Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	18 October 2022
Team ID	PNT2022TMID44334
Project Name	Project - A novel method for handwritten digit recognition
Maximum Marks	2 Marks

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Flask, Pycharm
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g. SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	**Presentation layer** HTML,CSS,Javascript. **Application Layer**-Python Data-Tier Layer-Cloudant DB
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Distributed servers
5.	Performance	The handwritten digits are accurately classified with an accuracy of (98-99) percent using the typical neural network implementations	Google colab and jupyter notebook