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

Date	16 October 2022
Team ID	PNT2022TMID32908
Project Name	News Tracker Application
Maximum Marks	4 Marks

Technical Architecture:
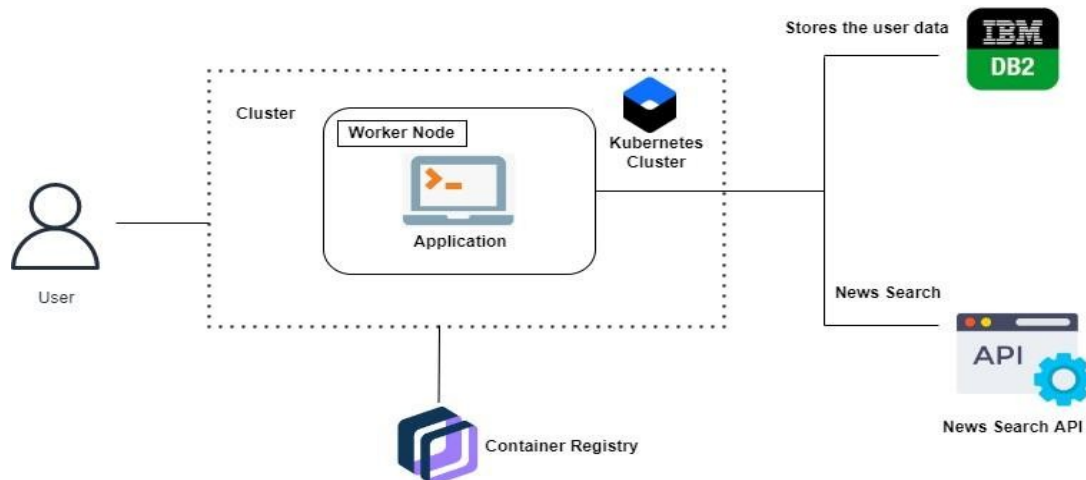
Table 1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interact with the application toknow about the trending news	HTML,CSS, JavaScript/ Angular Js/ ReactJs etc.
2.	Application Logic-1	The application contains this resource gives you basic understanding of Flask	Flask
3.	Application Logic-2	The application contains the news sub-division like geographical news, economicnews and society news	IBM Watson STT service
4.	Application Logic-3	The user can view the growth of the economy in industry through graph	IBM Watson Assistant
5.	Database	Updation of trending news are stored in the MySQL database	MySQL, NoSQL, etc.
6.	Cloud Database	With the use of cloud, media coverage issue cannot be occurred	IBM DB2, IBM Cloudant etc.

Table 2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is flexible and doesn't require touse any particular project or code layout used in this application	Python-Flask
2.	Security Implementations	This can be access only by the journalist. So, It is a high Security	Container Registry, Kubernetes Cluster.
3.	Scalable Architecture	News Tracker is a socio-economic access because helps to know aboutthe daily activity of the world	Container Registry, Kubernetes Cluster.
4.	Availability	This application will be available to the all the user who are using this application	Container Registry, Kubernetes Cluster.
5.	Performance	The updation of trending news occurs without any interruption. So,it performance is good	Kubernetes Cluster.

References:

https://ieeexplore.ieee.org/document/5616930

https://ieeexplore.ieee.org/document/1565880

https://ieeexplore.ieee.org/document/8703401