



Centro Universitario de los Valles

Master of Software Engineering

Intelligent Traffic Management System

Change Request Analysis 1

Presents: Ing. Tomás Alejandro Lugo Limón

Asesor: Omar Ali Zatarain Durán

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Project Context

Before delving into the details of our project, "Intelligent Traffic Management System," it is essential to understand the framework that shapes this endeavor. In this section, we present an analysis of the effort, time, costs, and human resources originally estimated for the project.

Before the Change Request

Effort: Originally, the project was estimated to require approximately 12 months of development with a full-time development team of 10 software engineers.

Time: The initial project schedule included 12 months for development and an additional 2 months for testing and deployment.

Costs: The initial project budget was estimated at \$1 million, which included team salaries, infrastructure costs, and software licenses.

Human Resources: The development team consisted of 10 software engineers, 1 project manager, and 1 traffic expert.

Analysis of the Change Request

The development process of our project, "Intelligent Traffic Management System," has undergone a significant evolution following the analysis of the Change Request. This change request, which introduces a new feature for recording DUI fine locations, has significantly reshaped the project landscape in terms of effort, time, costs, and human resources.

After the Change Request

Effort: The addition of the new feature for recording DUI fine locations is estimated to require an additional effort of 3 months of development with a team of 3 software engineers and 1 data privacy specialist.

Time: Implementing this additional feature will extend the schedule by an additional 3 months, bringing the total project time to 18 months.

Costs: The additional cost of the Change Request is estimated at \$300,000, which includes the additional team salaries and costs associated with adding this feature.

Human Resources: The development team will expand to 13 software engineers, and a data privacy specialist will be hired to ensure compliance with regulations.

Conclusion

In this case, the Change Request has a clear impact on the project's time, effort, costs, and human resources. These estimates are simplified but would need further examination if accepted. It is important to consider all the details and take into account any other potential impacts on project planning and execution. It is also crucial to communicate these changes to all stakeholders to ensure they are aware of the implications and adjust their expectations accordingly.

Glossary

Effort: The amount of work required to complete a task or project.

Time: The period during which an activity or project is carried out.

Costs: The expenses associated with the execution of a project.

Human Resources: The personnel or team needed to carry out a project or task.