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**Title: XN Project: Scope**

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**Introduction:**

The project scope usually the phase of project planning in which the project tasks, goals, costs, resources, and deadlines is determined and documented, is followed in this project. The scope tells us the project limitations, that our team should adhere to follow the assigned responsibilities. Prevents projects from expanding beyond their original scope, especially those that are complex. We also listed out the procedures and processes to follow for evaluation and verification purposes once the task got approved when it is completed. Decision makers and groups that are selected were observed with tools and techniques by a manager that handles the project for gathering the needs and resources. Effective management is required for good communication to guarantee that all of us are standing on the same page as a team. It is needed to stick with the requirements and understand the project deliverables and meet the deadlines as stated. It shows that the team working in a project as team to gain better knowledge of the tasks that we are dealing with.

**Project Needs Identification**

We have analyzed the dataset from the EPA Gov website and CDC websites. We require to fetch the data from CDC Dataset and workaround on the Emergency Room Visits and compare with the Air Quality Index, which is monitored daily. To work as a group, we require Project Management tools like JIRA. Microsoft Teams/ any other. We have identified all the key resources for the project and planned accordingly. We also went ahead and installed all the necessary tools and IDEs to do EDA, testing, and modeling. When our project is finished, we'll either have succeeded or failed. We thank ourselves and congratulate on a job well done, and let them know if the project did not go as planned.

**Define Goals and Set Goals**

We have established all the necessary goals to achieve by end of the class and deliver the project in a professional way to Keva Health. We planned all the tasks, their descriptions, assignments, and stakeholders that will be working on. Several tools are used to identify necessities like conducting interviews, creating mind maps, defining the benchmarks, and thoroughly prototyping. We have utilized the frameworks in Project Management and effectively make use of the templates to define the goals and measurables. We have planned out the works within ourselves and the tasks are divided and managed by the team itself.

**Project Scope Description**

We are thoroughly working on the tasks that are assigned will look at the AWS Quick Sight deliverable and other tasks like Modelling various Machine Learning algorithms. To ensure that the proposed project meets stakeholders needs and requirements, the team leader should seek consent from various stakeholders. Makes the project's objectives clear so that all stakeholders are on the same page. This roadmap can help managers assign responsibilities, work, and budget effectively. The goal of the project scope is to ensure that all of your stakeholders and team members are on the same page. It also serves as a quick recap of your meetings, deliverables, and agreements for everyone to reference. Assists teammates in concentrating on a common goal. The project scope outlines what will be delivered at the conclusion of the project, as well as the parameters of the work to be completed.

**Expectations and Acceptance**

The Timeline will look like this once we've finished scoping out your project. We can now present the scoped-out project to our client. This provides a visual understanding and an overview of how the project will progress and what will happen if any changes are made for both you and our clients. After we've double-checked the scope, return to the Scoping page and approve the tasks as expected. Criticism demotivates people faster than anything else, so if we see something we want to criticize, we do so constructively.

We find a better solution to overcome the risks and meet the expectations. Our approvers are members of our leadership or management who have the final say on project phases, budget approvals, and other matters. These individuals must be aware of their responsibilities and when they are required so that they can plan their schedules accordingly and avoid becoming bottlenecks.

**Constraint Identification**

We are using this template in defining any risks or constraints that can stop us from doing the work. Customer satisfaction is a crucial component of a long-term business's success. The project sponsor will state his or her expectations for the project at the start of the project. Quality comes at a price. If a project has strict quality requirements, this will have a direct impact on the project's cost constraint. Many managers believe that project resources are limited to project team members. Time is indeed money. When starting a project, the project sponsor will set deadlines for you to meet. Project scope is a critical project constraint because it defines what must be accomplished in a project. Risks can be both positive and negative in a project. Project managers must rise the chances for optimistic risks while reducing the fears of adverse risks in order to complete a project.

**Conclusion:**

In this project, recording the project scope turn out to be an imperative tool in project. Our project with a poorly defined scope may fail, whereas a project with a well-defined scope will succeed. In our planning phase, a project must define the scope of the project. Finally, it is linked to project success, its importance cannot be overstated. It justifies the project, explains the goals and how to achieve them, communicates information to stakeholders so they can understand it and aids as an evaluation and endorsement record. Detecting what is in the scope and what is not in the scope aids in scope planning by reducing the amount of work required. Finally, effective scope change management will aid in the resolution of project scope issues like scope creep. We will however produce our work in a document and present it to the Keva Health with Visually appealing Dashboards that were analyzed and recommended. Gathering and defining requirements, as well as categorizing all stakeholders in significant steps.

**References:**

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