Untitled Diagram

VIAL COUNTING USING IMAGE PROCESSING

BUSINESS AND DATA UNDERSTANDING

DATA COLLECTION
- DATA SOURCE
- VIDEO FEEDS
- DATA ANNOTTATION

DATA STORAGE

DATA PREPARATION USING PYTHON
- FRAME EXTRATION
- DATA CLEANSING
- IMAGE AUGMENTAION

STORING PRE-PROCESSED DATA IN MySQL/Mongodb

MODEL BUILDING AND EVALUATION
- MODEL BUILDING
- Yolov8,CNN,etc
- Model Evaluation

MODEL DEPLOYEMENT USING FLASK/STREAMLIT

STORING TO MySQL

VISUALIZATION USING PowerBI

Users