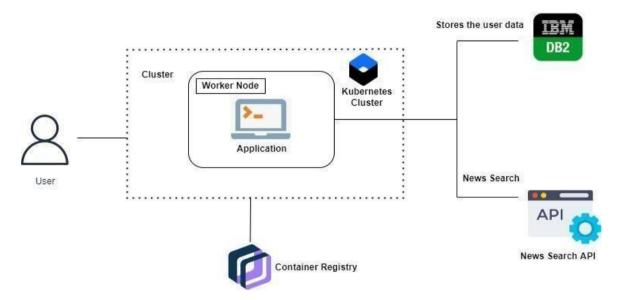# Project Design Phase-II
Technology Stack (Architecture & Stack)

Team ID	PNT2022TMID49824
Project Name	News Tracker Application
Maximum Marks	4 Marks

Technical Architecture:

Project Workflow:

- The user interacts with the application.
- Registers by giving the details.
- Integrate the application with news APIs and store the data in the database.
- The database will have all the details and the user can search the news by using a search bar.

S.No	Component	Description	Technology
1.	User Interface	The user can interact with the application to know about the trending news	HTML, CSS, JavaScript / Angular Js / React Js 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, 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, NoSQL, 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 anyparticular projector code layout used in this application.	Python-Flask
2.	Security Implementations	This can be access only by the journalist. So,it isa high Security.	Container registry, Kubernetes Cluster.
3.	Scalable Architecture	News Tracker is associate-economic access because helps to know about the daily activity ofthe 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 updating of trending news occurs withoutany interruption. So, its performance is good.	Container registry, Kubernetes Cluster.