

Laven India – Smart Home Solutions

Project Charter

Local Device Communication Upgrades

9/16/19

Laven India – Smart Home

Amaravati – Andhra Pradesh, India

Contents

[1. Project Description 3](#_Toc333858467)

[2. Project Purpose 3](#_Toc333858468)

[3. Business Case 3](#_Toc333858469)

[4. Business Requirements 3](#_Toc333858470)

[5. Assumptions 3](#_Toc333858471)

[6. Constraints 3](#_Toc333858472)

[7. Risks 4](#_Toc333858473)

[8. Project Deliverables 4](#_Toc333858474)

[9. Project Milestones 4](#_Toc333858475)

[10. Project Manager 4](#_Toc333858476)

[11. Project Roles and Responsibilities 4](#_Toc333858477)

[12. Project Life Cycle Methodology and Tools 5](#_Toc333858478)

[13. Authorization 5](#_Toc333858479)

Note: This document is created upon concluding requirements gathering from all the departments, key stakeholders and project managers.  
  
Information regarding JAD sessions, Questionnaires, and Open ended interviews can be shared upon request.

## Project Description

We are working to increase the functionality of our flagship home automation service Aura® by developing an additional product to further enhance the ubiquity of our service. This project will focus on developing our switch panel Aura® integration as part of our overall initiative to increase our offerings.

## Project Purpose

The changes made to our line of products with Aura® integration will allow our users to easily replace common household hardware with those that communicate with their Aura® account. These products will our customers to further automate features of their current homes without investing a large amount of money in new products. It also helps in accessing Smart Home assistants like Google Home & Amazon Alexa remotely through Aura® Switch Panels.

## Business Case

This project will create an opportunity for our customers to further invest in our line of products and will allow us to continue to work towards our mission of offering a system that can automate all processes of homelife. We our hoping that this will help us capture a larger market share in the home automation space.

## Business Requirements

This project, part of our initiative to increase our product line, will require collaboration among many of our departments. This initiative will be the top priority of the research and development department, they will work directly with our marketing and user-experience departments to ensure a quality product will be developed.

## Assumptions

The timeline of this project will span across all four of our quarters of this year, therefore the overall project budget will be split up and distributed across all quarters once deliverables are met.

## Constraints

The constraints are as following:

* Getting permissions, licenses from third-party Smart Home Assistant providers like Google Home & Amazon Alexa to use it in a new and innovative way
* Developing Switch Panels with minimum possible hardware, to keep the price as desired by marketing department
* Updating the Mobile App (Android & IOS) with accessibility for new Aura® Switch Panels, but should keep up with strict file size

## Risks

* Given this product is entirely dependent on Third Party Smart Home assistants, there is a risk of being outdated, if the vendor changes specifications or no-longer supports the versions currently in place
* Given the product has strict hardware limit, there is a risk that the Smart Home Assistant performance is dropped over time with multiple upgrades
* Given the Aura® Switch Panel supports only the products from and after Series L, there is a risk of dissatisfaction from consumers that are using previous generations’ products

## Project Deliverables

* Product - Aura® Switch Panel
* Integrating the device into current Aura® eco-system of products
* Updated Mobile App (Android & IOS) - To accommodate the switch panel into the ecosystem

## Project Milestones

|  |  |  |
| --- | --- | --- |
| Milestone Date | Milestone Name | Milestone Description |
| October 15 | Requirement Finalization | Gathering and Documenting all the requirements & specifications required for development of the product. |
| November 5 | Permissions & Licenses | Permissions & Licenses from third party vendors (Google & Amazon). |
| December 25 | Design Approvals | The design and aesthetics of the Aura® Switch Panel must be finalized. |
| February 25 | Production | Product is now with all the required features. |
| March 30 | Integration | Product is integrated into the eco-system. |
| April 15 | Product Testing | Testing the functionality of the product. |
| May 20 | App Update | Updating the App to incorporate the new Product & its Features. |
| July 25 | Integration Testing | Testing the products integration into the eco-system |
| August 30 | Delivery | Delivering Product. |

## Project Manager

Project Manager: Keanu J. Reeves

Keanu has 17 years of experience in the IT industry with major involvements as a developer in many of the past IT software products of our company. In 2010 Keanu was assigned as a Junior Project Manager on one of the most successful projects this company has ever had. Keanu, in 2012, led the IOT based project to its destination with a success like no other. Keanu fosters an environment for teamwork and expresses the ability to shape the project as it needs to be and come out with flying colors.

Responsibilities of the Project Manager: Keanu, as a Project Manager, will possess authority for following tasks.

1. Activity and resource planning
2. Controlling time management
3. Setting deadlines and achieving them
4. Cost estimation and budget improvements
5. Risk management and risk control

## Project Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilities |
| Joe Black | Technical Lead | 1. Controlling and reviewing the technical aspects of the project.   Lead the team of developers through difficult parts and pitch in alternatives. |
|  |  |  |
| Tom Hanks | Testing Lead | 1. Lead the testing team throughout the projects to apply different testing methods.   Responsible for the consistency check of the product. |
|  |  |  |
| Krysta Maria | Senior Developer | 1. Feature integration.   Foresee challenges |
|  |  |  |
| Benedict Harper  Maya Smith  Kiari Cooper | Developers | 1. Writing code 2. Catching bugs   Error check and resolution |

## Project Life Cycle Methodology and Tools

The Project Management methodology that will be used is Agile. The project will be implemented in sprints with eventual planning, review and retrospection. SharePoint will be used for version control and shared sessions of progress updates in the project. LogicGate SaaS tool will be used for risk management. AuditBoard will be used to keep track of the workflow.

## Authorization

Provide the names of those business sponsors that must sign the Project Charter. Once the project Charter is signed by the project sponsors, the project is authorized to start.

Approved by the Project Sponsor:

Date:

[Project Sponsor]

[Project Sponsor Title], [Project Sponsor Organization or Division]

**This Project Proposal was created by Sai Krishna Bharath Nanduri for Management regarding Smart Home System’s Upgrade**