PROJECT DESIGN PHASE-II

TECHNOLOGY STACK (ARCHITECTURE & STACK)

DATE	14 October 2022
TEAM ID	PNT2022TMID02012
PROJECT NAME	A Novel Method for Handwritten Digit Recognition System
MAXIMUM MARKS	4 marks

Technical Architecture:

The architectural diagram of the model is as below and the Technology used is shown in Table1
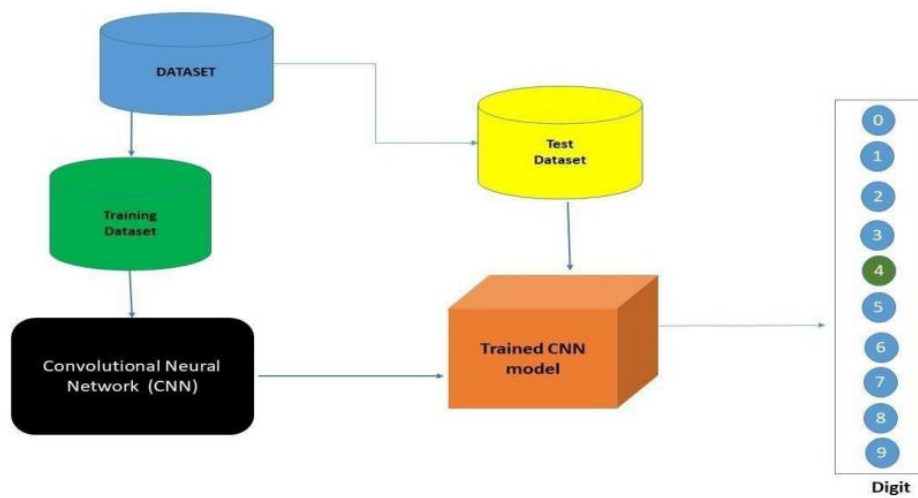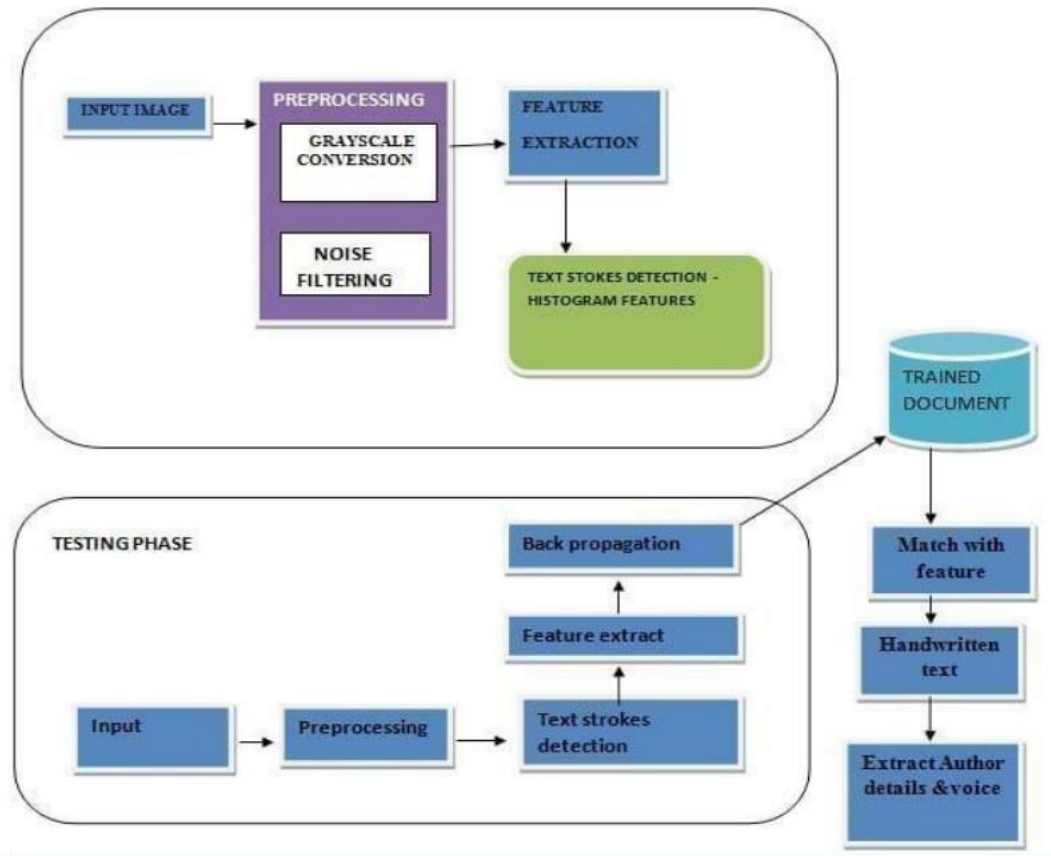
FIG. 1. BLOCK DIAGRAM

Components and technologies

Sno	components	Description	Technology
1	User Interface	How the user interacts with the application e.g., Mobile Application	HTML, CSS, JavaScript / Angular JS / Node Red.
2	Application Logic-1	The logic for a process in the application	Java / Python
3	Application Logic-2	The logic for a process in the application	IBM Watson STT service
4	Application Logic-3	The logic for a process in the application	IBM Watson Assistant
5	Database	Data Type, Configurations, etc	MySQL, NoSQL, etc
6	Cloud Database	Database Service on AI	IBM DB2.
7	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

8	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
9	IoT Model	The purpose of the AI Model is for integrating the sensors with a user interface.	IBM AI Platform
10	Infrastructure (Server / AI)	Application Deployment on Local System / AI Local Server Configuration AI Server Configuration	Local, Kubernetes, etc