

# Graduation Project

Mohamed Emary

August 14, 2023

## Abstract

Final result of graduation project ideas meeting discussion.

## Contents

<b>1</b>	<b>Idea Per Team Member</b>	<b>2</b>
1.1	Dalia . . . . .	2
1.1.1	Fake Signature/Money Detector . . . . .	2
1.1.2	Breast Cancer Detection . . . . .	2
1.2	Mohamed Emary . . . . .	2
1.2.1	E-Commerce Application with AI Recommendation System . . . . .	2
1.2.2	Examination Management System . . . . .	3
1.2.3	Learning Management System . . . . .	3
1.2.4	Carbon Footprint Prediction Website . . . . .	3
1.2.5	Attendance System Using Face Recognition . . . . .	3
1.3	Sara . . . . .	3
1.3.1	Online Shipment Tracking System . . . . .	3
1.4	Abdelfattah . . . . .	3
1.4.1	Education System . . . . .	3
1.5	Shrouk . . . . .	3
1.5.1	Simulation . . . . .	3
1.6	Mohamed Abdelfattah . . . . .	3
1.6.1	Recycling Application . . . . .	3
<b>2</b>	<b>Meeting Results</b>	<b>4</b>
2.1	Final Project Ideas Based on Priority . . . . .	4
2.2	Who Will do What . . . . .	4
2.3	Instructors We Will Try to Contact . . . . .	4

# 1 Idea Per Team Member

## 1.1 Dalia

### 1.1.1 Fake Signature/Money Detector

[Links to datasets](#)

Implementation Can be either:

- Web Application
- Desktop application

Possible Problems:

- Lack of real-life examples
- English fake signatures will not be the same as Arabic ones.

Stacks Included:

- ML & AI
- Web (Front & Backend)
- Database (NoSQL or SQL)

### 1.1.2 Breast Cancer Detection

Implementation Can be either:

- Web application
- Desktop application

Stacks Included:

- ML & AI
- Web (Front & Backend)
- Database (NoSQL or SQL)

---

## 1.2 Mohamed Emary

### 1.2.1 E-Commerce Application with AI Recommendation System

Implementation Can be Web Application

Stacks Included:

- ML & AI
- Web (Front & Backend)
- Database (NoSQL or SQL)

- 1.2.2 Examination Management System**
  - 1.2.3 Learning Management System**
  - 1.2.4 Carbon Footprint Prediction Website**
  - 1.2.5 Attendance System Using Face Recognition**
- 

## **1.3 Sara**

### **1.3.1 Online Shipment Tracking System**

Implementation Will be a Web Application

Stacks Included:

- Web (Front & Backend)
  - Database (NoSQL or SQL)
- 

## **1.4 Abdelfattah**

### **1.4.1 Education System**

Implementation Will be a Web Application

Stacks Included:

- Web (Front & Backend)
  - Database - SQL
- 

## **1.5 Shrouk**

### **1.5.1 Simulation**

---

## **1.6 Mohamed Abdelfattah**

### **1.6.1 Recycling Application**

Implementation Will be a Web Application

Stacks Included:

- Web (Front & Backend)
- Database (NoSQL or SQL)

## 2 Meeting Results

### 2.1 Final Project Ideas Based on Priority

1. **E-Commerce Website with AI Recommendation System - First Priority**
2. **Learning Management System - Second Priority**

The AI Recommendation System in the E-Commerce Website is **Optional** depending on however we will be able to implement it or not.

---

### 2.2 Who Will do What

Task	Team Members
ML & AI	Abdelfattah, Mohamed Abdelfattah, Mohamed Emary
Frontend	Dalia, Shrouk, Sara
Backend & Database (NoSQL or SQL)	Abdelfattah, Mohamed Abdelfattah, Mohamed Emary
Docs + UML Diagrams	Everyone
UI/UX	Optional if we didn't use a template

Everyone should learn at least the basic **Git & GitHub** usage.

But tasks are still flexible.

### 2.3 Instructors We Will Try to Contact

#### Professors:

1. Ahmed Hagag
2. Tamer Abbassy

#### Teaching Assisitants:

1. Abdullah Elghamry
2. Alshimaa
3. Doaa Elbably