8) Sample:

The sample will be drawn from the population of students taking college education in Mumbai (west) city. Age of the respondents was 18 to 25 years. Care will be taken not to include students acting and painting skills.

There researcher would be choosing sample from the population and the effective sample size will be decide 200 in which 100 students (50 males & 50 females) would be having high emotional intelligence and 100 students (50 males & 50 females) would be having low emotional intelligence.

The primary sample consists of 450 students. They were administrated the emotional intelligence scale and locus of control scale. After the completion of the test the experiment of recognition of emotions from facial expression will be conducted on each subject one by one.

Table 3.1: Gender wise and emotional intelligence wise distribution of effective sample.

<table>
<thead>
<tr>
<th>Gender</th>
<th>High E.I.</th>
<th>Low E.I.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>50</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Female</td>
<td>50</td>
<td>50</td>
<td>100</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>200</td>
</tr>
</tbody>
</table>

9) Research Design:-

In this study 2x2 factorial design will be used. It is shown in table No. 3.2.

Table No. 3.2: Factorial Design 2x2 ANOVA.
From the above sample the subjects who have internal locus of control and who have external locus of control will be selected and the effect of locus of control will be studied.

10) **Statistical Treatment of Data:**

At the first stage the data will be treated by mean and standard deviation. At the second stage data will be treated by three way ANOVA finally an orthogonal comparison test will be applied to analyzed the data and search whether the inter group mean differences are significant or not.
11) Tools:

1. **Emotional Intelligence Scale (E.I.S.)**

   The E-I Scale was developed by Hyde, Pete and Dhar (2001). It contains 34 items. Ten factors of emotional intelligence are included in this scale. **Five alternatives are:**

   1. Strongly Agree  
   2. Agree  
   3. Uncertain  
   4. Disagree  
   5. Strongly Disagree

   **Reliability:**

   The reliability of the scale was determined by calculating reliability coefficient on a sample of 200 subjects. The split-half reliability coefficient was found to be 0.88.

   **Validity:**

   Besides face validity as all items were related to the variable under focus, the scale has high content validity. It is evident from the assessment of judge/experts that items of the scale are directly related to the concept of Emotional Intelligence. In order to find out the validity from the coefficient of reliability (Garrett, 1981), the reliability index was calculated which indicated high validity on account of being 0.93.

2) **Locus of control scale:**

   Locus of control scale was constructed by Dr.N.Hasnain and Dr. D.D. Joshi. It content 36 items measuring internal and external locus of control with the help of three alternatives. In this scale positive and negative item are included. Positive items are measuring internal and negative items are measuring external locus of control. The reliability of the scale is 0.55 and temporal stability is 0.76 and validity of this scale is 0.76 ,which is satisfactory.

**Procedure:**  a) **Actual Procedure of data Collection:**

   The principals and lecturers of the various colleges will contact and explained the purpose of data collection. Data collection schedule will prepared with their consent. Every student was asked to fill in the student's information sheet on the first page of each test which
included the full name, gender, age, class, parent’s occupation, caste, monthly income of parents, name of the college etc. The researcher confirmed that the students had filled in all the items of student's information correctly.

After completion of tests, the experiment of recognition of emotions from facial expressions was conducted on each student.

The detail of the experiment is as under:

**Apparatus:** A set of photographs, which contains 20 emotions, the list in which the emotions are mentioned randomly result sheet, sheet.