

Date : 29 April 2023  
Team ID : NM2023TMID11987  
Project Name : deep learning model for detecting diseases in tea leaves

Maximum marks : 4 marks

### Empathy Map Canvas:

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

It is a useful tool to help teams better understand their users.  
Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.

## Empathy map

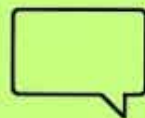
### Says

What have we heard them say?  
What can we imagine them saying?

We are going to purpose a unique idea to detect and classify diseases in tea leaves by incorporating deep learning techniques

Most leaves tend to have a hairy underside and they usually grow to between 5 and 10 cm in length

The tea plant's leaves are dark green with serrated edges and a pointed tip



deep convolutional neural network is utilised in this study to identify infected and healthy leaves as well as to detect illness in afflicted plants



Detection of the diseases of tea leaves at early stages can reduce the damage of tea output

Tea leaf diseases direction and identification based on CNN

Convolutional neural network can. Automatically extract the features of diseased tea leaves in the images

CNN is one of the methods to detect whether the plant has a particular disease by taking a picture of the plant leaves & feeding it to a model to know the results



It is recommended to predict the plant diseases at the early stage in the field of agriculture is essential to get as the food to the overall population

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### Thinks

What are their wants, needs, hopes, and dreams? What other thoughts might influence their behavior?

Photos are used to train the model and output is determined by the input leaf

CNN does have obvious advantages or identifying tea plant diseases

### Does

What behavior have we observed?  
What can we imagine them doing?

### Feels

What are their fears, frustrations, and anxieties? What other feelings might influence their behavior?