Project Management Plan Version 1.0

Date 05/19/2021

**Project Name:** Application for Vaccine registration

Introduction/Overview of Project: This project is to develop a user friendly web application which allows the public to check the available slots to get vaccinated and to get register on the required date. This application also allows the hospital to check the data of people who registered for the vaccination and their health history.

**Project Organization:**

CEO

Program Manager

Project Manager

Business Analyst

Team Lead(Full stack Developer)

DB Administrator

Front End Developer

Back End Developer

Database Developer

**Management and Technical Processes**

**Management Processes:**

**Management Objectives and Priorities:**  The project manager makes certain that the product meets the needs of consumers and sponsors. The project's monthly status is evaluated by the Management Authority. Meeting all requirements on schedule and within budget are top priorities.

**Constraints:**The project must adhere to the company's three constraints: scale, time, and expense.

**Staffing Plan:** Project managers, program managers, database analysts, finance analysts, programmers, test engineers, and other personnel are required for the project. Any member of the team must be highly qualified and well-trained.

**Risk Management:** By analyzing root cause, the Risk Management team will identify risks in the updating phase and prepare appropriate steps to manage them.

Monitoring and Controlling Mechanisms ensure that project deliverables are checked on a regular basis and that any inadequate output is controlled by recognizing and resolving problems when they arise during the project.

**Technical Processes:**

**Methods, Tools, and Techniques:** The backend of this project is developed using Spring framework which is a java framework. The frontend of this developed using Html, CSS, Bootstrap5 and Angular8. We use MySQL database to persist the data postman to test the rest APIS.

**Software Documentation:** By adhering to documentation rules, all the documents created by each team member are included. The project manager must review and approve all these documents.

**Project Support Functions:** The project manager creates the release schedule based on the client's expectations, the project's time, scope, and budget. Daily scrums with all project stakeholders to keep track of project progress and make any necessary improvements based on client feedback. Throughout the project life cycle, application output must be tracked, and adjustments must be managed.

**Work to Be Performed:**

Project charter, project plan, requirement analysis, hardware and software installation, resource collection and allocation, create the code, make changes as needed, execute the code, track, and manage the application, document the lessons learned, final project documentation, and release the product.

**Schedule Information:** The project starts from 05/17/2021 and ends on 06/03/2021. Detailed schedule of the project is given in project time management plan.

**Budget Information:** The budget of the project is $20,000 and Project manager assigns all the resources to tasks based on usage, roles, and responsibilities.

**References to Other Project Planning Documents:**

1. Project Management: Absolute Beginner’s Guide.
2. A Guide to the Project Management Body of Knowledge (PMBOK Guide) 2000 edition - Project Management Institute.

We reviewed several documents from past projects, learned lessons from the above-mentioned textbook, and chose the best of them for the Online Learning project to improve project management and ensure project performance.