

## TEACHING PLAN FOR THEORY

**Name of Subject Teacher: AMRUTA ANIKET KAKDE**

**Subject: BASIC MECHANICAL ENGINEERING & GRAPHICS    Class: F.E –(Summer Term) Div: B    Branch:IT& ENTC  
Year 2018-19**

Lecture No	Scheduled Date	Topics to be covered on the scheduled date
		<b>UNIT-I</b>
1	31/07/18	Syllabus Discussion, Discussion on course objective & course outcome
2	1/08/18	Power transmission shafts
3	03/08/18	<b>TAE-1: QUIZ</b>
4	07/08/18	coupling , bush and ball bearing
5	08/08/18	friction clutches, brakes
6	10/08/18	individual and group drives, belt drive, chain drive, rope drive
7	14/08/18	gear drive and Spur Gear Drive arrangement with gear train
		<b>UNIT-II</b>
8	21/08/18	Introduction to Basic Manufacturing Processes overviews
9	22/08/18	Sheet metal forming processes: drawing and bending
10	24/08/18	Sheet metal Cutting processes : Blanking, Piercing
11	28/08/18	Metal Joining Processes : Welding , Soldering , Brazing methods and application

12	29/08/18	Brazing methods and application of each welding processes
13	31/08/18	Basic Elements, Working Principle, Types of Operations with Block Diagram: Lathe Machine
14	04/09/18	Basic Elements, Working Principle, Types of Operations with Block Diagram: Drilling Machine.
15	05/09/18	<b>TAE-2 : SURPRISE TEST</b>
		<b>UNIT-III</b>
16	7/09/18	Introduction to lines
17	11/09/18	Engineering Curves: Ellipse, Parabola
18	12/09/18	Hyperbola by Focus Directrix and Rectangle Method
19	14/09/18	Introduction to projection of solids and section of solids
20	18/09/18	<b>CAE-2</b>
21	19/09/18	<b>CAE-2</b>
22	21/09/18	Development of Solid(Prism and Pyramid Maximum with six sides)
23	25/09/18	Orthographic projections of given pictorial view by First Angle Method of Projections.
24	26/09/18	<b>TAE-3: HOME ASSIGNMENT</b>
25	28/09/18	Orthographic projections of given pictorial view by First Angle Method of Projections.
		<b>UNIT-IV</b>

26	03/10/18	Introduction to Isometric View with the example of Cube Isometric axes
27	05/10/18	Isometric Views
28	09/10/18	Isometric Projection
29	10/10/18	CAE-3
30	12/10/18	CAE-3
31	16/10/18	Drawing isometric views of simple solids and objects dimensioning-only Length, width and height of Isometric views.
32	17/10/18	TAE-5: Seminar / PPT
33	19/10/18	Drawing isometric views of simple solids and objects dimensioning-only Length, width and height of Isometric views.
34	23/10/18	Introduction to AutoCAD, Commands
35	24/10/18	AutoCAD drawing of simple 2D objects
36	26/10/18	AutoCAD drawing of simple 2D objects
37	30/10/18	CAE-4 (Improvement Exam).
38	31/10/18	TAE-7: Any Other.
39	02/11/18	REVISION