



**UNIVERSITY OF WINDSOR**

**MASTER OF APPLIED COMPUTING**

**Project/Internship II – COMP 8977 Winter 2021**

## **Forecasting Manpower Demand during Covid-19 Pandemic using AI Predictive Analytics Tools**

**Group number: 17**

Submitted by:

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Submitted to:

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### Milestone 1:

Iteration	Task	Status	Date
1	Understanding Requirements	Completed	20 January
2	Similar case study analysis	Completed	1 February
3	Risk Analysis	Completed	5 February
4	Data Analysis	Completed	10 February
5	Data Preprocessing	Completed	15 February
6	Data Cleaning	Completed	17 February
7	Data Visualization	Completed	20 February

**What are the user requirements/features/components that you are planning to implement in Milestone II?**

### Milestone 2:

Iteration	Task	Description	Date
1	Basic Analysis	Measuring trends, seasons and patterns through basic time series analysis	25 – 30 February
2	RNN model	Finding the results using RNN model	1 – 5 March
3	LSTM model	Repeating the whole thing using LSTM	5 – 10 March
4	Alternative models	Will try to get results from other models	11 – 12 March
5	Measuring Accuracy	Comparing results of models	12 – 17 March

**What are the user requirements/features/components that you chose to exclude from your first release (Milestone I) and explain why you decided to delay implementing them?**

- In the earlier stages of the development we have decided to implement some models understood from various case studies, but later on because of lack of data/information we had to spend more time on analysis and cleaning the data that affected to shifted our focus on models in the further iterations.