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

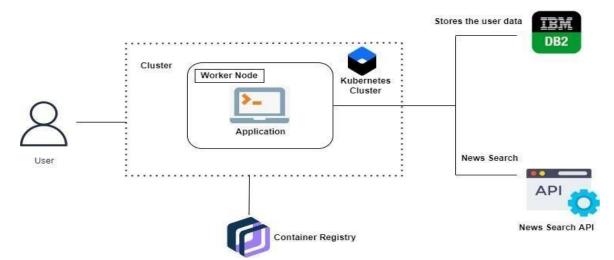| Date	17 October 2022
Team ID	PNT2022TMID27418
Project Name	News Tracker Application
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interact with the application to know about the trending news	HTML, CSS, JavaScript / React Js etc.
2.	Application Logic-1	The application contains this resource gives you basic understanding of Flask.	Python Flask.
3.	Application Logic-2	The application contains the news sub-division like geographical news ,economic news 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	Updating of trending news are stored in the MySQL database.	MySQL, etc.
6.	Cloud Database	With the use of cloud , media coverage issue cannot be occurred.	IBM DB2.

Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask is flexible and doesn't require to use any particular projector 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 associate-economic access because helps to know about the 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.	Container registry, Kubernetes Cluster.

References:

https://github.com/IBM-EPBL/Assignments-CApD/tree/main

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

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

https://ieeexplore.ieee.org/document/870340