KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

(Session- 2023-2024)

Discipline :Computer Science Engg.	**Semester:2nd**	**Name of the Teaching Faculty: Namita Behera, Lecturer** **Email Id:- namitafme@kp.kiit.ac.in**
Subject: Engineering Drawing	No. Of Days/Week : 02(3 periods/ week)	Start Date: 29/01/2024 End Date : 14/05/2024
Week	**Class Day**	**PracticalTopics**
1st	1st	Identify various sizes of drawing boards, drawing sheets as pr BIS. List the types of pencils, instruments.
	2nd	Lying of drawing sheet, margin, standard layout and title block as per BIS.
	3rd	*Demonstration*
	4th	*Assignment Evaluation and check*
2nd	1st	Explain the conventional Section of Engineering Materials
	2nd	Demonstrate and explain the use of various types of lines.
	3rd	*Assignment Evaluation and check*
	4th	Demonstrate the principle of single stroke lettering & numerals as per BIS.
3rd	1st	Demonstrate the principle of gothic lettering & numerals as per BIS.
	2nd	Demonstrate the principle of free hand lettering & numerals as per BIS.
	3rd	*Assignment Evaluation and check*
	4th	Significance of scales in drawing; different scales.
4th	1st	Define and draw Plain sale.
	2nd	Questions for Practice
	3rd	Questions for Practice
	4th	Define and draw Diagonal sale.
5th	1st	Questions for Practice
	2nd	Questions for Practice
	3rd	Questions for Practice
	4th	*Assignment Evaluation and check*

6th	1st	Explain Conic sections with illustration, Explain terms like focus, vertex, directrix and eccentricity.
	2nd	Draw conics sections by eccentricity method of Ellipse,
	3rd	Questions for Practice
	4th	Draw conics sections by eccentricity method Parabola.
7th	1st	Questions for Practice
	2nd	Draw conics sections by eccentricity method of Hyperbola.
	3rd	Questions for Practice
	4th	Draw Ellipse by concentric circle method and intersecting arc method.
8th	1st	Questions for Practice
	2nd	*Assignment Evaluation and check*
	3rd	Draw parabola by Rectangle Method and Tangent Method
	4th	Questions for Practice
9th	1st	Questions for Practice
	2nd	Review class
	3rd	*Assignment Evaluation and check*
	4th	Demonstrate the principles of 1 angle and 3 angle projections with the help of models and draw symbols
10th	1st	projection of straight line
	2nd	parallel to both planes,
	3rd	Questions for Practice
	4th	*Assignment Evaluation and check*
11th	1st	Parallel to one and perpendicular to other.
	2nd	Parallel to one and inclined to other and inclined to both reference planes.
	3rd	*Assignment Evaluation and check*
	4th	Draw Projection of Planes.
12th	1st	Draw Projection of Squares.
	2nd	*Assignment Evaluation and check*
	3rd	Draw Projection of Rectangles.
	4th	Questions for Practice
13th	1st	Draw Projection of Triangles.
	2nd	Questions for Practice
	3rd	Draw Projection of Circle.
	4th	Questions for Practice

14th	1st	Draw Projection figure of Rectangles .
	2nd	Questions for Practice
	3rd	Draw a Projection figure of Pentagon
	4th	Questions for Practice
15th	1st	Draw a Projection figure of Hexagon.
	2nd	Questions for Practice
	3rd	Draw projections of solids such as prism
	4th	*Assignment Evaluation and check*
16th	1st	Questions for Practice
	2nd	Draw projections of solids such as cylinder, in simple position
	3rd	Questions for Practice
	4th	Draw projections of solids such as cone, tetrahedron in simple position
17th	1st	Draw projections of solids such as pyramid in simple position
	2nd	Questions for Practice
	3rd	*Assignment Evaluation and check*
	4th	Draw isometric view & Isometric projection of prism with axis horizontal and vertical with construction of isometric scales.
18th	1st	Questions for Practice
	2nd	Draw isometric view & Isometric projection of pyramid with axis horizontal and vertical with construction of isometric scales.
	3rd	Questions for Practice
	4th	Draw isometric view & Isometric projection of cone & cylinder with axis horizontal and vertical with construction of isometric scales.
19th	1st	Questions for Practice
	2nd	Draw the sectional projection & development of prism
	3rd	Draw the sectional projection & , cylinder
	4th	Draw the sectional projection- cone
20th	1st	Draw the sectional projection- pyramid
	2nd	Draw true shape of the cutting sections
	3rd	Questions for Practice
	4th	Draw plan, elevation of single room building (Flat roof according to given line plan and specification)
21th	1st	Questions for Practice.
	2nd	*Assignment Evaluation and check*
	3rd	Draw plan, elevation of single room building with verandah (Flat roof according to given line plan and specification)

	4th	Questions for Practice.
22th	1st	*Assignment Evaluation and check*
	2nd	Introduction-Settings, Limits etc
	3rd	Write down the Auto CAD commands.
	4th	Exercise for practice using AutoCAD.
23th	1st	*Assignment Evaluation and check*
	2nd	very similar test

Signature of Concerned Teacher