

**LESSON PLAN FOR ENGG GRAPHICS (SESSION: AUG-DEC 2025 ) ELECT. ENGG. 1ST SEMESTER**

S.NO.	MONTH	WEEK	DAY	PARTICULARS	SHEETS	REMARKS
1	Aug	1ST	NIL	<b>Orientation programme w.e.f. 01/08/2024 to 07/08/2024</b>	.....	
		2ND	8	Write alphabets and numerical in 7:4 scale (Vertical only) (do this exercise in sketch book).	<b>SHEET 1</b>	
		3RD	14	Draw horizontal, Vertical, 30 degrees, 45 degrees, 60 and 75 degrees lines, different types of lines, dimensioning styles using Tee and Set squares/drafter.	<b>SHEET 1</b>	
		4TH	21,22	Draw some problems on Engineering Plain scale	<b>SHEET 2</b>	
		5TH	28,29	Draw some problems on Engineering Diagonal scale	<b>SHEET 3</b>	
2	Sept	1ST	4,5	Draw some problems on orthographic projections using first angle method of projection having plain and slanting, cylindrical surfaces, ribs and slots.	<b>SHEET 4</b>	
		2ND	11,12	Draw some problems on orthographic projections using first angle method of projection having plain and slanting, cylindrical surfaces, ribs and slots.	<b>SHEET 5</b>	CT1
		3RD	18,19	Draw some problems on orthographic projections using first angle method of projection having plain and slanting, cylindrical surfaces, ribs and slots.	<b>SHEET 6</b>	
		4TH	25,26	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.	<b>SHEET 7</b>	
		5TH	NIL	.....		
3	Oct	1ST	3	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.	<b>SHEET 8</b>	
		2ND	9,10	Draw free hand sketches/ conventional representation of machine elements in sketch book such as thread profiles, nuts, bolts	<b>SHEET 9</b>	
		3RD	16	Draw free hand sketches/ conventional representation of machine elements in sketch book such as, set screws, washers & locking arrangements	<b>SHEET 10</b>	CT2
		4TH	23,24	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	<b>SHEET 11</b>	
		5TH	30,31	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).	<b>SHEET 12</b>	
4	Nov	1ST	NIL	.....		
		2ND	6,7	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).	<b>SHEET 13</b>	HT

	3RD	13,14	Draw basic branch specific components in 2D using AutoCAD (Print out should be a part of term work).	SHEET 14,15	
	4TH	20,21	Draw basic branch specific components in 2D using AutoCAD (Print out should be a part of term work).	SHEET 16,17	

Prepared by

Vishal Chandel

Lecturer, MED

  
Ashish Kumar

Lecturer, MED

Approved by

Er. FN Kazmi

HOD, MED

  
01/8/2025

# LESSON PLAN

Program Name	DIPLOMA (Electrical Engg.)
Course/Subject Name	Sports and Yoga
Course/Subject Code	HS103
Course/Subject Coordinator Name	Monika

## 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	
		G1	G2
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		

*Monika*



	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

## LESSON PLAN

Program Name	DIPLOMA (Elect., Auto, Civil. & Computer Engg.)
Course/ Subject Name	Communication Skills In English
Course/ Subject Code	HS 101
Course/Subject Coordinator Name	Vandna Chandel

### Evaluation scheme

Sr. No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Communication Skills in English	2(Th)+1(DCS)+2(Pr.)	40	40	60	60
Reference books:			1.The Functional Aspects of Communication Skills			
			2.H. G Publications English Grammar			
			3.Comm. Skills in English by True Edu Publications			
			4.General English By Lucent			

**Course Outcomes:** After the completion of the course the students will:

CO1	Develop basic speaking and writing skills including proper usage of language and vocabulary so that they can become highly confident and skilled speakers writers.
CO2	Be informed of the latest trends in basic verbal activities such as presentation facing interviews and other forms of communication.
CO3	Also Develop Skill of group presentation and communication in team.
CO4	Develop Non-Verbal Communication such as proper use of body language and gesture.


### Teaching Plan:

Lecture No.	Name of topic	Actual date	Remarks
1.	<b>Unit-1 Communication: Theory and Practice Introduction</b> Basics of communication, Introduction meaning and definition, process of communication etc.		
2.	Types of Communication: Formal & Informal		
3	Verbal, Non-Verbal and written communication		



**Lab Plan (101):**

Sr. No.	Name of Practical	Actual Date		Remarks
		G-A	G-B	
1	<b>Unit-1 listening Skills:</b> Listening process and practice, introduction to recorded lectures, poems, interviews and speeches, listening tests.			
2	<b>Unit-2 introduction to phonetics</b> 1. Sounds: Consonant, Vowel, Diphthongs etc. transcription of words(IPA) Syllable Division			
3	<b>2. Words , Stress, Intonation, Voice Modulation etc.</b>			
4	<b>Unit-3 Speaking Skills</b> <b>Standard and Formal speech</b>			
5	Group Discussion			
6	Oral Presentation			
7	Public Speaking, Business presentation etc.			
8	Conversation Practice			
9	Mock Interview			
10	Role playing			

  
Subject Teacher

  
Signature of HOD

25	Notices		
26	Minutes Of Meeting		
27	The Art of précis writing		
28	The Art of précis writing		
29	<b>UNIT:5 Vocabulary and Grammar</b> Glossary of administrative terms( Hindi and English)		
30	One-word substitution		
31	One-word substitution		
32	Idioms and phrases		
33	Idioms and phrases		
34	Parts of Speech		
35	Part of Speech		
36	Active and Passive voice		
37	Active and Passive Voice		
38	Active and Passive Voice		
39	Tenses		
40	Tenses		
41	Punctuation.		
42	Punctuation.		

#### Assignments:

Assignment serial	Contents of syllabus covered	Actual date	Remarks
A-1	Communication and Soft Skills& Reading comprehension		
A-2	Professional Writing And Vocabulary		

#### House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed Date	Actual date	Remarks
CT-I	30% of the syllabus			
CT-II	Next 30% of the syllabus			
House Test	80% of the syllabus			

4	Barriers to effective communication		
5	7Cs for effective communication		
6	Art of effective communication, (Choosing Words, Voice Modulation, Clarity, time, Simplification of Words		
7	Technical Communication.		
8	<b>Unit-2 Soft Skills For Professional Excellence:</b> Introduction: Soft Skills and Hard skills Importance of soft skills		
9	Life Skills, Self Awareness and self analysis,		
10	Adaptability, resilience		
11	Emotional intelligence and empathy etc		
12	<b>Unit- 3 Reading Comprehension</b> <b>Section: Short Stories 1. The Gift Of Magi</b>		
13	The Gift Of Magi		
14	The Gift Of Magi		
15	2.Uncle Podger Hangs a Picture		
16	Uncle Podger Hangs a Picture		
17	<b>Section :2 Poetry</b> 1.Night Of the Scorpion		
18	Night Of the Scorpion		
19	2.Stopping By Woods On A snowy Evening		
20	3. Where the Mind Is without fear		
21	<b>Unit-4. Professional writing</b>		
22	Letters: Business and Personal		
23	Letters: Business and Personal		
24	Drafting e-mails		



# Rotation Plan of Groups in General Workshop

Session:- June-Dec 2025

Branch:- ELECT. ENGG

Semester:- 1<sup>st</sup> , Subject:- (Engrg. 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	ELECTRICAL	REMARKS
1	11, 12 / 8 / 2025	1	2	3	4	5	
2	14, 18 / 8 / 2025	5	1	2	3	4	
3	19, 21 / 8 / 2025	4	5	1	2	3	
4	25, 26 / 8 / 2025	3	4	5	1	2	
5	28 / 8, 1 / 9 / 2025	2	3	4	5	1	
6	3 / 9 / 2025	1	2	3	4	5	
7	8, 9 / 9 / 2025	5	1	2	3	4	
8	11, 15 / 9 / 2025	4	5	1	2	3	
9	18, 22 / 9 / 2025	3	4	5	1	2	
10	23, 25 / 9 / 2025	2	3	4	5	1	
11	29, 30 / 9 / 2025	1	2	3	4	5	
12	6 / 10 / 2025	5	1	2	3	4	
13	13, 14 / 10 / 2025	4	5	1	2	3	
14	21, 23 / 10 / 2025	3	4	5	1	2	
15	27, 28 / 10 / 2025	2	3	4	5	1	
16	30 / 10, 3 / 11 / 2025	1	2	3	4	5	
17	4, 6 / 11 / 2025	5	1	2	3	4	
18	13, 17 / 11 / 2025	4	5	1	2	3	
19	18, 20, 1 / 11 / 2025	3	4	5	1	2	
20	24, 25, 1 / 11 / 2025	2	3	4	5	1	
21							
22							
23							
24							
25							

Class In charge

Foreman Inst.

Workshop Supt.

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

ELECTRICAL ENGR.

ENGINEERING (SEMESTER - 1st)

NAME OF INSTRUCTOR: Sh. Sanjeev Kumar

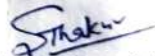
NAME OF SHOP: CARPENTRY

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	REMARKS
1	Demonstration of different wood working tools / machines.	11, 12 Aug 17 Nov	28, Aug 1 Sep 25 Nov	25, 26 Aug 24 Nov	19, 21 Aug 20 Nov	14, 18 Aug 18 Nov	
2	Demonstration of different wood working processes, like planing, marking, chiseling, grooving, turning of wood etc	21, 4 Sep	23, 25 Sep	18, 22 Sep	11, 15 Sep	8, 9 Sep	
3	One simple job involving any one joint like mortise and tenon dovetail, bridle, half lap etc.	29, 30 Sep 3 Nov	27, 28 Oct 6 Nov	21, 23 Oct 4 Nov	13, 14 Oct 3 Nov	6, 9 Oct 30 Oct	

LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION: )							
ELECTRICAL ENGg.		ENGINEERING (SEMESTER - )					
NAME OF INSTRUCTOR: Sh.		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 .	14, 18 Aug	11, 12 Aug	25 Aug 1 sep	25, 26 Aug	19, 21 Aug	
2	Demonstration of different operations like chipping, filing, drilling, tapping, sawing, cutting etc.	8, 9 sep	2, 4 sep	23, 25 sep	18, 22 sep	11, 15 sep	
3	One simple fitting job involving practice of chipping, filing, drilling, tapping, cutting etc.	6, 9 OCT 4, 6 Nov	29, 30 sep 30 OCT, 3 Nov	27, 28 OCT 24, 25 Nov	21, 23 OCT 18, 20 Nov	13, 14 OCT 13, 17 Nov	

  
Workshop Instructor

  
Foreman Instructor

  
Workshop Superintendent



**LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION: )**  
**ENGINEERING (SEMESTER - )**

**NAME OF SHOP: WELDING**

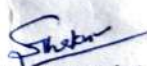
ELECTRICAL ENGG.

**NAME OF INSTRUCTOR: Dinesh Kumar**

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	OWN
1	Demonstration of different welding tools / machines.	19, 21 Aug	14, 18 Aug	11, 12 Aug	28 Aug 1 Sep	25, 26 Aug	
2	Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding.	11, 15 sep 17 Nov	8, 9 sep 6 Nov	2, 4 Sep 3 Nov	23, 25 Sep 25 Nov	18, 22 sep 20 Nov	
3	One simple job involving butt and lap joint.	13, 14 Oct 13 Nov	6, 9 Oct 4 Nov	29, 30 Sep 30 Oct	27, 28 Oct 24 Nov	21, 23 Oct 18 Nov	

  
Workshop Instructor

  
Foreman Instructor

  
Workshop Superintendent

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

**ENGINEERING (SEMESTER - 1st)**

**NAME OF INSTRUCTOR: Sh.DHANI RAM**

**NAME OF SHOP: SHEET METAL**

*Electrical Craft*

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	REMARKS
1	Demonstration of different sheet metal tools / machines.	25, 26/8 6/11	19, 21/8 4/11	14, 18/8 3/11	11, 12/8 30/10	28/8 1/9	
2	Demonstration of different sheet metal operations like sheet cutting, bending, edging, end curling, lancing, soldering, brazing, and riveting.	18, 22/9	11, 15/9	8, 9/9	2, 4/9	23, 25/10	
3	Simple job involving sheet metal operations and soldering and riveting.	21, 23/10	13, 14/10	6, 9/10	29, 30/9	27, 28/10	

 Workshop Instructor

 Foreman Instructor

 Workshop Superintendent

**LESSON PLAN FOR : ENGINEERING WORKSHOP PRACTICE (SESSION: )**

**ELECTRICAL ENGG.**

**ENGINEERING (SEMESTER - )**

**NAME OF INSTRUCTOR: Sh. Pawan chandhary**

**NAME OF SHOP: Electrical House wiring**

S.NO.	PRACTICAL	G-I	G-II	G-III	G-IV	G-V	G-VI
1	Practice on simple lamp circuits (i) one lamp controlled by one switch by surface conduit wiring.	18 Sep	26 Aug	21 Aug	18 Aug	12 Aug	
2	Lamp circuits connection of lamp and socket by separate switches.	23 Sep	18 Sep	11 Sep	8 Sep	2 Sep	
3	Connection of Fluorescent lamp/tube light.	25 Sep	22 Sep	15 Sep	9 Sep	4 Sep	
4	Simple lamp circuits-in- stall bedroom lighting.	27 Oct	21 Oct	13 Oct	6 Oct	29 Sep	
5	Simple lamp circuits- install stair case wiring.	28 Oct	23 Oct	14 Oct	9 Oct	30 Sep	
6	Simple lamp circuits- install stair case wiring. Demonstration of measurement of Current, Voltage, Power and Energy.	24 Nov 25 Nov	18 Nov 20 Nov	13 Nov 17 Nov	4 Nov 6 Nov	30 Oct	
7	Simple lamp circuits- install stair case wiring. Demonstration of measurement of Current, Voltage, Power and Energy. Demonstration of advance power tools, pneumatic tools, electrical wiring tools and accessories.	28 Aug	25 Aug	19 Aug	14 Aug	11, 2 Aug 3 Nov	
8	Tools for Cutting and drilling.	28 Aug	25 Aug	19 Aug	14 Aug	11 Aug	

  
Workshop Instructor

  
Foreman Instructor

  
Workshop Superintendent