**PROJECT PHASE DESIGN - I:**

**Proposed Solution Template:**

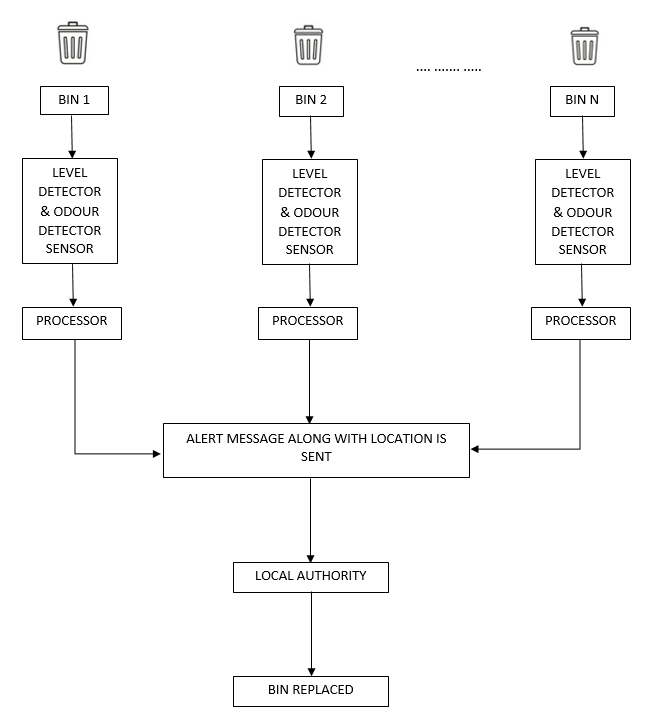
|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Due to lack of proper systems for disposal and collections, wastes and garbage’s end up in the roads and surrounding. With the existing methods of collecting and disposal it is near impossible to manage such amount of waste. |
|  | Idea / Solution description | The solution approached is to create a device for monitoring the garbage levels in the bin and alert the sector members when it is full. |
|  | Novelty / Uniqueness | Determining the weight of the garbage to provide accuracy in detecting the levels. In case if there is more amount of light weight waste, the system will indicate that the garbage is full(as it will only detect only the level according to the existing solution). |
|  | Social Impact / Customer Satisfaction | The response will be faster which in turn provides Customer Satisfaction. |
|  | Business Model (Revenue Model) | We will create a model regarding customer segments, channels(website), customer relationship, value propositions. |
|  | Scalability of the Solution | This will be more scalable as many projects were developed regarding this problem statement. |

**SOLUTION ARCHITECTURE:**

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Solution Architecture Diagram:**

****