Project Synopsis/Project Concept Document

Project number	**40**
Project Title	**Rainwater Harvesting: LeafCraft**
Document	**DASS Project Concept Document**
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Description
Problem Addressed to manage the Super Block projects:

1. *Preservation and conservation of the various water bodies by recording data relevant to the existing water bodies such as stepwells, borewells, dams etc.*
2. *Better organization of human efforts and monetary resources for the cause.*

Mapping of the various water bodies present in the states of Telangana and Andhra Pradesh, with special focus on the rural regions near Hyderabad.

The problem that is being addressed here is preservation of water bodies of varying levels.

Profile of Users

Admins (high Computer Literacy, less refined UI for the MVP: These people will handle the high-level view of conservational efforts, from the inception of the project till the completion. They will also be responsible for events and activities. Admins will oversee the approval of data submissions from the general users.

General User/Leachers (Low to medium Computer Literacy, Polished UI needed in MVP): These people will use the app and add and read the data for the nearby waterbodies that they encounter/ want to go to for filling water or such uses.

Surveyors/Seeders (Low to medium Computer Literacy – UI heavy app): These are a subset of the General User who is paid to go out and add data for various water bodies. We can elevate a general user to a surveyor if they add a lot of water bodies to the database.

Feature highlights
The Key Features of the Software Solution is :

1.   The Ability to add water bodies to a map based UI and certain defining characteristic data points of the waterbody which help in the analysis and aid in conservation efforts.
2.   The Ability to improve and aid in collaborative efforts for the conservational efforts between different project teams as well as general population.
3.   Increase awareness by conducting events which help in conservation and proper utilization of water bodies.

Usage Model and Diagrams