

Project Design Phase-I
Proposed Solution Template

Date	06 May 2023
Team ID	NM2023TMID01199
Project Name	Smart billing system for water Suppliers

Proposed Solution Template:

The Proposed solution for our project “**SMART BILLING SYSTEM FOR WATER SUPPLIERS**” are tabulated below.

S.no	Parameter	Description
1.	Problem Statement (Problem to be solved)	1. Malpractices are occurred while billing. 2. Calculation errors, missing or misapplied payments and unrecognized charges on a statement. 3. Reaching offline customers who do not access the internet which makes the process difficult. These are the problem statements that we need to reduce.
2.	Idea / Solution description	To overcome the above problem, my solution is to create a regular charge that is made to people for the use of their local water supply and simplifies the process of billing by creating an automatic record of all bills and invoices. (An automated system based on paying water bills).
3.	Novelty / Uniqueness	Traditional billing system is not cost-effective to both water supplier and customer. Hence the uniqueness in this Modern billing system idea is 1. Cost-effective 2. Accurate results 3. Reducing man-power 4. Consumption of Time and Effort is low

		<p>5. Most flexible</p> <p>6. Establishing the good relationship between customer and water suppliers.</p>
4.	Social Impact / Customer Satisfaction	<p>Social impact:</p> <p>Water utilities are vital components of any community. Excessive water usage may lead to water scarcity. Increased water usage for domestic purposes like washing clothes, utensils, bathing etc., may lead to run-off of water. Hence, by providing the water for some amount of cost, people may aware to save it and use it efficiently.</p> <p>Customer Satisfaction:</p> <p>Proper billing process is achieved without any malfunctions and misleading by the suppliers. The flexible and trustable bill payment technique is created. This satisfies the customer who had face improper and inaccurate billing system.</p>
5.	Business Model (Revenue Model)	To create a model for managing a transactions such as creating the invoice and paying the bills of customers.
6.	Scalability of the Solution	<p>The major scalability, flexibility and agility of our project is</p> <ol style="list-style-type: none"> 1. It helps companies to improve performance and reducing errors by automating document preparation and other routine task. 2. The valuable resources they provide has a significant impact on the environmental, socio-economic health of individuals, families, business and industries they serve. 3. It uses SAAS (Software as a service) – reduce time, effort and calculated errors respectively.