**Techno India NJR Institute of Technology**

**Department of Civil Engineering**

**AutoCAD Training Module, Session 2021-22**

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| **Schedule of Training**  |
| **Day** | **Topic** | **Contents** |
| **1** | Getting started with AutoCAD | Introduction, Installation, Understanding the Auto CAD Interface, Starting command from menus & icons |
| **2** | AutoCADBasic Units & Dimension | Understand Working Units&Dimensions, Understanding Coordinate Systems, Using Polar Tracking, Polar Snap and Object Snap Tracking |
| **3** | AutoCAD Command | Introduction about Basic Commands |
| **4** | Creating Basic drawings | Creating Basic drawings, Creating Basic Objects |
| **5** | Manipulation Objects | Creating Object’s Size, Creating New Objects from Existing Objects, creating a Mirror Image of Existing Objects. Changing the Angle of an Objects Position |
| **6** | Altering Objects | Trimming and Extending Objects, Creating Parallel and Offset Geometry,Joining and Breaking an Object, Applying a Radius Corner to Two Objects, Changing Object Properties, Using the properties palette |
| **7** | Annotating Drawings | Creating Multiline Text and single line text, Using Text Styles and Editing Text, |
| **8** | Dimensioning | Creating Dimensions, Using Dimension Styles, Editing Dimensions, Using Layers |
| **9** | Creating additional drawing objects | Grouping (To make a group of objects), Filtering the Objects, Using Page Setups, Plotting Drawings |
| **10** | Hatching Objects | Hatching and Editing Hatch Objects |
| **11** | Template drawing creation | Using Drawing Templates |
| **12-15** | Practice | Creating BASIC Drawing |



Dr. Pankaj Porwal

Principal and Head,

Department of Civil Engineering and Mechanical Engineering

CC: 1. The Director

 2. The Principal

 3. CE Dept. File

 4. CE student notice boards