Infrastructure Management Report

Software Engineering Project

-- For Prof. K. Chandrasekaran

Submitted By

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# Brief Idea

Infrastructure Management software can be used for administration of institutions with huge campuses, having various facilities and vast area to manage. The software can be used to effectively handle and facilitate the members of the institute to use the facilities.

Our software has two types of roles, user and admin, where user can request booking of some room or location along with the required assets and admin can approve according to availability. Admin can also keep track of various assets and charge fine in case of late submission.

Suppose we take an example of college like NITK. NITK has many class rooms, seminar halls, labs, discussion rooms, etc. It also has many assets which include computer systems, CNC machines, microscopes, benches, etc. All these things can be booked and tracked by the users like students or teachers according to the authorization. A user can request for a booking and admin can either approve or disapprove accordingly.

## Work envisaged for lab

We will follow the below stages for our project in the lab:

1. To identify the process model suitable for development.
2. Design domain model, ER diagrams and DFDs.
3. Create SRS and FRS.
4. Design UI/UX.
5. Implement of high level design
6. Reimplementation of the same with proper changes.
7. Testing and Debugging