**RBS**

**Feasibility Study**

* How would the organization cope if this system was not implemented?

If the system was not implemented all the communication between room owners and customer to rent room , and the data are stored in daily records and registers and the customers need to come to the hotel or a place and searching for room which is a time-consuming process and sometime may not get a room based on the customers .

* What are the problems with credit processes and how would a new system help alleviate these problems?

Usually there is a lot difference in credit process and traditional process, the security concern about credit process is usually a risk involved task because the transaction is online and an interruption can fail the transaction and can be loss of money. In the new system the payment is done through is bank gateway and the account details are linked with the particular customer mobile number.

* What direct contributions will the system make to the business objectives and requirements?

The system is going to make things a lot simpler. The customers can search rooms based on his/her needs and the room owner can register / provide his rooms details for a wide advertisement. Once a customer is registered in the site then can rent rooms in the site by using different search criteria .

* Does the system require technology that has not previously been used in the organization?

The system will be using data mining techniques to provide user a better experience. It also a new technology provided in this system. And provide API support.

* What must be supported by the system and what need not to be supported?

System will support online room renting and payments. The system will not support credit processes.

**Technical Feasibility**

* Does the organization have the technical capabilities and resources to undertake the project?

Exactly the web site or the application not only for a particular sysytem or an organization the application combine different organization together to perform particular task (room renting) , the system will be implemented as a web application. We already have been different organization having web sites. And we already acquired the capabilities and resources to work on such projects.

* Determine whether the relevant technology is stable and establishes

We use php 7.2 and laravel frame work as the backend of the software. PHP is a well-established server-side scripting technology. As the DBMS we use MySQL and front end will be powered by bootstrap making the website mobile friendly.

**Operational Feasibility**

* Determine whether the problem anticipated are of high priority

It’s important. The manual process of finding a room in a particular area base on the user interest it might be really tiring and easily prone to mistakes. Building a system and leaving that process to automation will make system more efficient. Yes, the system will be off high priority.

* Determine whether the solution suggested by the software development is acceptable

Yes. Our solution is going to be implemented as a web application. It is convenient for users and room owners to access the application. It is portable. If hosted on a public server, can be accessed anywhere.

* Analyses whether users will apt to a new software

The user will apt to the new software. The reason is that it saves time and makes it more convenient to go the hotel/lodge/paying guest etc... and get the services. The other user (room owners) get wide range advertisement about their room facilities.

* Determines whether the organization is satisfied by the alternative solutions proposed by the software development teams

The organization is satisfied by the solutions. But there is a chance that they would come up with new requirements. The team has to be ready to accept that make necessary changes.

**Economic Feasibility**

* Cost incurred on software development to produce long-term gains for an organization

The investment in the project is minimum. No overheads will be added to the organization. So, the project will lead to long term gains for the organization

* Cost required to conduct software investigation (such as requirements elicitation and requirement analysis)

The cost required to conduct software investigation is manageable. The team has to meet up with members and users to find their problems and needs. Then to identify the technology required to meet it.

* Cost of hardware software development teams and training

The investment should be done to develop the software. But additional training is not required for the users of the system. Since people with minimum knowledge in the computer will be able to handle the system. The system would be simple and user friendly.