

Batch: _____ **C3** _____ **Roll No:** _____ **16010121208** _____

Exp No: 1

Title: Define the Problem definition and Scope of the mini project.

Objective:

To understand the process required for defining the problem and scope of the project

Expected Outcome of Experiment:

Course Outcome	After successful completion of the course students should be able to
CO 1	Understand the requirements for problem definition and scope.

Introduction:

Describe the need of this stage in project

This stage helps us in identifying a real world problem which we can solve with the knowledge we gain in our engineering.

It helps us to contribute for the growth of our community.

It also helps us to concretise the problem into proper English sentences so that we can solve them with lesser ambiguity. It is where the foundation of future work is laid and is equally as important as the development phase.

After referring the sample please furnish the details about your project:

Project Title: Library Management System

Team Members :

1 Mr X

2 Mr y

3 Ms Z

Scenario:

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These days most of the libraries are having number of resources such as books, journals, cds, magazines, kindle etc. for the various users such as librarian, administrative staff, faculty and students it is difficult to search a resource check availability of the same.

Problem Definition: Difficulty in searching, issuing, returning buying resources for library

Objective:

To provide a system supporting features for searching, issuing, returning buying resources for library

Scope:

- Only software is to be developed for the purpose mentioned above.
- Give training to various users.
- Maintain the system and fix the bugs and upgrade upto ONE year after commissioning
- Procurement of hardware for using the system is **OUT OF SCOPE** of this project.

Title of Mini Project: < To be filled in by the student >

Team Members: < To be filled in by the student >

1. Aditya Ved
2. Abhishek Gupta
3. Rugved Palodkar

Scenario in the real world for which you are proposing a solution:

We as juniors always wish to have some sort of guidance from our seniors relating to the subjects that we are going to encounter in our upcoming semesters.

Guidance can be about what are the best resources to study a subject from, some sort of short notes , access to textbooks , college notes , recommendation of online courses etc.

But our juniors still don't have access to a centralised website where they can look upon for such guidance for starting their engineering studies.

Some curious students who want to start their learning in the vacation have to wait for the semester to start and reference materials to be shared.

Even our seniors do not have a centralised place to share their guidance. Few create their own google drive to share resources but these drive links are scattered and limited to only few students and plus there is no ratings or review for these guidance, materials and notes.

This is the real world problem which we are trying to solve through this project.

This platform will empower students to achieve more in less time as they will not have to go through the same mistake their seniors made.

Problem Definition: < Please write only the problem faced and do not suggest a solution here >

Create a centralised website for students of KJSCE where they can upload their notes, textbooks, links of online courses they referred to and post their general acquaintance with the subject they had.

The students will also be able to give their ratings and reviews for the resources and guidance upload on the website.

Scope of the project: < what is included in your solution and also mention what is NOT included>

Name of our project will be : KJSCE Students Study Resource (KSSR) platform.

In this a student can refer to the kjsce notes, notes uploaded by seniors , links to various websites, guidelines, past papers etc.

So a student will find all the studies related content in a single website.

Seniors can also upload their notes and share their learnings on this platform.

Students can also rate various notes and write their reviews, making it easier for the new comers to learn from those sources.

They can find the resources and ratings of each resource in a centralised data base which can guide them to start their journey correctly.

This is how the entire student community will get benefited from this web app.

In this we are not making a provision for study resources for all the branches and all their semesters.

We are initially starting with FY study material which is common for all branches so that maximum students are benefitted from this. If time permits then we can expand this application to higher semesters of various branches.

Motivation for working on this project :

We really wished that if we were students, we would have highly appreciated a website like this. That's why we are creating this website.

Post Lab Activities (with reference to your tool):

1. Why are you needed to define problem?

Defining the problem is an essential step when creating a web application because it helps to clarify the purpose of the application, identify the needs of the target audience, and determine the scope and requirements of the project.

Defining the problem statement invokes critical thinking which makes us deeply understand the following points :

- What is the problem you are trying to solve?
- Who is the target audience?
- What are the key features and functionalities required?
- What are the constraints and limitations?

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By defining the problem at the outset, you can create a clear roadmap for the project, make informed decisions, and ensure that the final product meets the needs of the target audience and solves the problem effectively.

By defining problems properly, we make them easier to solve, which means saving time, money and resources.