

What are they hearing second-hand?

They hear about

the potential

benefits of deep

learning in

image

classification.

WHO are we empathizing with?

Who is the person we want to understand? What is the situation they are in? What is their role in the situation?

Farmers, agricultural professionals, and individuals involved in the food industry.

Conversations

about the need for

more efficient and

accurate systems in

agriculture and the

food industry.

or users inventory

Sy**stem** administrators responsible for management.

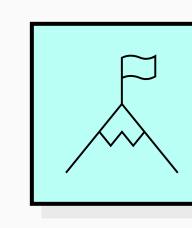
GOAL

What do they need to DO?

What do they need to do differently? What job(s) do they want or need to get done? What decision(s) do they need to make? Implement a deep ill we know they were successful?

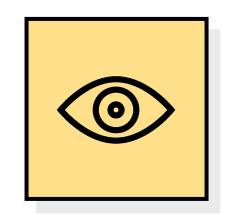
learning-based vegetable image classification system using CNNs.

Integrate the



developed system into their existing processes for improved efficiency and accuracy.

> **Existing** challenges and inefficiencies in the current methods of classification.



What do they SEE?

What do they see in the marketplace? What do they see in their immediate environment? What do they see others saying and doing? What are they watching and reading?

The need for a

reliable and robust

system that can

automate and

enhance their tasks

in agriculture, food

industry, and dietary

analysis.



What do they SAY?

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

They may voice concerns about the accuracy and efficiency of existing systems.

express frustration with current manual vegetable classification processes.

Users might

Users might express excitement about the potential of deep learning to enhance vegetable image classification.

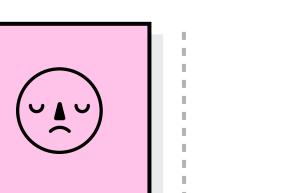
What do they THINK and FEEL?

What do they HEAR? What are they hearing others say? What are they hearing from friends? What are they hearing from colleagues?

Researchers and analysts in the field of dietary analysis.

What are their fears, frustrations, and anxieties?

PAINS



GAINS

What are their wants, needs, hopes, and dreams?

Timeconsuming manual classification processes.

Inaccuracies in the current classification methods affecting quality control.

Increased efficiency in vegetable classification

Improved accuracy leading to better quality control.

confidence in existing systems for automated

Lack of

sorting.

Confidence in automated sorting systems, reducing errors.

What other thoughts and feelings might influence their behavior?

Cost-Benefit Analysis

Ownership and Responsibility

concerns about the limitations of current vegetable classification methods.

Discussions and

What do they DO?

What do they do today? What behavior have we observed? What can we imagine them doing?

Currently, they manually classify vegetables, which can be timeconsuming and prone to errors.

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Rely on traditional machine learning methods or less advanced technologies for image classification