

Project Design Phase-I

Solution Architecture

Date	26 october 2022
Team ID	PNT2022TMID49294
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

SOLUTION ARCHITECTURE:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

SOLUTION ARCHITECTURE DIAGRAM :

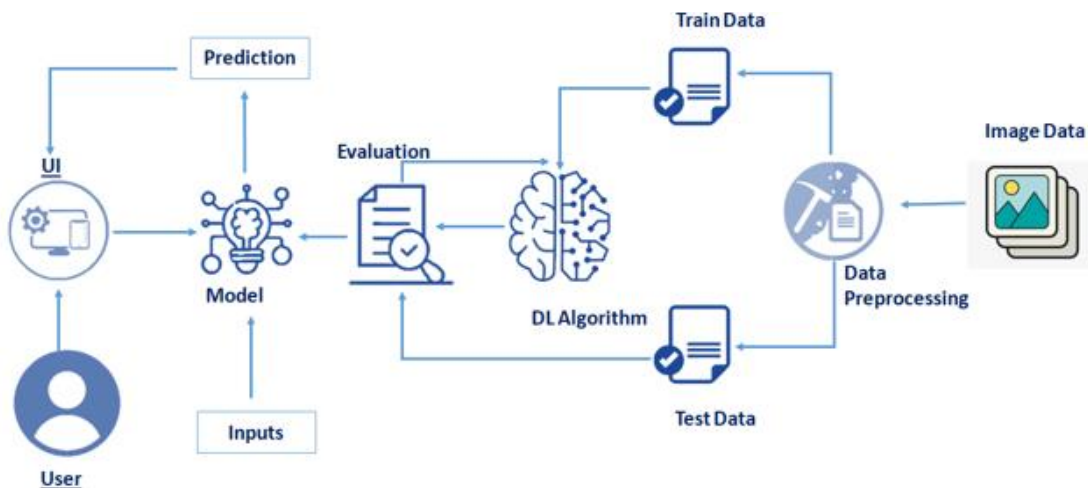


Figure 01: Architecture of the Handwritten digit recognition system

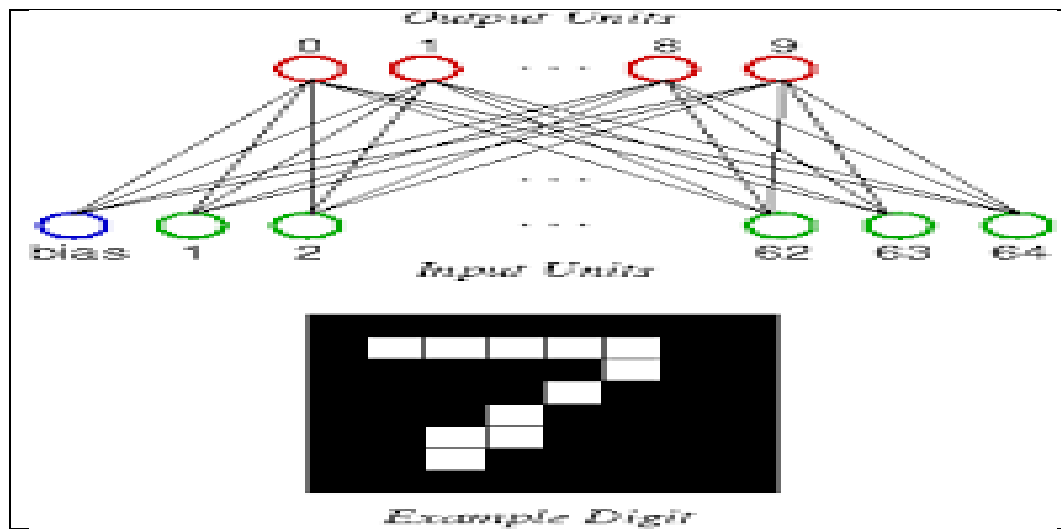


Figure 02: A Novel Approach for Handwritten Digit Recognition Using Multilayer Perceptron Neural Network

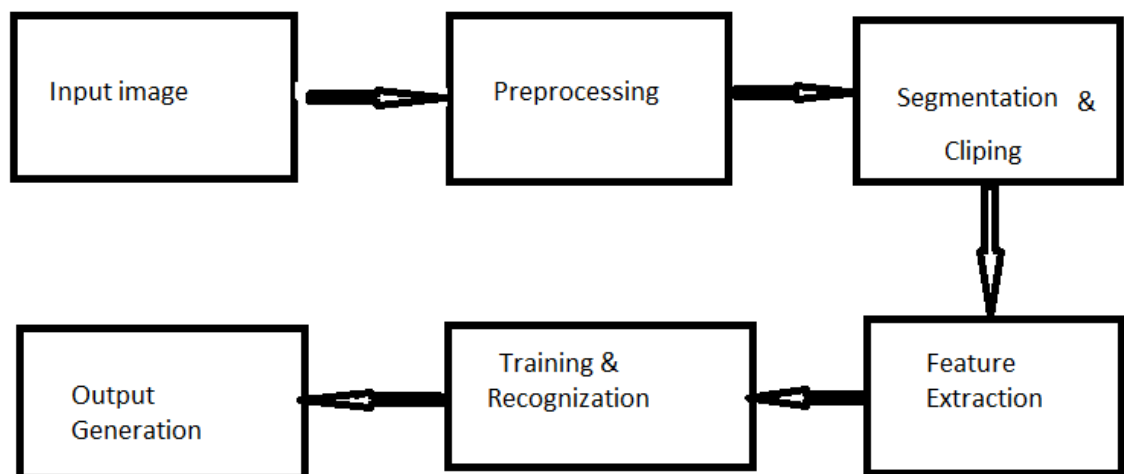


Figure 03: Model Architecture of the Deep Learning model used for Handwritten digit recognition.