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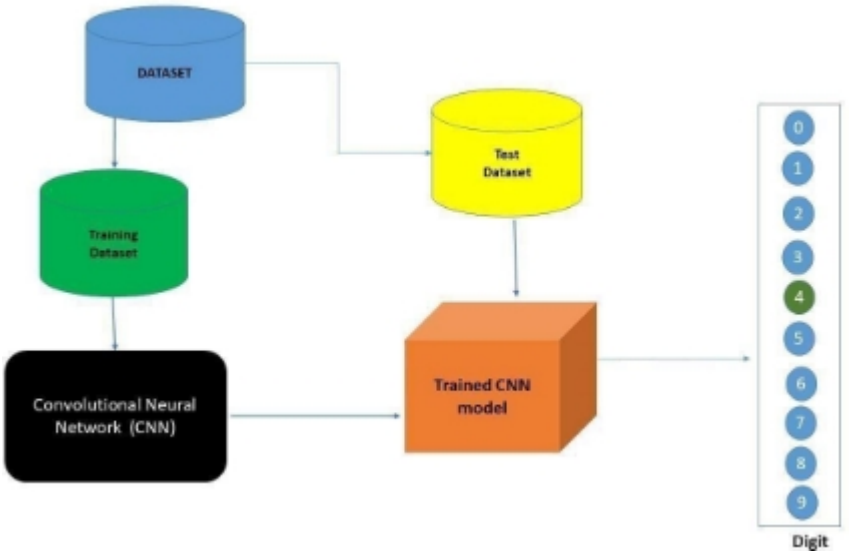
Technical Architecture:

The architectural diagram of the model is as below and the Technology used is shown in Table1



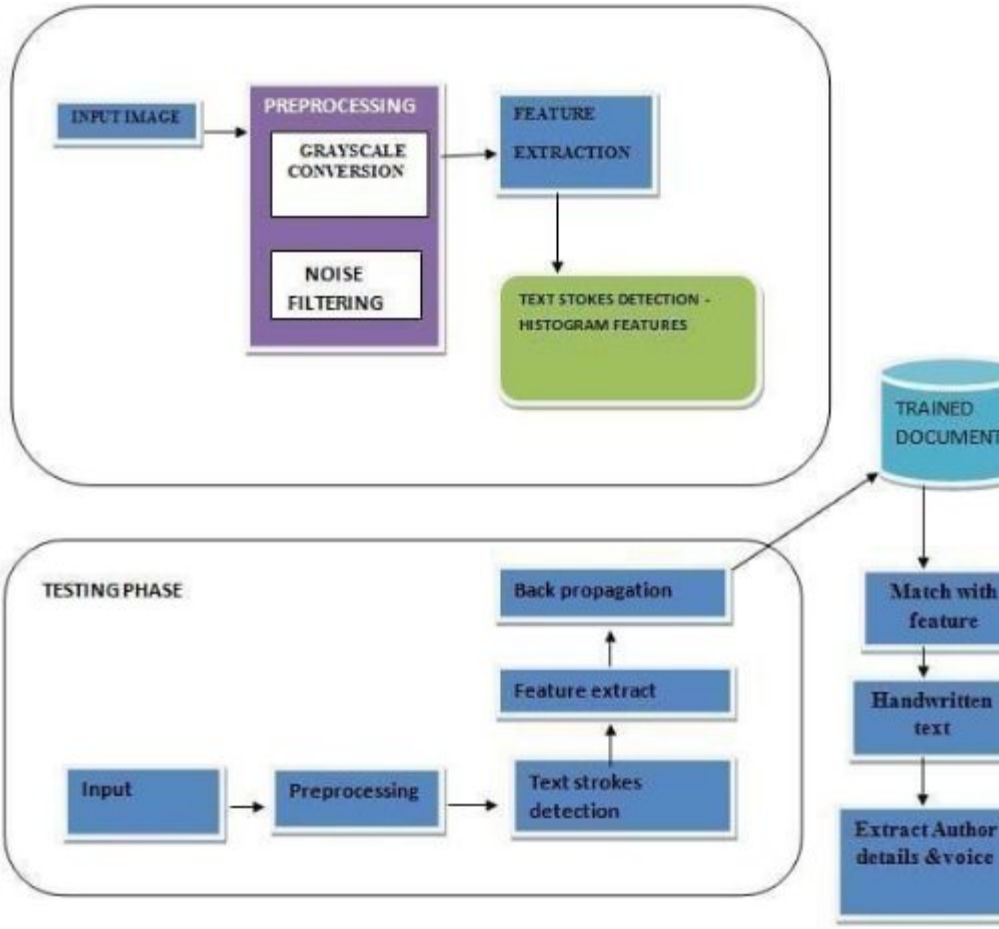


FIG. 1. BLOCK DIAGRAM

Table-1 : Components & Technologies:

S. No.	Component	Description	Technology
1.	User Interface	How user interacts with application e.g., Mobile	HTML, CSS, JavaScript / Angular JS / Node Red
2.	Application	Logic for a process in the application	Java
3.	Application	Logic for a process in the application	IBM Watson
4.	Application	Logic for a process in the application	IBM Watson
5.	Data	Data Type, Configuration	MySQL, NoSQL,
6.	Cloud	Database Service on AI in	IB
7.	File	File storage	IBM Block Storage or Other Storage Service
8.	External	Purpose of External API used in the application	IBM Weather
9.	Internet of Things	Purpose of AI Model is for integrating the sensors with a	IBM
10.	Machine Learning	Purpose of Machine Learning Model	Object Recognition
11.	Infrastructure (Server / AI)	Application Deployment on Local System / AI Local Server Configuration	Local, Kubernetes, etc.

Table-2: Application Characteristics:

S. No	Charact	De	Te
1.	Open-Source Frameworks	Deep learning framewoíks can help you upload data and train a deep learning model that would	Tensorflow, PyTorc
2.	Security Implementations	The system should automatically be able to authenticate all users with their unique username and	NA
3.	Scalable Architect	The system should be able to handle 10000 users accessing the	NA
4.	Av	Information is restricted to each users limited access	NA
5.	Pe	Should reduce the delay in information when hundreds	Google Co-Lab Pro/ Require high end