

# STUDY AND IMPLEMENTATION OF FACIAL RECOGNITION WITH PRINCIPAL COMPONENT ANALYSIS TECHNOLOGY

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## ABSTRACT

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This project documentation is divided by two sections which are the introduction, background of problem, research methodology and executive summary and the other section will be the literature review. Some of the chapter covers in this project documentation are biometric and face recognition technology where the comparison of biometric and face recognition technology will be carried out. Then the Principal Component Analysis (PCA) will be studied. A suitable programming languages and tools will later select. The system requirement will also be identified. Besides that, the scope and limitation will also be listed in the documentation. The next step will be designing the system based on the project requirement. After the designing stage completed, a test will be conducted. This is to make sure that there is no error occurred during running the system. The final chapter will be the future enhancement needed in the system.