**Practical -2**

**Aim: To prepare a problem statement with description of the project you decided**.

**Theory :**

The first phase of requirements engineering begins with requirements elicitation i.e. gathering of information about requirements. Here, requirements are identified with the help of customer and existing system processes. So from here begins the preparation of problem statement. So, basically a problem statement describes what needs to be done without describing how.

**Note:** The questions given here are supposed to be ask by students to themselves. Because asking such questions will get them the idea of software to be developed. Make sure that you are not supposed to write description of your problem by providing the answers of these questions. Think of the answers, write the points in some temporary space, discuss them with your partner and then compile the notes in paragraphed manner.

1. What actually your system is?
2. Why you want to develop this system? Who will be benefitted by making the use of that software? Purpose for the development.
3. Who will be the targeted audience/users of your software solution? Who will be your users and stake holders of the system? Types of users (not number of users)? Roles and responsibility of the users? Objectives of the development.
4. What set of functionality you are supposed to provide? Categorize the functionality by types of users?
5. Detailed discussion on features... How the features will work? What inputs and outputs are required for each functionality/features?

**For Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| **For Simple User** | **For Manager**  **(Production, sales, marketing etc.)** | **For Board of governors, directors etc.** | **For Employees of the company** |
| Feature 1:  Feature 2:  Feature 3:  …  Feature n: | Feature 1:  Feature 2:  Feature 3:  …  Feature n: | Feature 1:  Feature 2:  Feature 3:  …  Feature n: | Feature 1:  Feature 2:  Feature 3:  …  Feature n: |

1. What are basic hardware/software requirements of the software? (Recommended and Minimum)

**It might be possible that all above listed questions may / may not be relevant for the problem you decided. So in that case you can safely ignore such questions.**