# Chapter 2: Analysis

2.1 Introduction to analysis:

Analysis is the process of studying something in an organized way to learn more about it. It is the process of evaluating data or information, by breaking it into different part and understanding its cause-effect relationship. Analysis is important for any kind of project because, it helps to set certain goals and objectives for what a project planner is trying to do and why he/she is trying to do and if they are trying to solve the problem, analysis can also help on deciding how can they solve them? The purpose of analysis in this project is to identify:

1. Description of Problems.
2. Performance requirement.
3. Hardware requirement.
4. User requirement.
5. Functions to be included in project.

2.2 Analysis Methodology:

I will choose Soft approach analysis methodologies for this project. This approach is more people focused which considers that user interaction is as important as technical consideration. As my project is focused on people living in certain area, Soft approach methodology helps when user, social, political and cultural issues is to be considered. I must satisfy user expectation which can only be done with the help of Soft approach analysis methodology.

Steps taken while following Soft approach analysis methodologies are:

1. Development of Rich picture of Project.
2. Root Definition of Project.
3. Production of Conceptual Model of Project.
4. Comparison of Conceptual Model with actual Project

**2.3 Feasibility study:**

Feasibility study is the study performed in order to evaluate whether an action taken for the project's succession make sense or not, from an economic and operational point of view. Feasibility study is not similar to business plan because it provides investigation to planning function and provides reason for being viable or not. Feasibility study is mostly performed to minimize the cost, while working on new decision. The type of feasibility I have performed for this project are:

1. **Technical Feasibility:**

**As I am introducing new project, technical feasibility will help me to determine whether my project is technically viable or not. There are many other similar projects in market but none of them have provided customer satisfaction. So, I will try to satisfy customer by developing my product with new functionality.**

1. **Market Feasibility:**