

# LESSON PLAN

## DEPARTMENT OF MECHANICAL ENGINEERING, ITT, CHOUDWAR

**SUBJECT:**MECHANICAL ENGINEERING DRAWING (PR-1)**Periods:**2 class days per week **SEMESTER:**3<sup>rd</sup>

**NAME OF FACULTY:**SANJAYA KUMAR NAYAK, LECT(MECH), **No. of weeks:** 15

Week	Class Day (3 hrs/day)	Theory / Practical Topics
1st	1 <sup>st</sup>	Revision of Engineering Drawing of 1st Year
	2 <sup>nd</sup>	Revision of Engineering Drawing of 1st Year
2 <sup>nd</sup>	1 <sup>st</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
	2 <sup>nd</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
3 <sup>rd</sup>	1 <sup>st</sup>	Engineering drawing of fastening elements in first angle orthographic Projection, Bolt views, nut views
	2 <sup>nd</sup>	threads
4 <sup>th</sup>	1 <sup>st</sup>	Cotter joint front view
	2 <sup>nd</sup>	Cotter joint top view, side view
5 <sup>th</sup>	1 <sup>st</sup>	Knuckle joint front view
	2 <sup>nd</sup>	Knuckle joint top view, side view
6 <sup>th</sup>	1 <sup>st</sup>	Details to assembly Rigid pedestal bearing
	2 <sup>nd</sup>	Rigid pedestal bearing front view, top view
7 <sup>th</sup>	1 <sup>st</sup>	Foot step bearing front view
	2 <sup>nd</sup>	Foot step bearing top view
8 <sup>th</sup>	1 <sup>st</sup>	Simple Screw jack front view
	2 <sup>nd</sup>	Simple Screw jack top view
9 <sup>th</sup>	1 <sup>st</sup>	Assembly to details Connecting rod of IC Engine
	2 <sup>nd</sup>	Connecting rod of IC Engine front view
10 <sup>th</sup>	1 <sup>st</sup>	Connecting rod of IC Engine top view
	2 <sup>nd</sup>	Boiler safety valve front view
11 <sup>th</sup>	1 <sup>st</sup>	Boiler safety valve front view
	2 <sup>nd</sup>	Boiler safety valve top view
12 <sup>th</sup>	1 <sup>st</sup>	Boiler safety valve top view
	2 <sup>nd</sup>	Spring loaded valve front view
13 <sup>th</sup>	1 <sup>st</sup>	Spring loaded valve top view
	2 <sup>nd</sup>	Spring loaded valve top view
14 <sup>th</sup>	1 <sup>st</sup>	Hydraulic non return valve front view
	2 <sup>nd</sup>	Hydraulic non return valve top view
15 <sup>th</sup>	1 <sup>st</sup>	Flat belt pulley front view
	2 <sup>nd</sup>	Flat belt pulley Side view



Sign. of Faculty: