

## TEACHING PLAN FOR THEORY

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

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

| Lecture No | Scheduled Date | Topics to be covered on the scheduled date                           |
|------------|----------------|--|
|            |                | <b>UNIT-I</b>  |
| 1          | 30/07/18       | Syllabus Discussion, Discussion on course objective & course outcome |
| 2          | 31/07/18       | Power transmission shafts  |
| 3          | 02/08/18       | <b>TAE-1: QUIZ</b>   |
| 4          | 06/08/18       | coupling , bush and ball bearing                                     |
| 5          | 07/08/18       | friction clutches, brakes  |
| 6          | 09/08/18       | individual and group drives, belt drive, chain drive, rope drive     |
| 7          | 13/08/18       | gear drive and Spur Gear Drive arrangement with gear train           |
|            |                | <b>UNIT-II</b>   |
| 8          | 14/08/18       | Introduction to Basic Manufacturing Processes overviews              |
| 9          | 16/08/18       | <b>CAE-1</b>   |
| 10         | 20/08/18       | Sheet metal forming processes: drawing and bending                   |
| 11         | 21/08/18       | Sheet metal Cutting processes : Blanking, Piercing                   |

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| 12 | 23/08/18 | Metal Joining Processes : Welding , Soldering , Brazing methods and application              |
| 13 | 27/08/18 | Brazing methods and application of each welding processes                                    |
| 14 | 28/08/18 | Basic Elements, Working Principle, Types of Operations with Block Diagram: Lathe Machine     |
| 15 | 30/08/18 | Basic Elements, Working Principle, Types of Operations with Block Diagram: Drilling Machine. |
| 16 | 03/09/18 | <b>TAE-2 : SURPRISE TEST</b>   |
|    |          | <b>UNIT-III</b>  |
| 17 | 4/09/18  | Introduction to lines  |
| 18 | 6/09/18  | Engineering Curves: Ellipse, Parabola  |
| 19 | 10/09/18 | Hyperbola by Focus Directrix and Rectangle Method  |
| 20 | 11/09/18 | Introduction to projection of solids and section of solids                                   |
| 21 | 17/09/18 | <b>CAE-2</b>   |
| 22 | 18/09/18 | <b>CAE-2</b>   |
| 23 | 24/09/18 | Development of Solid(Prism and Pyramid Maximum with six sides)                               |
| 24 | 25/09/18 | Orthographic projections of given pictorial view by First Angle Method of Projections.       |
|    | 27/09/18 | <b>TAE-3: HOME ASSIGNMENT</b>  |
| 25 | 01/10/18 | Orthographic projections of given pictorial view by First Angle Method of Projections.       |

|    |          | <b>UNIT-IV</b>  |
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| 27 | 04/10/18 | Introduction to Isometric View with the example of Cube Isometric axes  |
| 30 | 9/10/18  | Isometric Views   |
| 31 | 11/10/18 | CAE-3   |
| 32 | 15/10/18 | TAE-5: Seminar / PPT  |
| 33 | 16/10/18 | Isometric Projection  |
| 34 | 16/10/18 | Drawing isometric views of simple solids and objects dimensioning-only Length, width and height of Isometric views. |
| 35 | 22/10/18 | Drawing isometric views of simple solids and objects dimensioning-only Length, width and height of Isometric views. |
| 36 | 23/10/18 | Introduction to AutoCAD, Commands   |
| 37 | 25/10/18 | AutoCAD drawing of simple 2D objects  |
| 38 | 29/10/18 | CAE-4 (Improvement Exam).   |
| 39 | 30/10/18 | TAE-7: Any Other. CAE-4 (Improvement Exam).   |
| 40 | 1/11/18  | AutoCAD drawing of simple 2D objects  |