Project Design Phase – 1 Solution Architecture

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| **Team ID** | **PNT2022TMID17703** |
| **Project Name** | **A Novel Method for Handwritten Digit Recognition System** |

# Data Collection

Test Data

Data Store

Training Data

Pre-processing

Pre-processing

Evaluation

# Training Phase

Data Augmentation

Training Model Building

Store Model

Make Prediction

Return API Response

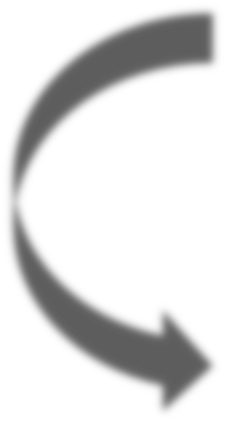
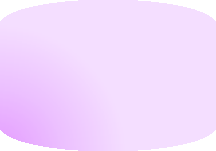
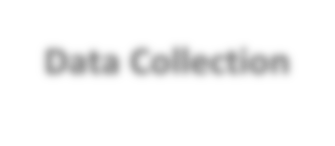
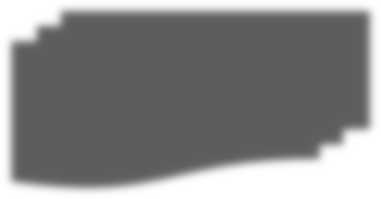
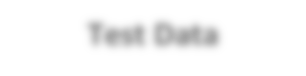
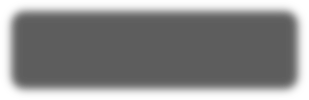
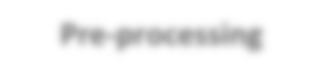
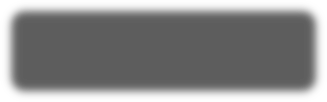
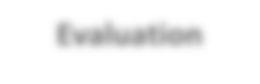
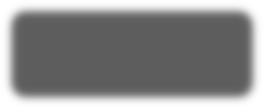
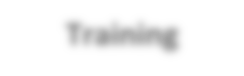
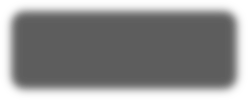
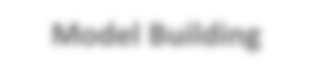
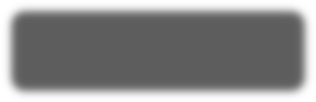
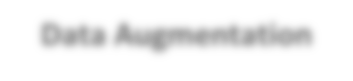
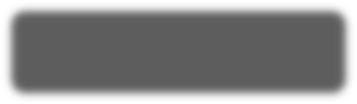
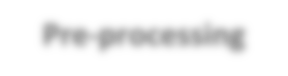
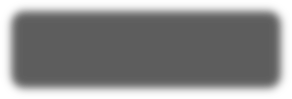
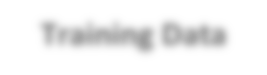
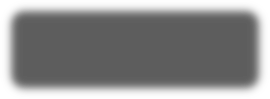
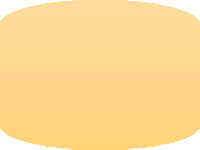
Display Result

Load the Model

# Inference Phase

Pre-processing

**Obtain image from incoming API Request**



Upload Image

User Interface