**Global Stewarts**

**Team Members:**

Varada J Madge (Mentor)

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**Technology Used:**

Tech Slack

Front end: Flutter

Backend: Firebase/ IBM Cloud Storage

ChatBot: IBM Watson

**Goal:** To build a user-friendly application for farmers and create a bridge for them to connect with the Agri-fiber Industry directly

Application Name: *Farmily*

The application will help the farmers to get connected to the Agri fiber industry directly. Agri-fiber is the left-over residue after the crop is cut. It is a green building product that is stronger, lighter and less expensive than other mineral cores and is used as a replacement of wood.

The application will benefit four strata’s:

* Farmers
  + They can sell the waste crop residue
  + They can make money
  + There won’t be any need for land fill or burn the residue
* Environment
  + Significant decrease in pollution as it does not involve burning of crop residue
  + Replacement of wood
  + Reduction in land fill problems
* Industry
  + Can provide eco-friendly solution directly to the farmers along with the crop residue data
  + Availability of crop residue at economical prices
* Common people
  + Benefit from an economical, waterproof, termite resistant replacement to wood

**User process/Salient features**

* The platform gives a brief description of the features the farmers will be provided with and how they can make use of them
* Farmers will be required to enter their contact numbers or email id to register to the app
* A 6-digit OTP will be received to verify their contact information for registration confirmation
* The interface will provide the option to farmers to fill in the type of waste they have to search to find the relevant buyers
* The app will locate the nearest buyers who would be interested in buying their residue
* The information of buyers and/or industries will appear, and they can choose out of the options provided
* This application is embedded with google map to provide the location of the buyers/industries to make is easier for the farmers
* A chat window has also been provided for ease of communication; the farmers can chat over the app with the available buyers before deciding
* The buyers/industries of interest can also be saved if the farmers want to operate the app later. The progress can be resumed in the future.
* After selecting the buyer, the farmers will be directed to the cart for submission
* The app interface is illustrative and easy to comprehend even for farmers