

Master AI Graduation Project 1 Template

Title Page

- **Title of the Project** Analyzing facial emotions using artificial intelligence.
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- **Institution Name:** Midocean University
- **Advisor:** Dr. Ashraf Elsayed.

Abstract

- A brief summary of the project, including the problem, methodology, and key findings (150–250 words).

1. Introduction

- **Background and motivation**

Facial emotion analysis has been and still is one of the sciences of psychology, sociology and neuroscience through which customer and patient behavior and even gaming experiences are studied. Artificial intelligence has been introduced to help speed up the analysis and classification of emotions better in these different areas such as customer reactions in the job market, in emotional care to determine the patient's condition, in improving gaming experiences to get better results.

- **Problem statement**

Despite the progress of AI science specialized in analyzing facial emotions, there are many limitations that hinder responses and reliability, including:

- 1- Facial contrast
- 2- The presence of diverse data
- 3- Real-time processing limitations
- 4- Ethical concerns

- **Research objectives**

Enhance and enable classifications for analyzing facial expressions through the skills acquired from the Master's program to develop my own skills and gain sufficient knowledge for the field of work.