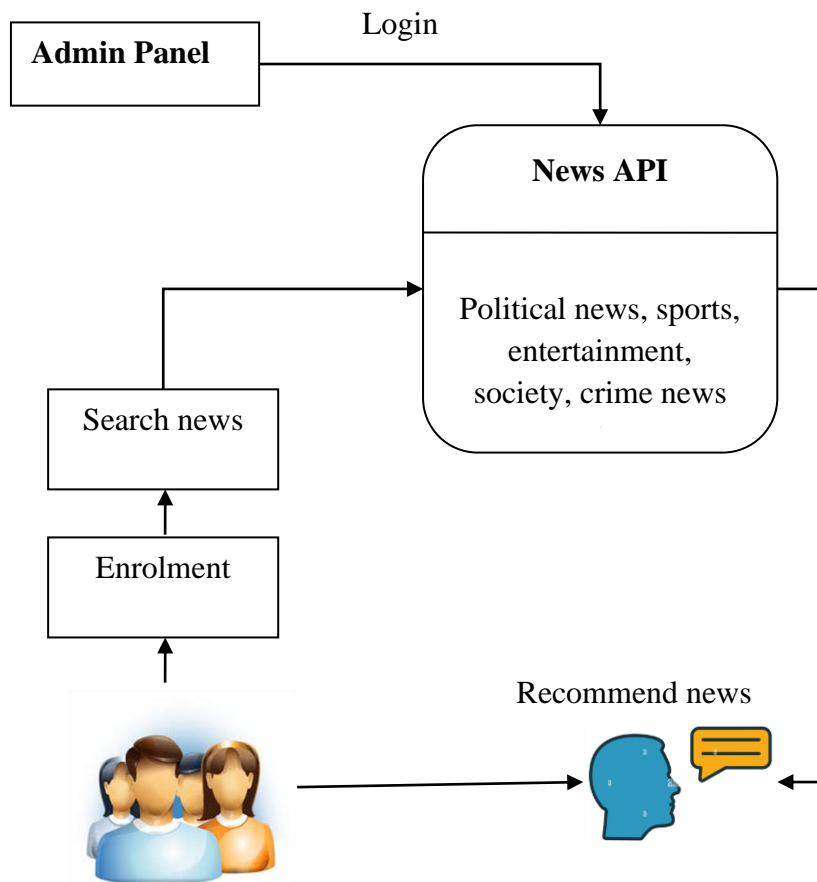


PROJECT DESIGN PHASE-2

Date	15 October 2022
Team ID	PNT2022TMID30665
Project Name	NEWS TRACKER APPLICATION
Maximum Marks	4 Marks

TECHNOLOGY STACK



COMPONENTS & TECHNOLOGIES

S.No	Component	Description	Technology
1.	User Interface	Web UI	HTML, CSS, JavaScript
2.	Application Logic-1	The logic for a process in the application	Python
3.	Application Logic-2	The logic for a process in the application	SMTP
4.	Application Logic-3	The logic for a process in the application	SMTP
5.	Database	Data Type, Configurations, etc.	IBM DB2
6.	Cloud Database	Database Service on Cloud	Local host
7.	File Storage	File storage requirements	Local host
8.	External API-1	Purpose of External API used in the application	-
9.	External API-2	Purpose of External API used in the application	-
10.	Machine Learning Model	Purpose of Deep Learning Model	Classifies and detect the images with high accuracy
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local Server Configuration

APPLICATION CHARACTERISTICS

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	PYCHARM
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	-
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, Micro-services)	Able to respond the changes in an application
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	The system must always be functional
5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Takes no longer time to response