Demonstration of different sheet metal operations like sheet cutting, bending, edging, end curling, lancing, soldering, brazing, and riveting.	26,27 sep	20,23 sep	12,19 sep	6,9 sep	30 sep 3 Oct	
3	Simple job involving sheet metal operations and soldering and riveting.	28,31 Oct 22 Nov	24,25 Oct 21 Nov	14,21 Oct 15,18 Nov	9,10 Oct 7,14 Nov	1,4 Nov 25 Nov	

Workshop Instructor

Foreman Instructor

Workshop Superintendent

LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION:)

ENGINEERING (SEMESTER -)

NAME OF INSTRUCTOR:Sh. Rajesh Kumar NAME OF SHOP: Electrical

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V
1	Practice on simple lamp circuits (i) one lamp controlled by one switch by surface conduit wiring.	5 Sep	30 Aug	26 Aug	22 Aug	12 Aug
2	Lamp circuits connection of lamp and socket by separate switches.	30 Sep	26 Sep	20 Sep	12 Sep	6 Sep
3	Connection of Fluorescent lamp/tube light	3 Oct	27 Sep	23 Sep	19 Sep	9 Sep
4	Simple lamp circuits-in- stall bedroom lighting	1 Nov	28 Oct	24 Oct	14 Oct	4 Oct
5	Simple lamp circuits- install stair case wiring.	4 Nov	31 Oct	25 Oct	21 Oct	10 Oct
6	Demonstration of measurement of Current, Voltage, Power and Energy.	4 Nov	25 Nov	21 Nov	15 Nov	7 Nov
7	vii) Demonstration of advance power tools, pneumatic tools, electrical wiring tools and accessories.	2 Sep	29 Aug	23 Aug	19 Aug	8 Aug
8	Tools for Cutting and drilling.	2 Sep	29 Aug	23 Aug	19 Aug	8 Aug
	DOUBT CLEARING SESSION	4 Nov	25 Nov	29 Nov	18 Nov	14 Nov

Workshop Instructor

Foreman Instructor

Workshop Superintendent