**MN601 Network Project Management**

**Group 8 Assignment 2 Project Proposal**

**PROJECT TITLE**

Providing Curated and Up-to-date information on COVID-19 through a Web Platform.

**BACKGROUND AND CURRENT PRACTICE**

Currently, several websites provide information about the COVID-19 virus. For example, in the state of Victoria, the Department of Health and Department of Transport websites, as well the Government of Victoria website, offer different information related to COVID-19. Furthermore, the general public can also visit the Australian Government Department of Health webpage to glean additional data. On a worldwide basis, websites of organizations such as the World Health Organization and the Center for Disease Control and Prevention provide useful advice. Additionally, many denizens of the internet obtain daily updates about the corona virus through social media platforms or newspaper websites.

Given that there is currently no centralized information database about the pandemic, navigating through this sea of resources to find the most relevant piece of information can be daunting, especially those new to technology. Moreover, researchers have already found that the COVID-19 pandemic has enabled fake news to proliferate [1]. Social media platforms and tabloid newspapers have already been identified as major sources of misinformation, which in turn put the health of the general public at risk [2].

**PROJECT AIMS/OBJECTIVES**

The purpose of this project is to:

* Create a website to disseminate curated information about the COVID-19 virus to the General Public.
* Be a single point of information aggregation so that users do not have to visit multiple websites to get what they are looking for.
* Help in the prevention of fake news spreading.
* Be accessible to anyone around the world so that he or she can stay COVID-safe.
* Provide a moderated discussion forum, where people can share their experiences and fears. Health professionals and experts will be invited to respond to these discussions.
* Provide information pertaining to transport and travelling during the pandemic.
* Provide information about restrictions currently in place in the user’s location.

**PROJECT BENEFITS**

It is expected that this new website will be the “one-stop shop” for users around the globe about the COVID-19 virus. Moreover, it will help dispel many of the fallacies surrounding the pandemic. It will help keep the public stay COVID-safe in these difficult times. Furthermore, the developers of the website will be getting a good exposure, thus increasing the likelihood of better job opportunities in the future.

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| **START DATE & COMPLETION DATE:**  Start Date: 18th August 2020  End Date: 13th March 2020 |

**STAKEHOLDERS**

* General Public.
* Project Manager.
* Web Designer.
* Programmer.
* Data Base Designer.
* User Interface Designer.
* User Experience Designer.
* Program/Website Tester.
* Cyber Security Expert.
* Human Resource Manager.
* Finance Manager.

**PROJECT TEAM**

* A Project Manager with a background in IT, and more specifically web development, will be required. Ideally, he or she would have at least 3 years’ experience in this field. The person should also have the PMP certification.
* A web designer with a minimum of 3 years’ experience in designing a variety of websites. A degree holder would be preferable.
* A programmer to code the website logic and assist in developing the Front End and Back End of the website. A minimum of 3 years’ experience is expected from that person. A degree holder would be preferable.
* A database designer to design the relational database that will hold the website’s data. The database designer will ideally have 5 years’ experience and have the necessary professional certifications such as the Oracle Database Certified Associate certificate.
* User Interface and User Experience designer to assist in creating a user interface for the best user experience, with a minimum of 5 years’ experience in this field would be required. A degree holder would be preferable.
* A program or website tester to test the website before rollout with a minimum of 3 years’ experience in this domain will be required.
* A cyber security expert to assist in shoring the website and all its related entities against cyber threats and vulnerabilities. This person should have at least 5 years’ experience and hold the necessary professional certifications such as the Certified Information Systems Security Professional certificate.
* A Human Resource manager to assist in assembling the team. A degree holder with a minimum of 5 years’ experience would be required.
* A Finance Manager who will assist in securing the necessary funds and any financial issues the project might face. He or she should be a degree holder and posses at least 10 years’ experience.

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**EXPECTED OUTCOMES:**

The expected outcome is to deliver a fully functioning website, free of bugs and safe from cyber threats and vulnerabilities, to the public in a 6-month time frame.

**INITIAL ESTIMATES OF COSTS:**

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| Items | Number | Cost Per | Total Cost |
| HPE DL380 Gen10 Server | 2 | 13249 | 26498 |
| Check Point Firewall | 2 | 3000 | 6000 |
| Network Router | 2 | 1200 | 2400 |
| Network Switch | 2 | 900 | 1800 |
| Software Licenses |  |  | 10000 |
| Internet Connectivity Links | 2 | 100 | 200 |
| Web Designer | 480 | 45/hour | 21600 |
| Programmer | 480 | 45/hour | 21600 |
| Database Designer | 480 | 50/hour | 24000 |
| UI/UX Designer | 480 | 40/hour | 19200 |
| Website Tester | 320 | 30/hour | 9600 |
| Cyber Security Expert | 480 | 50/hour | 24000 |
|  |  |  |  |
| Final Estimated Cost |  |  | 166898 |

**PROJECT TEAM MEMBERS:**

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| 1. **Name: Atish APAJEE ID: MIT200286** |
| 1. **Name: Rani BROKA ID: MIT200046** |
| 1. **Name: Sandeep CHENNUPATI ID: MIT200194** |
| 1. **Name: Avinash DANTULURI ID: MIT200020** |
| 1. **Name: Kardamkumar PATEL ID: MIT200097** |

**SIGNATURE OF PROJECT MANAGER:**



**DATE: 16th September 2020**

# **REFERENCES**

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| [1] | O. D. Apuke and B. Omar, "Fake news and COVID-19: modelling the predictors of fake news sharing among social media users.," *Telematics and Informatics,* 2020. |
| [2] | S. B. Naeem, R. Bhatti and A. Khan, "An exploration of how fake news is taking over social media and putting public health at risk.," *Health Information & Libraries Journal,* 2020. |