

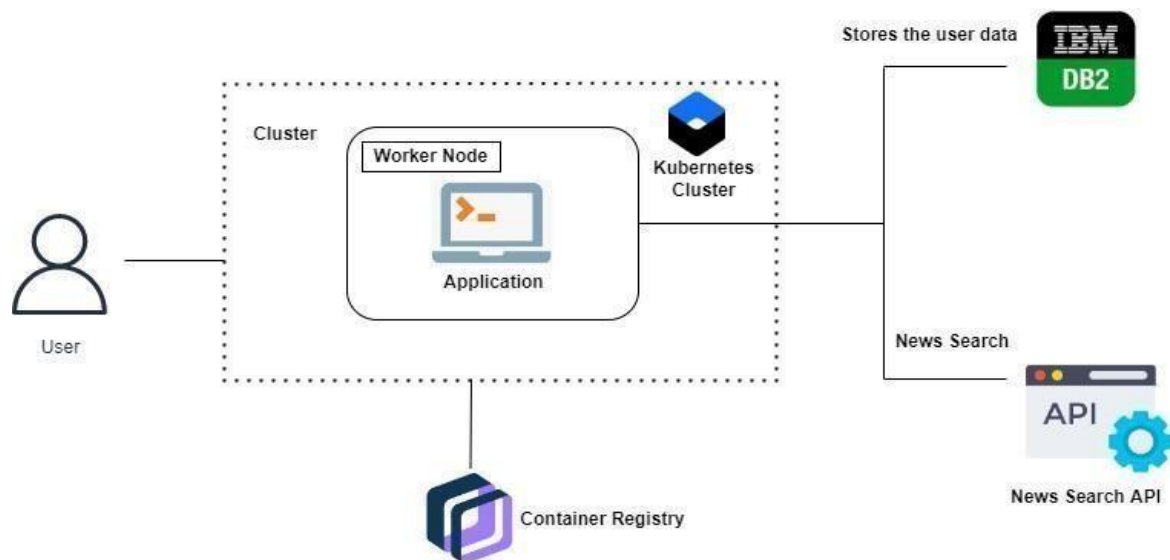
## Project Design Phase-II

### Technology Stack

### (Architecture & Stack)

Date	10 November 2022
Team ID	PNT2022TMID35356
Project Name	News Tracker Application
Maximum Marks	4 Marks

#### Technical Architecture:



#### Project Workflow:

- The user interacts with the application.
- Registers by giving the details.
- Integrates the application with news APIs and stores 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, Bootstrap
2.	ApplicationLogic-1	Main Dashboard and article retrieval from news api	Django
3.	ApplicationLogic-2	The application contains the news sub-division like geographical news, economic news and society news.	IBM Watson STT service
4.	ApplicationLogic-3	The user can view the growth of the economy in industry through graph.	IBMWatsonAssistant
5.	Database	Updating of trending news are Stored in the MySQL database.	sqlite
6.	Cloud Database	With the use of cloud, media coverage issue cannot be occurred.	IBMDB2.
7	Infrastructure	Application deployment in cloud server,	Kubernetes
8	External API	News articles provided from API	NewsAPI

**Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Django is flexible and doesn't require to use any particular projector code layout used in this application.	Python-Django
2.	Security Implementations	This can be access only by the journalist. So, it is a high Security.	Containerr egistry,Ku bernetesCl uster.
3.	Scalable Architecture	News Tracker is associate-economic access because helps to know about the daily activity of the world.	Containerr egistry,Ku bernetesCl uster.
4.	Availability	This application will be available to the all the user who are using this application.	Containerr egistry,Ku bernetes Cluster.
5.	Performance	Theupdatingoftrendingnewsoccurswithoutanyint erruption.So,itsperformanceisgood.	Containerr egistry,Ku bernetesCl uster.