Internship Evaluation & Reporting

Thank you for taking the time to complete this form, this evaluation will be used to assess the student's participation in the internship program.

Supervisors, using the form below please evaluate the student who interned with your organization, institution, or business. You can fill out this form electronically or you can fill it manually but eventually it must be signed and stamped from the company's side.

Please note that part I & III should be completed by the intern, part II should be completed by the direct supervisor in the company.

Part I. GENERAL INFORMATION – STUDENT'S INPUT

Student Info:

Student Name: Omar Hany Mohamed   GUC Student ID No.: 43-5802

Faculty: Engineering   Major: Media Engineering & Technology

Student Mobile No.: 01117688815

Internship Info:
Company Name: German University in Cairo
Core Industry/Business: ARAtronics Laboratory Country: EGYPT
Supervisor Name: Amir Roushdy Ali Supervisor Job Title: Assistant Professor
Supervisor Tel. No.: +53567
Supervisor E-mail: amir.ali@guc.edu.eg Training Department(s): Research
Source of internships: (1) SCAD office (2) on my own (3) Referrals from GUC TA/Dr. (4) Recruitment website (5) others:
Work Place: (1) Organization (2) Head Office (3) Branch (4) Factory (5) Site (6) Others: ------------

Part II. EVALUATION AND COMMENTS – DIRECT SUPERVISOR'S INPUT

Period of Internship **(dd/mm/yyyy)**
From: 22 / 11 / 2021   to: 22 / 02 / 2022 **(dd/mm/yyyy)**

Internship nature (Enrollment Status)

☑ Part time   Please specify, no. of Days per week: 2 days   hours per day: 8 hours

☐ Full time   Please specify, no. of Days per week: _____   hours per day: _____

Company Stamp

ARAtronics Lab

For SCAD internal use only

Serial no.	SCAD Comment	Academic Reviewer Comment	Academic Reviewer Signature
			☐ Accepted ☐ Rejected Reason of rejection: Signature:

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Please evaluate student's performance by marking the appropriate box:

For each of the following aspects, please mark the box in the rating scale that most closely corresponds to your evaluation of the profile of the student during the internship period. Please also feel free to offer comments and suggestions for changes and improvements in the space provided at the end of the form.

1=Unsatisfactory	2=Below Average	3=Satisfactory	4=Above Average	5=Excellent

	1	2	3	4	5	NA
Skills & Professional Attributes						
Ability to adapt to change				✔		
Analytical skills			✔			
Collecting data/ research data skills				✔		
Creativity				✔		
Follow up skills				✔		
Interpersonal skills with peers, supervisors, and clients				✔		
Problem solving					✔	
Punctuality			✔			
Reporting skills			✔			
Responsibility and accountability				✔		
Stress handling			✔			
Taking initiatives				✔		
Teamwork			✔			
Time management						
Other:						
Technical Background						
Technical Knowledge				✔		
Compatibility of technical skills with the job				✔		
Other:						
Command of Languages						
Arabic				✔		
English				✔		
German						
Other:						

1=Unsatisfactory	2=Below Average	3=Satisfactory	4=Above Average	5=Excellent

	1	2	3	4	5	NA
Computer Programs & Databases Please use space below in specifying the program/software used during the internship and evaluate student's performance accordingly						
Matlab *ARDUINO*				✔		

Overall Evaluation of Student's performance and profile

Unsatisfactory	Improvement needed	Meets expectations	Exceeds expectations	Exceptional	NA
		(circled)			

General Comments & Recommendations: (kindly mention intern potentials, areas of further development or technical constraints encountered during the internship period)

_____

_____

_____

_____

_____

_____

	Yes	No	Maybe
Do you think similar candidates would fit in the Organization culture and qualify for job needs?	€	€	€

Student Signature:

_____

Date:

_____

Supervisor Signature:

Dr. Amir

Date:

May 24th 2022

Agile Management Website

ARAtronics Research Center

Internships are opportunities to provide undergraduates a chance to relate their theoretical knowledge with the real life applications.. This summer I participated in building a website for the ARAtronics lab at the GUC. Apart from technical knowledge of course my objective from this internship was to learn how to work in a team, how to connect all courses I learnt in the university and work in a professional manner. In this report I am going to talk about the ARAtronics Lab and its vision, describe the tasks and how the internship went and list the skills I acquired for the internship.

Company / Organization Description

ARAtronics Research Center (Applied-Science & Robotics Laboratory for Applied-Mechatronics) is a multi-disciplinary research and development center for the opto-mechatronics solutions located at the German University in Cairo.. The typical Mechatronics systems are keen to implement a typical closed-loop feedback control for any automation systems. In the ARAtronics Research Center, they are developing extremely sensitive micro sensors and actuators that could enrich the typical Mechatronics close-loop feedback algorithms in a very significant way. The importance of using these micro-optical sensors and integrated with the typical Mechatronics systems will open the door to introduce a new technology based on the opto-mechatronics devices. One of their goals is to integrate some of the optical components to the typical micro-electro-mechanical systems (MEMS) to build new devices that will be very fast enough to deal with the control feedback and automation signals because it depends on speed of light. They are focusing into the process of fabrication, and signal processing for these new smart sensors and actuators. Also, the integration with several applications in Mechatronics and robotics that are used at any automated process will be part of our research not only from the analytical studies but also from the experimental and implementation point of views.

Internship Performed Tasks: (Not less than 100 words)

During this internship I was working on an Agile Management System to assign tasks for the ARAtronics labs members and track their performance. First I learned how the agile methodology is working to know how to track the performance.The website includes graphs to track tasks performance, whiteboards for the team to share ideas , in addition to that, it includes instant chat between members. I was working in a team of two. I was responsible for the backend and the database. I used Django framework and Graphql API to build it. We used postgresQL in the database. As for the Frontend we used React Js and Bootstrap. We built an authentication and authorization system (token based).
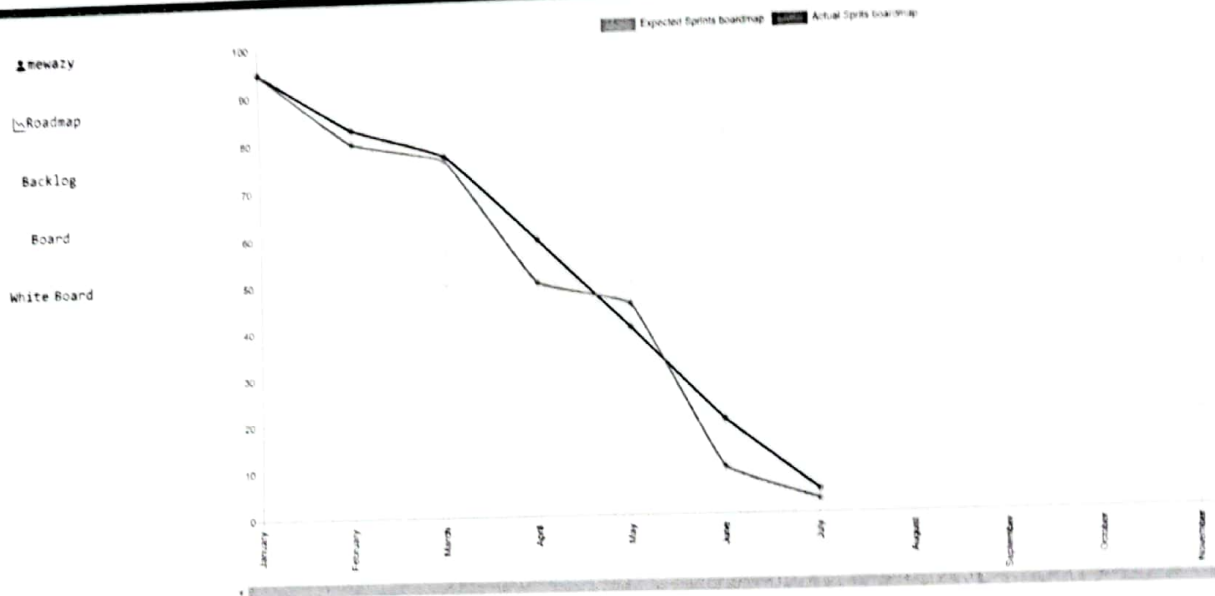
Student Career & Alumni Development Office. scad@guc.edu.eg | German University in Cairo New Cairo City - Main Entrance Al Tagamoa Al Khames; Egypt

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Sign in to Scrum Terminal

Email address

Passworrd   Forget account?

Sign in

New to Scrum Terminal? Create an account

Expected Sprints boardmap   Actual Sprits boardmap

mewazy

Roadmap

Backlog

Board

White Board

newazy

Roadmap

Backlog

Board

White Board

Backlog

efafs

dsdaa

dsdas

⊕ **Create Task Issue**

Create Sprint

2r 3 story points ...
2r 3 story points ...
2r 3 story points ...

SCRUM sprint2

usayvay

task

ⓘ **Start Sprint**

2r 3 story points ...
2r 3 story points ...

Search

newazy

Roadmap

Backlog

Board

White Board

ARAtronics   ↺ ↻ ⊕ 100% ▾ ⊖ ⟳ ✕ ▣ ▾

ARAtronics Lab

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Internship Evaluation: (Not less than 100 words) (This section should answer the following questions in the form of a paragraph)

During the internship I gained a lot of skills: technical and non-technical. As for technical skills, I know how to work with the Django framework and Graphql API which is different from the REST API. In addition to that I learned how to connect the frontend with the backend using Graphql API. I learned how to make token based authentication and authorization. As for the non-technical skills, I am now good with working with a team as I was working with a colleague and we divided the tasks among us.I also know how to gather requirements from clients. The most related courses to the internship is CSEN 704 Advanced Computer Lab.

Conclusion: (Not less than 100 words) (A summary of key conclusions derived from the internship experience. general observations about the sector in which your internship company/institution operates)

To conclude, I really enjoyed this internship experience. Working for ARAtronics Research Center was very fascinating. I got technical and non-technical knowledge. I made new friends and contacts. I knew how professional work goes. I dealt with a lot of new frameworks and tools. I knew how to apply knowledge I got from courses from the university in a practical manner. For sure I will recommend this internship to my friends and colleagues