

# KIIT POLYTECHNIC, BHUBANESWAR

## LESSON PLAN

Session: **Summer 2023-2024**

<b>Discipline: Civil engg</b>	<b>Semester:4<sup>th</sup></b>	<b>Name of the Teaching Faculty:</b> <b>Ananyashree Moharana</b> <b>(Lecturer)</b> <b>Mail.id Nivedita.panda@kp.kiit.ac.in</b>
<b>Subject: Civil engg.Drawing-II(pr-2)</b>	<b>No. Of Days/Week:2(6periods)</b>	<b>Start Date: 16/1/2024</b> <b>End Date: 26/4/2024</b>
<b>Week</b>	<b>Class Day</b>	<b>Theory</b>
1st	1 <sup>st</sup>	Introduction to civil Engineering drawing-2 Discussion about various types drawings include in this syllabus, its benefits and future scope Half foundation plan and half top plan, cross sectional elevation and longitudinal section of RCC Slab culvert with right angled wing wall Explained by the faculty
	2 <sup>nd</sup>	Drawing drawn in AutoCAD by the faculty Drawing sheet drawn by student
2nd	1 <sup>st</sup>	Submission of sheet and sessional-1 Doubt clearing about the slab culvert Half foundation plan and half top plan, cross sectional elevation and longitudinal section of Hume pipe culvert with splayed wing wall. Explained by the faculty.
	2 <sup>nd</sup>	Drawn by the faculty Drawing sheet drawn by students Submission of sheet and sessional-2
3rd	1 <sup>st</sup>	Site visit to get practical knowledge about slab culvert and hume pipe culvert Students present their drawings and explain about the culvert students share their knowledge how modern technology effect Engineering drawing
	2 <sup>nd</sup>	Detail drawing of a vertical drop type fall (Sarada Type) from given specifications. Explained by the faculty. Drawn by the faculty
4th	1 <sup>st</sup>	Drawing sheet drawn by students Submission of sheet and sessional-3 Drawing of a Drainage siphon from given specifications. Explained by the faculty.

	2 <sup>nd</sup>	Drawing drawn by the faculty Drawing sheet drawn by students Submission of sheet and sessional-4
5th	1 <sup>st</sup>	Site visit to get practical knowledge about irrigation structure Discussion about the irrigation structure
	2 <sup>nd</sup>	Plumbing and Sanitary connections and fittings of a two roomed building. Explained by the faculty  Drawing drawn by the faculty Drawing sheet drawn by students
6th	1 <sup>st</sup>	Submission of sheet and sessional-5 Site visit of a building near by the college for knowing the technique of plumbing and sanitary connections
	2 <sup>nd</sup>	Presentation of students about plumbing and sanitary connection Doubt clearing class about plumbing and sanitary connection
7th	1 <sup>st</sup>	complete kp-2 plumbing and sanitary connection analysis Detailed drawing of septic tank up to 50 users with soak pit and necessary connection from the water closet. Explained by the faculty
	2 <sup>nd</sup>	Drawing drawn by the faculty Drawing sheet drawn by students Drawing sheet drawn by students
8th	1 <sup>st</sup>	Submission of sheet and sessional-6 practical visit of a septic tank near by the college
	2 <sup>nd</sup>	Report writing about the septic tank presentation about septic tank drawing
9th	1 <sup>st</sup>	Doubt clearing class about septic tank Revision of slab culvert
	2 <sup>nd</sup>	Revision of slab culvert Revision of Hume pipe culvert
10th	1 <sup>st</sup>	Revision of sarada type fall
	2 <sup>nd</sup>	Revision of sarada type fall
11th	1 <sup>st</sup>	Revision of Drainage syphon
	2 <sup>nd</sup>	Revision of plumbing and sanitary connection of a two room building
12th	1 <sup>st</sup>	Revision of septic tank
	2 <sup>nd</sup>	Revision of septic tank
13th	1 <sup>st</sup>	Practice test
	2 <sup>nd</sup>	Viva
14th	1 <sup>st</sup>	Final sessional and sheet submission
	2 <sup>nd</sup>	Discussion for the final practical examination
15th	1 <sup>st</sup>	Future scope and benefits of learning

	2 <sup>nd</sup>	Previous year question discussion
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