# Residential Automation System

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|  | **NAME** | **DATE** |
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| **Proposal Evaluation Committee Comments/Approval** |  |  |

**Project Domain / Category**

Web based Application

**Abstract / Introduction**

Develop in automation system for residential Units like towers that have multiple flats in which tenants are leaving there on rental basis. All the operations performed in those residential towers need to be automated. The traditional operations performed by the manager of the tower are to register the tenant and assign a particular flat or room. Collect Rents from those tenants on monthly basis. Apart from that manager pay the utility bills from the income and also calculate the expenditure like salaries paid to the sweepers and watchman etc. All those activities need to be automated in the form of a web based application.

The monthly income should be distributed among owners and data should be stored in the data storage Unit of the web application. There should be two dashboard one for the internal users like manager owner and other dashboard should be used for the clients or tenants so that they would see their rent detail when they pay the rent.

**Functional Requirements**: Provide a bulleted list of functional requirements

1. Flat and room detail registration in the system
2. Register Tenants those customers who are interested to get flats or room on rent
3. Assign flats to the tenants which are vacant
4. Register employees working in that residential tower like sweeper watch man manager etc
5. Register owner detail of the residential tower
6. Collect monthly rent from the tenants
7. Daily expenditure forms
8. Calculation of income
9. Share income with the owners if there are multiple owners

10.Two dashboard one for tenants and other one for owners and managers

**Tools**: PhP language, My Sql Database, XAMP Server

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