

**DIGITALIZATION REPORTING SYSTEM ON SECURITY AND LAND
PROTECTION DEPARTMENT AT PT XYZ**

By

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.



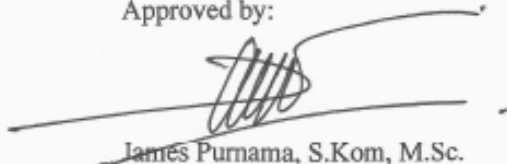
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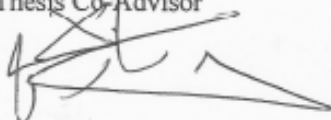


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ABSTRACT

DIGITALIZATION REPORTING SYSTEM ON SECURITY AND LAND PROTECTION DEPARTMENT AT PT XYZ

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The Security and Land Protection Department at PT XYZ is dedicated to ensuring the safety, security, and compliance of the company's operations and assets. However, The Department faces significant challenges in efficiently managing their time and reporting workflows due to the reliance on traditional paper-based methods. (Objective) In an effort to address these issues, the department has embarked on the implementation of a digital reporting system. In order to ensure a systematic and well-structured approach to the development of the digital reporting system, the system adopted the Waterfall methodology. Waterfall methodology focuses on careful planning and design at each phase of system implementation. The system developed using MySQL, Express, React, and Node.js, allows for seamless transition from paper to digital, resulting in a remarkable 300% reduction in paper usage while enabling report creation in just 5-10 minutes. Through this digitalization, the Security and Land Protection Department at PT XYZ is poised to achieve new levels of efficiency and effectiveness in their reporting processes.

Keywords: Security and Land Protection Department, Digitalization Reporting System, MERN Stack,

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DEDICATION

This work is dedicated to my parents, who have always been a constant source of love, encouragement, and support throughout my academic journey. Their unwavering belief in me has been the driving force behind my success, and I am forever grateful for their sacrifices and guidance. I also dedicate this thesis to my lectures, whose mentorship and expertise have shaped my academic and professional growth. Without their guidance and encouragement, this work would not have been possible. Lastly, I dedicate this thesis to my friends and colleagues, who have been a constant source of inspiration and motivation. Thank you all for your unwavering support and encouragement.

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