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

Subject Name: Surveying-I	
Subject Code: 66432	
Semester : 5th , Shift: 1st & 2nd	

T	2 Nos theory class per week
P	3 Period practical class per week
C	3 Credit hour & 1 Credit 50 Mark

Week	Theory Content — Specific Objectives		Learning Materials	Practical Job No	Practical Content — Practical Name
1	The concepts of surveying. The basic principle of chain surveying.	1.1----1.4	MARKER PEN, WHITE BOARD, MULTIMEDIA CONTENT & YOU TUBE CONTENT	1	Introducing to different equipment which is required to perform practical experiment.
2	The main instrument used in chain surveying.	2.1----2.7		2	Expt No:- 01 Conduct a chain survey of a field.
3	Use optical square. Procedure of chain surveying.	3.1----3.6		3	Expt No:- 02 Calculate the area of map with the help of planimeter.
4	Measuring offset. The booking procedure of field book.	4.1----4.7		4	Expt No:- 03 Identify the different instruments and accessories required in compass survey.
5	Chaining across obstacles. Errors in chaining.	5.1----5.4		5	Expt No:- 04 Measure magnetic bearing by prismatic and surveyors compass.
6	Chain survey map. Different methods of computing areas.	6.1----6.4		6	Expt No:- 05 Identify the different instruments and accessories required in plane table survey.
7	The methods of calculation of area from a given map.	7.1----7.5		7	Expt No:- 06 Locate the position to point with the help of plane table.
8	Understand about small instruments. Basic terms used in compass surveying.	8.1----8.7		8	Expt No:- 07 Plot the map of a place by radiation, intersection and traversing.
9	Conversion of bearing. The procedure of compass surveying.	9.1----9.4		9	Expt No:- 08 Locate the position of the instrument station of the plan of the plane table by solving three point problem.
10	Basic concept of plane table surveying.	10.1---10.7		10	Expt No:- 09 Locate the position of the instrument station on the plan of the plane table by solving three points problem.
11	Basic concept of cadastral survey.	11.1---11.7		11	Expt No:- 10 Calculate the area from a map with the help of planimeter graphically and analytically.
12	Basic concept of cadastral survey.	12.1---12.6		12	Expt No:- 11 Enlarge a given map up to the desired size with the help of pantagraph.
13	Identify the boundary of property.	13.1---13.4		13	Expt No:- 12 Reduce a given map up to the desired size with the help of pantagraph.
14	Identify the boundary of property.	13.5---13.7		14	Expt No:- 13 Measure the area of a plot from mouza map.
15	REVIEW CLASS			15	REVIEW CLASS
16	REVIEW CLASS			16	END OF THE SEMESTER