

MYMENSINGH POLYTECHNIC INSTITUTE
TECHNOLOGY: CIVIL
Outline Plan of On line Teaching (Semester Plan)

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| Subject Name: Civil Engineering Drawing-I (CAD) |
| Subject Code: 66431 |
| Semester : 3rd , Shift: 1st & 2nd |

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| T | 1 Nos theory class per week |
| P | 6 Period practical class per week |
| C | 3 Credit hour & 1 Credit 50 Mark |

| Week | Theory Content | | Learning Materials | Practical Job No | Practical Content |
|------|------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|
| | Specific Objectives | | | | Practical Name |
| 1 | Understand the basic principles of isometric view. | 1.1---1.4 | MARKER PEN, WHITE BOARD, MULTIMEDIA CONTENT & YOU TUBE CONTENT | 1 | Introducing to different equipment which is required to perform practical class and application of AUTO CAD Soft ware. |
| 2 | Understand the components of a single storied building. | 2.1---2.2 | | 2 | Expt No:- 01 Prepare isometric drawing. |
| 3 | Understand the components of a single storied building. | 2.3---2.4 | | 3 | Expt No:- 02 Prepare drawing of a single storied building. |
| 4 | Understand the use and necessity of code and symbols in drawing. | 3.1---3.5 | | 4 | Expt No:- 03 Apply different types of code in civil engineering drawing. |
| 5 | Understand the significance of detail drawing. | 4.1---4.2 | | 5 | Expt No:- 04 Apply different symbols in civil engineering drawing. |
| 6 | Understand the significance of detail drawing. | 4.3---4.5 | | 6 | Expt No:- 05 Construct the drawing of different kinds of floor. |
| 7 | Understand the features of pile. | 5.1---5.4 | | 7 | Expt No:- 06 Prepare detail drawing of brick spread foundation and RCC footing. |
| 8 | Understand the features of road | 6.1---6.5 | | 8 | Expt No:- 07 Prepare the detail drawing of pile and pile cap. |
| 9 | Understand the features of doors and windows. | 7.1---7.4 | | 9 | Expt No:- 08 Prepare the detail drawing of road. |
| 10 | Understand the features of trusses. | 8.1---8.4 | | 10 | Expt No:- 09 Prepare detail drawing of doors and windows (wooden/steel/aluminum). |
| 11 | Understand the functions and uses of different CAD commands. | 9.1---9.3 | | 11 | Expt No:- 10 Prepare detail (working) drawing of wooden truss. |
| 12 | Understand the functions and uses of different CAD commands. | 9.4---9.6 | | 12 | Expt No:- 11 Prepare working drawing of steel truss. |
| 13 | Understand the functions and uses of different CAD commands. | 9.7---9.9 | | 13 | Expt No:- 12 COMPUTER AIDED DESIGN (CAD) |
| 14 | Understand the functions and uses of different CAD commands. | 9.10---9.13 | | 14 | Expt No:- 13 Prepare the drawing of plan, elevation and section of a single storied building using CAD |
| 15 | REVIEW CLASS | | | 15 | Expt No:- 14 Prepare the drawing of plan, elevation and section of a single storied building using CAD |
| 16 | REVIEW CLASS | | | 16 | REVIEW CLASS |