

# GOVERNMENT POLYTECHNIC GARIYABAND

GARIYABAND (C.G.)

## LESSION PLAN

SESSION - JULY-DEC 2024

NAME OF FACULTY : CHANDRESH KUMAR DEWANGAN

DESIGNATION : LECTURER (MECHANICAL)

DEPARTMENT : MINING ENGINEERING

COURSE : ENGINEERING DRAWING

COURSE CODE : 2000177(037)

SEMESTER : I

SESSION STARTS FROM : 18.09.2024

Lecture No.	Unit No.	Topics to be Covered	Planned Date	Execution Date	Remarks (L/T)
1	I	Importance, Drawing Instruments & Sheet Layout	18.09.2024	18/09/24	Lecture
2	I	Lettering, BIS Standards, Types of Lines	18.09.2024	18/09/24	Lecture
3	I	Scales – Full, Reduced, Enlarged	19.09.2024	19/09/24	Tutorial
4	I	Dimensioning Rules & Methods	25.09.2024	25/09/24	Lecture
5	I	Plain & Diagonal Scales (Tutorial)	25.09.2024	25/09/24	Lecture
6	I	Practice Sheet – Basics	26.09.2024	26/09/24	Tutorial
7	II	Definition of Conic Sections & Terminology	02.10.2024	03/10/24	Lecture
8	II	Ellipse – Concentric & Oblong Method	02.10.2024	09/10/24	Lecture
9	II	Ellipse – Eccentricity Method	03.10.2024	09/10/24	Tutorial
10	II	Parabola – Rectangle & Tangent Method	09.10.2024	10/10/24	Lecture
11	II	Hyperbola – Rectangular Method	09.10.2024	16/10/24	Lecture
12	II	General Method using Focus & Directrix	10.10.2024	16/10/24	Tutorial
13	II	Applications of Engineering Curves	16.10.2024	17/10/24	Lecture
14	II	Practice Sheet – Conics (Tutorial)	16.10.2024	23/10/24	Lecture
15	III	Projection of Points – Quadrants	17.10.2024	23/10/24	Tutorial
16	III	Projection of Points – Different Conditions	23.10.2024	24/10/24	Lecture
17	III	Projection of Lines – Parallel to HP/VP	23.10.2024	06/11/24	Lecture
18	III	Projection of Lines – Inclined to One Plane	24.10.2024	06/11/24	Tutorial

# GOVERNMENT POLYTECHNIC GARIYABAND

GARIYABAND (C.G.)

## LESSION PLAN

SESSION - JULY-DEC 2024

NAME OF FACULTY : CHANDRESH KUMAR DEWANGAN

DESIGNATION : LECTURER (MECHANICAL)

DEPARTMENT : MINING ENGINEERING

COURSE : ENGINEERING DRAWING

COURSE CODE : 2000177(037)

SEMESTER : I

SESSION STARTS FROM : 18.09.2024

Lecture No.	Unit No.	Topics to be Covered	Planned Date	Execution Date	Remarks (L/T)
19	III	Projection of Lines – Inclined to Both Planes	30.10.2024	13/10/24	Lecture
20	III	Projection of Planes – Parallel to Plane	30.10.2024	13/10/24	Lecture
21	III	Projection of Planes – Inclined to One Plane	31.10.2024	14/10/24	Tutorial
22	III	Projection of Planes – Inclined to Both Planes	06.11.2024	20/10/24	Lecture
23	III	Auxiliary Planes Concept	06.11.2024	20/10/24	Lecture
24	III	Practice Problems – Projections (Tutorial)	07.11.2024	21/10/24	Tutorial
25	IV	First & Third Angle Projection	13.11.2024	28/10/24	Lecture
26	IV	Orthographic Views – Simple Objects	13.11.2024	04/12/24	Lecture
27	IV	Sectioning Planes & Types of Sections	14.11.2024	04/12/24	Tutorial
28	IV	Projection of Solids – Simple Position	20.11.2024	05/12/24	Lecture
29	IV	Solids Inclined to One Plane	20.11.2024	11/12/24	Lecture
30	IV	Solids Inclined to Both Planes	21.11.2024	11/12/24	Tutorial
31	IV	Section of Solids	27.11.2024	12/12/24	Lecture
32	IV	True Shape of Section	27.11.2024	19/12/24	Lecture
33	IV	Practice Sheet – Orthographic	28.11.2024	19/12/24	Tutorial
34	IV	Practice Sheet – Sectional View (Tutorial)	04.12.2024	21/12/24	Lecture
35	V	Isometric Axis & Scale	04.12.2024	23/12/24	Lecture
36	V	Isometric Projection vs Drawing	05.12.2024	23/12/24	Tutorial

# GOVERNMENT POLYTECHNIC GARIYABAND

GARIYABAND (C.G.)

## LESSION PLAN

SESSION - JULY-DEC 2024

NAME OF FACULTY : CHANDRESH KUMAR DEWANGAN

DESIGNATION : LECTURER (MECHANICAL)

DEPARTMENT : MINING ENGINEERING

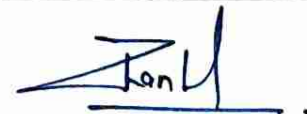
COURSE : ENGINEERING DRAWING

COURSE CODE : 2000177(037)

SEMESTER : I

SESSION STARTS FROM : 18.09.2024

Lecture No.	Unit No.	Topics to be Covered	Planned Date	Execution Date	Remarks (L/T)
37	V	Isometric of Rectangular Objects	11.12.2024	30/12/24	Lecture
38	V	Isometric of Circular & Cylindrical Objects	11.12.2024	30/12/24	Lecture
39	V	Isometric with Slots & Inclined Surfaces	12.12.2024	08/01/25	Tutorial
40	V	Conversion Orthographic to Isometric	18.12.2024	08/01/25	Lecture
41	V	Practice Sheet – Isometric	18.12.2024	15/01/25	Lecture
42	V	Tutorial – Isometric Problems	19.12.2024	15/01/25	Tutorial
43	VI	Introduction to AutoCAD Interface	25.12.2024	16/01/25	Lecture
44	VI	Coordinate System & Drawing Aids	25.12.2024	29/01/25	Lecture
45	VI	Basic Drawing Commands	26.12.2024	30/01/25	Tutorial
46	VI	Modify Commands	01.01.2025	03/02/25	Lecture
47	VI	Layers, Linetype & Dimensioning in CAD	01.01.2025	06/02/25	Lecture
48	VI	Printing & Plotting	02.01.2025	07/02/25	Tutorial
49	VI	CAD Practice – 2D Drawing	08.01.2025	07/02/25	Lecture
50	VI	Revision & Practice (Tutorial)	08.01.2025	15/02/25	Lecture



Chandresh Ku. Dewangan  
Lecturer (Mechanical)