

Graduation Project

Mohamed Emary

August 5, 2023

Abstract

Final result of graduation project ideas meeting discussion.

Contents

1	Idea Per Team Member	2
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
2	Meeting Results	4
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, Moghieth, Emary
Frontend	Dalia, Shrouk, Sara
Backend & Database (NoSQL or SQL)	Abdelfattah, Moghieth, 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