Ideation Phase Brainstorm&IdeaPrioritization Template

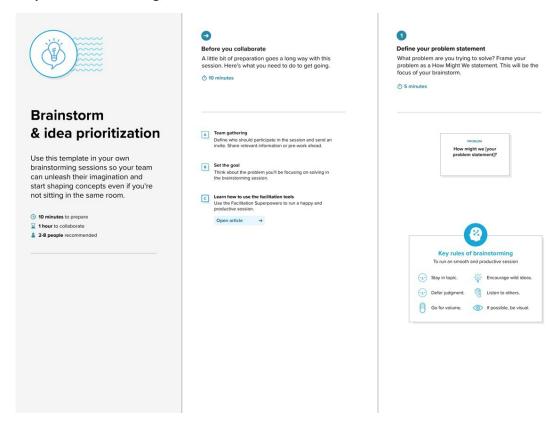
Date	25 September 2022
TeamID	Team-592145
ProjectName	Deep Learning Model For Detecting Diseases In Tea Leaves
MaximumMarks	4Marks

Brainstorm & idea prioritization:

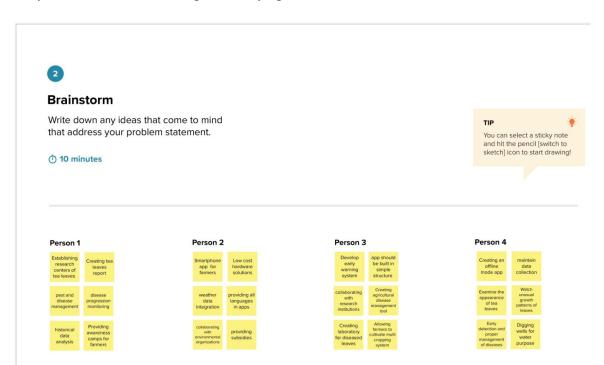
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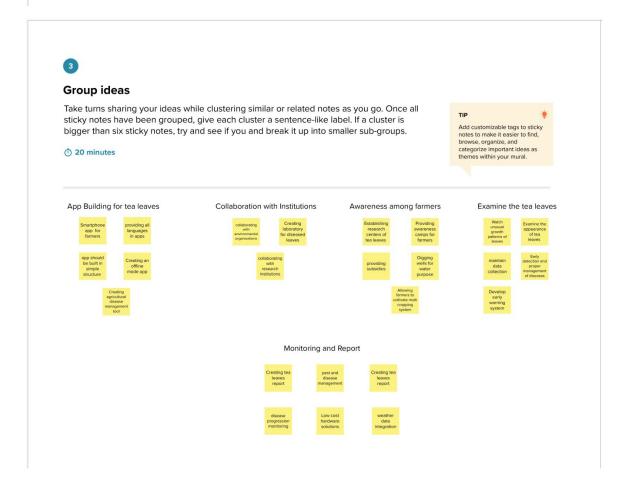
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Step-1: Team Gathering, Collaboration and Select the Problem Statement

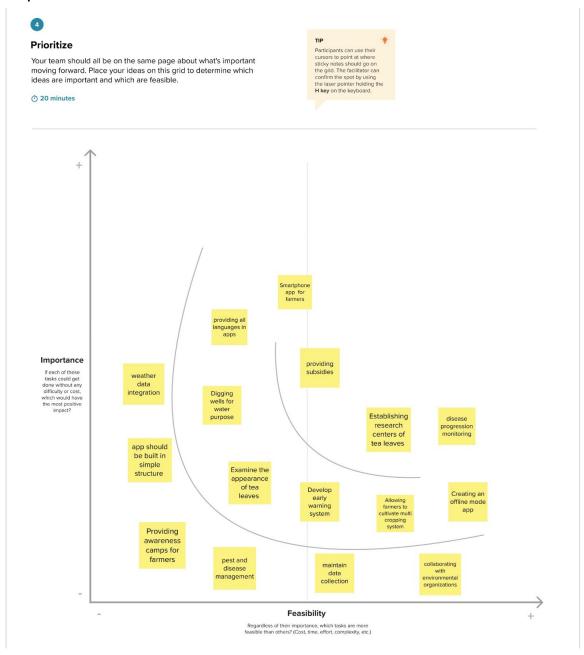


Step-2: Brainstorm, Idea Listing and Grouping





Step-3: Idea Prioritization



High Priority: The primary focus should be on developing an effective disease detection algorithm, the other most critical aspect is the selection and training of the deep learning model. This could involve traditional image processing techniques using an appropriate model like Convolutional Neural Networks (CNN) for image recognition tasks, such as color analysis, texture analysis, and shape analysis. It's also crucial to consider the accuracy, precision, recall, and F1 score of the model during evaluation. The algorithm should be able to accurately identify common diseases from images of tea leaves, also building the research centers depending on the crop yield area of tea leaves ,this can improve the awareness and skills about tea leaves farming.

Medium Priority: The next priority is implementing this algorithm into a user-friendly mobile application. The app should allow users to easily upload or capture images of their tea leaves and receive a quick and accurate diagnosis. It can become very user friendly when we have it in the offline mode so it can work in any environmental weather regardless of mobile signals which is very helpful for farmers when they are examining the pictures in any field/area along with the local languages identified by the gps location. This mobile application also provides information about the identified disease and possible treatments, it can also keep updating the reports ,if possible it will give the early warning messages as their requirements.

Low Priority: Lastly, attention should be given to educating the users and marketing the app. Users need to understand how to use the app effectively and capture good quality images for analysis, to make it possible the mobile application will be made in a simple structure. The organizations will be built and collaboration with the environmental organizations in the surroundings areas to bring awareness and helping the marketing strategy in reaching out to potential users, which are likely to be tea growers and agricultural scientists. This applications will share about the weather integration data and it keep upto- date about pest management to farmers and maintains the data and it secures the collected data.