

**FEASIBILITY STUDY**

**REPORT**

**<Project Title>**

Home Automation System

**<submitted by>**

Group Number # 32

**<Client>**

Dr. Mansoor Ebrahim

**<Submitted to>**

Dr. Mansoor Ebrahim

**<Github Repository Link>**

https://github.com/Muhammad-Rujail-hamza-Shaikh/IOT-BASED-HOME-AUTOMATION-SYSTEM.git

* **Process to be followed, e.g., iterative refinement, agile, modified waterfall model, phased development, etc.**

The process that will be followed is V model that is an extension of the waterfall model. In this model, the processes can be occurred in a V shape and can be verified and validated. The testing can be conducted for each development stage and the relation between testing and development stage can be defined. The horizontal and vertical axes refers towards time or project and level of abstraction respectively.

* **Outline plan, showing principal activities and milestones.**

The outline plan that shows principal activities of the project refers towards the main aspect which helps in developing a product. So, the principal activity in our project (home automation) is Arduino and Google Assistance. In addition, milestones refers towards a specific time or event to which the deliverables must be given to the client. Hence, this project has certain milestones that are given below:

