

**Project Deliverable 1**Project Definition

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**Presented To**

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**Project Definition for Ulo**

**Project Definition:**-  
The Company’s purpose is to introduce a new product that would stabilize the collapsing market and also increase the sales. Therefore, a modern security system, known as ‘ULO’ is introduced that will help the user to keep an eye on things in his absence. Many desirable features (observe/capture/record/live video) will be added to this product and owl like shape and life like animations that will catch the customer’s attention. The outcome will be a happy customer as his demand of keeping the environment secure will be fulfilled.

**Project Scope:-**Ulo is an hardware based application for people to provide modern security system for people concerned with security issues which includes live video, snapshots, follow movement, waterproof, LCD colors, recording video, Wi-Fi enabled camera and random animations that adds a spark of life making Ulo unique.

Ulo will be a cute looking surveillance camera, shaped like an owl that will have built in camera and motion sensors that will be used to communicate using its eye expressions. It will be a portable waterproof wireless device so it can be placed anywhere. It will be Wi-Fi based spy cam that will enable the user to see live videos, take snapshots and record videos through a web page.

Ulo will have random animations so that it will look life like. It will blink when the user will take a snapshot. It will follow the movements using its rotating camera which will be fixed as eyes of the owl (Ulo). Ulo will half close its eyes when its battery will be low.

This project should be completed in 1 year time and has a budget of not more than 10 Million Rupees. Team will work in 7 units and each unit will contain 20 persons including not more than 3 developers.

**Project Objectives:**-  
Ulo will be a flexible modern security system with easy setup and platform migration. It will be relevant to security and privacy concern of the client. This project supports business sales strategies of applying new technologies to sponsors and clients. It will be user friendly as it will deliver live video and email photo snapshots on demand while you’re missing out from any particular event. It will be more friendly and fun to use as its functionality includes blinking of Ulo when someone takes a snapshot. Moreover, it will be a WiFi-enabled surveillance camera following the movements with its googly eyes and squinting while someone is watching live video.

**Project Deliverables:**-

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| **Deliverables** | **Due Date** |
| Hardware Design | 15th November 2016 |
| Mobile App Design | 30th November 2016 |
| Web Page Design | 10th December 2016 |
| Final Version of Designs | 20th December 2016 |
| Ulo Device | 15th February 2016 |
| Mobile Application version1 of all platforms | 30th February 2016 |
| Web Application version1 | 30th February 2016 |
| Mobile Application v2 | 30th March 2016 |
| Web Application v2 | 30th March 2016 |
| Ulo Device v2 | 30th March 2016 |
| Field tested v3 | 30th April 2016 |
| Mobile Application v4 after more testing | 30th May 2016 |
| Ulo Device v4 after more testing | 30th May 2016 |
| Web Application v4 after more testing | 30th May 2016 |
| User Manual and Complete Documents | 30th June 2016 |
| Final Version | 30th July 2016 |
| Bulk Manufacturing | 15th September 2016 |

**Critical Success Factors:-**The following affects the Critical success factors of the project Ulo:

* If all the Heads of the working units do not agree on one decision about the product’s development and management.
* The product, Ulo is supposed to be based on Java platform and if the developers do not know how to work in java then the Critical success factor is affected.
* If the members of each unit are not skilled or experienced in deployment of the product.
* If there is no active involvement of staff members in providing with good suggestions for the success of the project.
* The project should have a specified starting date on which it should begin its working and if the project is delayed then then the Critical success factor is affected.
* If the project after its production is not properly endorsed in the market for the buyers to get an idea of the product.
* If the product is difficult to understand and the users are not satisfied.

**Assumptions, Constraints and Risks:-**

* Ulo will be completed in 1 year time.
* Ulo has a budget of 10 million rupees
* As Ulo will be waterproof, so it will be durable
* Ulo will run on all mobile platforms
* Ulo will be a user friendly application
* Ulo will be easy to setup.
* Ulo system LCD will respond within 100ms
* Ulo will not be able to communicate with other Ulo devices.
* Ulo will not be able to send anything without a Wi-Fi connection.
* Ulo will not be able to stick to the wall without magnet.
* Ulo will fall down and break if the magnet is not strong.
* Ulo will not be able to provide high quality video streaming if the Wi-Fi connection is weak.
* Ulo will be based on Java Platform Micro Edition (J2ME) built on top of Linux.

**Completion Criteria:-**When Ulo will be able to work on all devices, properly tested under different conditions and when there will are no bugs remaining, then the Ulo will be completed and ready to manufacture in bulk.