

## Class – VII

### Lesson Plan

#### Subject : Mathematics

#### Topic:- Data Handling

**Brief Description of the lesson: Students will learn** collection and organization of a data, , Measures of Central Tendencies – Mean Mode, Median, plotting of bar graph, double bar graph, chance and probability.

#### Objectives:

##### I - Specific Objectives:

To enable the students to

- (1) Collect and organize data.(K)
- (2) Make frequency distribution table.(U)
- (3) Calculate: Mean, Mode, Median and Range (A)
- (4) Draw and interpret different types of bar graphs. (A)
- (5) Understand the concept of chances and probability.

##### II - Behavioral Objectives:

- (1) Find the situation that : where mean, mode, median would be used
- (2) Correlate the acquired knowledge with day to day life Activities

#### Activities :

##### ACT 1

Students will be asked to collect data of heights of students in their class and plot a bar graph.

##### ACT 2

Students will be asked to collect data of runs scored by 2 teams in IPL final match during power plays.

## **ASSESSMENT:**

**A1** Students will be asked to plot double bar graph for comparison of boundaries during last 5 overs (46-50 overs) of world cup 2011 between India & Shrilanka.

**A2** To draw a bar graph of number of family members of any 5 families in their society.

### **Expected Learning Outcomes**

Students would be able to

- Arrange and organise data
- Differentiate measures of central tendencies: Mean, Mode, Median and Range
- Draw and assess different types of bar graphs
- Solve problems based on different situations.
- Differentiate Raw data and organized data

### **PLACEMENT OF OBJECTIVES**

	<b>Knowledge</b>	<b>Understanding</b>	<b>Application</b>	<b>Analysis</b>	<b>Synthesis</b>	<b>Evaluation</b>
<b>Objectives</b>	<b>S1</b>	<b>S1, S3</b>	<b>S2</b>	<b>S4</b>		
<b>Activities</b>		<b>ACT 1</b>		<b>ACT 2</b>		
<b>Assessment</b>			<b>A1, A2</b>			