Sprint Plan						
Task Type	Task	Sub Task	Responsible	Start Date	End Date	Priority
Extract Transform Load (ETL)	Extract the Data		Ahmed	6/14/2021	6/15/2021	High
	Transform into xls files	Pre-processing of the Dataset (Weka for data mining tool) ->Handle Missing Values ->Remove Unrequired Columns	Kanav + Rayan	6/16/2021	6/18/2021	High
		Database schema Design (Snowflake: Prospective, not finalised)	Kanav + Rayan + Ahmed	6/28/2021	6/28/2021	
		Data Integration: Integrate all the data sets into database	Kanav	6/29/2021	6/30/2021	
	Load (MySQL: Prospective)	Creating Tables and Importing Data	Rayan	7/1/2021	7/4/2021	High
MILESTONE- 1						
OLAP Operation (Data Warehouse)	Creating OLAP cube that will store data in multidimensional form (Will contain primary keys of tables)		Ahmed	7/5/2021	7/10/2021	High
	Get better Understanding of Data by doing data query		Kanav + Rayan+ Ahmed	7/11/2021	7/14/2021	
Creating API's	GET API - health data	Query and fetch Data from DB	Rayan	7/15/2021	7/22/2021	Medium
	GET API - Covid data		Ahmed	7/15/2021	7/22/2021	
Graphical representation of data	Integrate API calls to React- vis	Set up Redux and Axios for API calls	Kanav	7/15/2021	7/24/2021	Medium

Risk Analysis	
Risk Description	Severity
Data gets corrupt while converting to different file format	High
Session Timeout while processing Big Data resulting in Data loss	High
Dataset is huge so it might take lots of time for preprocessing	Medium
Missing data replacement with data mining tool can give errors in some cases and there might be a need to replace data manually	Low
Bugs in GET API can generation false reports	Medium
Wrong indexing during OLAP operation can generate false data reports	Medium
Testing the application using big data might impact on the operation	Medium