



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES

College of Engineering

Computer Engineering Department



CMPE 30193

Methods of Research

TITLE PROPOSAL

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Section:

BSCpE 3-6

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Title:

Smart blind stick with Arduino

Rationale:

Our main objective in this project is to help the blind. Assist them in their daily lives whether they go out for a walk outside or inside of their house. A cane is an appropriate tool for a blind person to use when traveling and we hope to improve this by adding a sensor on the tip and a buzzer in the middle of the cane. Our smart blind stick can surely help blind people to navigate routes and detect an obstacle which can ease their life routines as well.

Statement of the Problem:

Blind people are unable to traverse whatever is in their vicinity. Using a cane is required if they want to move around.

Scope and Limitations:

This project is all about helping the blind to effectively navigate their surroundings. This project could potentially reduce the risk of accidents and injuries from happening. This project is exclusive and is only intended for those people who suffer from visual impairment.