A picture containing logo

Description automatically generated

**Future University in Egypt**

**Faculty of Computers and Information Technology**

**Department of Computer Science**

Software Project Management - CS453

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**Project Management for Third Eye for Blind People**

**Supervised by**

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# Problem Description

This project introduces an aid impaired people system which help blind people to recognize current object. Visually impaired people are usually unrealizable of the danger that they face in their daily life. They may face many obstacles when performing their daily activity. Objects detected are represented by their names and converted to audio. It helps impaired people to detect and recognize the tools around them, which they see through a mobile camera. It uses an intelligent architecture system to develop a system to recognize indoor objects and provide the output into a voice message. The intelligent system imitating the human eye. A mobile camera captures an image, serves as input to deep learning model, which has the object detection. The Output will be audio.

Allowing Permissions in Set Up Process

Limited Number of Users (Power Users)

Targeting More Users with the Least Cost

Enter New Market

Decrease Market Demand

Obstacles to Be Faced

New Competitors

Lack of Field Experience

May Be Affected by environmental issues

Competition of Other Projects

Deadline and Time Management

Collaborative team

Not Costly

Modern Technology

**SWOT**

**Analysis**

**THREATS**

**OPPORTUNITIES**

**WEAKNESSES**

**STRENGTHS**

Ideas for Improvement to Support Changes

The Captured Images May Be Blurred

Clearly Defined Goals

User Friendly

Weakness of Competitors

Increase Reputation in Market