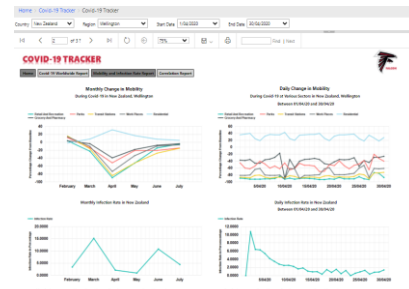
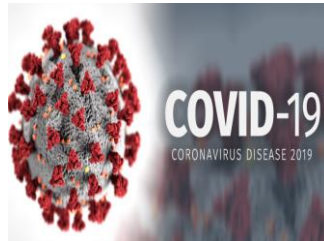
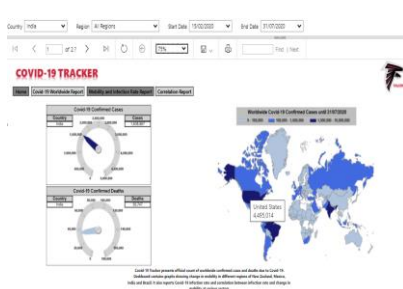


Covid-19 Tracker Dashboard

By: Falcon (Amarpreet Singh and Harmandeep Singh)

Supervisor: Dr Thi Thu Trang Do

Client: Trung Nguyen



1 Home Page of Covid-19 Tracker

2 Covid-19 Virus

3 Dashboard displaying change in mobility and infection rate

INTRODUCTION

The Covid-19 Tracker is a dashboard representing Covid-19 worldwide impact. This dashboard displays Covid-19 worldwide impact, monthly and daily infection rate and change in mobility in different regions of a country along with the correlation between them. The Covid-19 Tracker includes deep analysis of countries having more than 100 million population and over 0.2 million Covid-19 confirmed cases i.e. India, Brazil and Mexico. It also includes New Zealand. Deep Analysis of change in mobility is done region wise for these four countries.

Covid-19 has badly impacted economies worldwide. There is research going on worldwide to determine the influence of Covid-19 on various sectors so that pre-planned measures can be taken to minimise the impact of such pandemic in future. The audience for this project is general public, government and other organisations interested to know the impact of Covid-19.

DEVELOPMENT

The main goal of this project was to visualise the impact of Covid-19. The team started by collecting and understanding the Client's requirements. The team planned for the activities required to complete this project successfully.

Initially, the team was bit confused regarding the Client's requirements because this project involved a lot of research work. Project advisor and the Client were really supportive to explain the things in detail.

After understanding the Client's requirements, research was carried out to gather required data from different sources. The system analysis and

design documents including user stories, diagrams, prototypes, wireframes, etc. were developed to have an idea of the reporting system.

By using SCRUM, team decided to work in three sprints. Each sprint included database designing, coding, dashboard designing and testing. In the middle of the project, team had to go through change control. The team added another sprint in the project to meet the Client's requirements.

Manual Testing was carried out as per IEEE 829 format. Regression testing was done after each sprint, to ensure the quality of the product. User Acceptance testing was also carried out at the end with the Client's permission.

After finishing all the sprints, our team prepared the product manual and documents for the Client handover. All the necessary documents for academic handover were prepared after the Client handover. Our team faced some issues during the project. However, we managed to meet our Client's expectations.

CONCLUSION

Besides some issues in the project, our team completed this project on time by meeting all the Client's requirement. Our Client was happy with our team performance because we went through change control process to maintain the quality of the product. As a team, we have learned a lot of things from each other which would helpful us in near future.