**Requirement Gathering and analysis**

**System Analysis**

**The Analyst who carries out the system analysis must know what information to gather, where to find it, how to collect it, and what to make of it. The proper use of tools for gathering information is the key to successful analysis. The tools used are the traditional**

**1) Interview 2) Questionnaire 3) On-site observations**

**The method choosed for this project is interview because we need the information from users on what all features can be included in a tutorial website, what all information is unnecessary and what all is lacking in the currently available tutorial websites.**

**The people interviewed for this project are students who have visited or has visited these websites, content developers who have probably worked on similar projects.**

**We are also including information about features for this website by visiting other similar websites and also analyzing the reviews about these websites by its users. The websites whose reviews by users are taken into account for this project include Byju's learning app, Unacademy's website (www.** **unacademy.com), W3Schools (www.w3schools.com) and Khan Academy(www.khanacademy.org).**

**We are not including the method of on-site observation as it difficult to find people using such websites in our surroundings. The method of questionnaire was also excluded because the amount of people available to us who have used tutorial websites was less and an interview with them was possible. Also validity of questionnaire is less compared to interview.**

**Interview**

**Interview is a face to face interpersonal role situation in which a person called the interviewer asks a person being interviewed questions designed to gather information about a problem area. This is the oldest and most often used device for gathering information in systems work. It can be used for two main purposes 1) as an exploratory device to identify relations or verify information and 2) to capture information as it exists.**

**Requirements:**

**With the availability of internet people are progressively using tutorial websites to learn subjects. Users of internet who are trying to learn subjects through tutorial websites are looking for sites that are simple and explain things to them easily and properly. Some of the key features users are interested or looking for are:**

1. **Less data consuming: most sites require a high speed internet and a big data plans as they use up lot of the users internet data.**
2. **Video quality: many websites and apps like Byju's learning app do not allow the user to control video quality. This usually result in videos loading at poor quality as the video quality changes frequently based on the internet speeds.**
3. **Search bar should be provided to search the contents of the website.**
4. **Should not be overcrowded with advertisements.**
5. **Provide switches to go from bottom to top, and links to other websites to read more.**
6. **Provide options to convert language, provide feedback, post complaints, ask questions, view most viewed or attended topics/courses etc.**
7. **Provide facilities for online tests, links to give info about keywords, etc.**
8. **Provide attractive interface to users.**
9. **Create website that is compatible with most devices.**
10. **Should load faster, should be able to make notes or video offline.**
11. **Admin should be able to add videos view users, view videos and content accepted by inspector and accept donations.**
12. **Inspector should be able to view contents provided by admin and make sure it is relevant and if necessary should be able to add to website and else should be able to remove those.**
13. **Students should be able to view courses see their progress, attend tests. To create interest in students badges can be made given based on their progress.**
14. **Log sessions of course for student: It is very useful to the student if whatever the student has learned until then are recorded and shown to the user in his dashboard for this each time the user logs in and learns something it should be recorded and progress of a user in his course should be shown.**

**About content and class:**

* **Should provide examples, should be useful to both students and experts.**
* **Content should be reviewed to avoid errors**
* **Videos or content with similar theme and content should not be posted.**
* **Classes should be provided in native language, should use simple language, understandable accent, proper background etc.**
* **Live classes and ability to ask questions.**
* **A glimpse of what is being covered should be given at beginning, followed by detailed explanation.**