LESSON PLAN ENGINEERING GRAPHICS 2019-2020

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| 2 Hrs. | | Module 1 | | Introduction to Engineering Graphics  Engineering Curves | |
| 1 Hr | | Introduction to Engineering Graphics | | 1. Principles of Engineering Graphics and their Significance 2. Usage of Drawing Instruments 3. Types of Lines, Dimensioning System 4. Introduction to plain and diagonal Scales | |
| 1 Hr | | Engineering Curves | | 1. Basic Construction of Cycloid. 2. Basic Construction of Involute 3. Basic Construction of Helix (of Cylinder) | |
| 3 Hrs | | Module5 | | Orthographic and Sectional Orthographic Projections | |
| 1Hr | |  | | 1. Fundamentals of Orthographic Projections | |
| 1Hr | |  | | 1. Different views of simple machine parts (1st angle method of projection) | |
| 1Hr | |  | | 1. Full ,Half sectional Views of simple machine parts | |
| 3 Hrs | | Module 7 | | Isometric Views | |
| 1Hr | |  | | 1. Principles of Isometric Projections. | |
| 1Hr | |  | | 1. Isometric Scales, Isometric Views | |
| 1Hr | |  | | 1. Conversion of Orthographic Views to Isometric Views (Excluding Sphere) | |
| 1 Hr | | Module 6 | | Missing Views | |
| 1 Hr | |  | | 1. The identification of missing views from the given views 2. Create the third view from the two available views so that all the details of the object are obtained. | |
| 3 Hrs | | Module 2 | | Projection of Points and Lines and Planes | |
| 1 Hr | |  | | 1. Projection of points | |
| 1 Hr | |  | | 1. Projection of Lines inclined to one reference plane 2. Projection of lines inclined to both reference planes | |
| 1 Hr | |  | | 1. Projection of Planes | |
| 5 Hrs | | Module 3 | | Projection of Solids | |
| 1 Hr | |  | | 1. Projection of solids with axis inclined to HP. | |
| 1 Hr | |  | | 1. Projection of solids with axis inclined to VP. | |
| 1 Hr | |  | | 1. Projection of solids with axis inclined to both HP and VP | |
| 1 Hr | |  | | 1. Use of Change of position or Auxiliary Plane Method | |
| 1 Hr | |  | | 1. Problems on Projection of Solids(Tetrahedron) | |
| 5 Hrs. | | Module 4 | | Section of Solids | |
| 1 Hr | |  | | 1. Sections of Prism | |
| 1 Hr | |  | | 1. Sections of Cylinder | |
| 1 Hr | |  | | 1. Sections of Pyramid | |
| 1 Hr | |  | | 1. Sections of Cone | |
| 1 Hr | |  | | 1. Use of Change of position or Auxiliary Plane Method | |