



Group No: 23308

Qena STEM School

Grade 12 Semester 1 2025/2026

Name

Youssef Khaled Mohamed Ashour

ID

2323056

Cap Leader Signature

Week

1

Date

28 Sep -2 Oct 2025

Topic

Present and Justify a Problem and Solution Requirements

Portfolio

2 Grand Challenges

Poster

Prototype

Week

2

Date

5-9 Oct 2025

Topic

Justify a Solution Requirements Generating and Defending a Solution

Portfolio

2 Prior Solution

Poster

Prototype

Week

3

Date

12-16 Oct. 2025

Topic

Generating and Defending a Solution

Portfolio

Collect chapter one

Poster

Prototype

Participated in deciding the prototype

Week

4

Date

19-23 Oct. 2025

Topic

Generating and Defending a Solution

Portfolio

Solution and design requirements

Poster

Prototype

Helped modify the prototype design

Week**5****Date****26-30 Oct 2025****Topic****Constructing and Testing a Prototype****Portfolio**

Collect chapter Two and write Introduction part of analysis

Poster

make Introduction part of analysis

Prototype

Continued electronic connections and initial microcontroller setup

Week**6****Date****2-6 Nov. 2025****Topic****Constructing and Testing a Prototype****Portfolio**

Test plan

Poster

Test plan

Prototype

Tested code functionality and adjusted connections based on test results.

Week**7****Date****9-13 Nov. 2025****Topic****Constructing and Testing a Prototype****Portfolio**

Collect chapter three and write Negative and possitive results

Poster

Write Negative and possitive results In analysis

Prototype

See the points of weakness and pionts of strengh of our system

Week**8****Date****16-20 Nov. 2025****Topic****Constructing and Testing a Prototype****Portfolio**

Write Data analysis

Poster

Write Data analysis

Prototype

Analysis system conditions

Week**9****Date****23-27 Nov. 2025****Topic****Constructing and Testing a Prototype: Evaluation, Reflection, Recommendations****Portfolio**

Write Data analysis

Poster

Write Data analysis

Prototype

Ensured wiring and electronics were safely arranged and hidden where possible.

Week**10****Date****30 Nov. 4 Dec 2025****Topic****Constructing and Testing a Prototype: Evaluation, Reflection, Recommendations****Portfolio**

Collect chapter 4 and write Contact information and key words

Poster

Write Abstract , Contact information and key words

Prototype

Performed final system checks to ensure the prototype works properly.

Week

11

Date

7-11 Dec 2025

Topic

Finalize the Poster, the Portfolio, and the prototype

Portfolio

Review

Poster

Review

Prototype

Review

The Team :

Team member (1)

Team member (2)

Team member (3)
