

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: Ahmed Hossam Eldin Ahmed GUC Student ID No.: 34-3465

Faculty: MET Major: Engineering

Student Mobile No.: +201121567869

Internship Info:

Company Name: Systech

Core Industry/Business: Automation systems Country: Egypt

Supervisor Name: Yasser Ragab Supervisor Job Title: Technical manager

Supervisor Tel. No.: _____ Supervisor Mobile No.: +201111142992

Supervisor E-mail: yasser.ragab@engsystech.com Training Department(s): Technical

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) (dd/mm/yyyy)

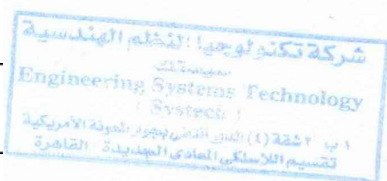
From: 1/7/2020 **To:** 30/9/2020

Internship nature (Enrollment Status)

€ Part time Please specify, no. of Days per week: _____ hours per day : _____

€ Full time Please specify, no. of Days per week: 5 hours per day : 8

Company Stamp



Yasser Ragab

For SCAD internal use only

Serial no.	SCAD Comment	Academic Reviewer Comment	Academic Reviewer Signature
			<input type="checkbox"/> Accepted <input type="checkbox"/> Rejected Reason of rejection: Signature:

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				X		
Analytical skills				X		
Collecting data/ research data skills				X		
Creativity			X			
Follow up skills				X		
Interpersonal skills with peers, supervisors, and clients				X		
Problem solving				X		
Punctuality			X			
Reporting skills			X			
Responsibility and accountability			X			
Stress handling			X			
Taking initiatives				X		
Teamwork				X		
Time management			X			
Other:						
Technical Background						
Technical Knowledge				X		
Compatibility of technical skills with the job				X		
Other:						
Command of Languages						
Arabic					X	
English					X	
German	X					
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						
Citect SCADA			X			
Ecostruxure Control Expert			X			
MSS				X		

Overall Evaluation of Student's performance and profile					
Unsatisfactory	Improvement needed	Meets expectations	Exceeds expectations	Exceptional	NA
			X		

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

Ahmed is a high-potential intern who can learn quickly and is dedicated to his work. He is inventive and can contribute to any project that is assigned to him.

Yes No Maybe

Do you think similar candidates would fit in the Organization culture and qualify for job needs?

X

Student Signature:

Ahmed Hossam

Date:

03/07/2022

Supervisor Signature:

Yasser Ragab

Date:

3/7/2022

Part III. INTERNSHIP REPORT – STUDENT’S INPUT

- This report has to be prepared by the student, it must be prepared and written in a **computerized** format, submitting the report in hand written format will not be accepted.
- Kindly refer to the Internship Report writing Guidelines on the GUC intranet – SCAD office folder.
- This report will be reviewed and evaluated from internal faculty members.

Internship Title: automation control internship

Company / Organization Name: Systech

Introduction: As a GUC MET student, I was seeking for ways to professionally broaden my practical expertise. As a result, when I was offered an internship at Systech, I was thrilled to begin applying my academic skills to my professional career as a problem solver and software developer. Systech also stood out for me because of my passion for automation control , which is slightly different from the technologies I use in my studies, so being able to put my self-learning and adaptability to the test in a professional setting ensures my ability to work professionally as an engineer. In this report, I'll talk about my time at Systech, including the tasks I completed, the technologies I learned, and my internship evaluation.

Company / Organization Description: SysTech is a system integrator company that pioneered entire automation/digitalization solutions. It was founded in 2003 and has since completed numerous big, medium, and small-scale automation projects with great success. They provide solutions in various applications, and serve different sectors including: Power stations, electrical distribution and transmission, oil and gas, water/wastewater treatment, production lines, and industrial plants.

In terms of automation/digitalization, SysTech delivers everything required to make your system work. Simply explain your requirements, and they will supply you with a comprehensive solution, not only in terms of equipment variety but also in service types.

They offer solutions for SCADA, DCS, and Drives, as well as parking systems, leakage systems, smart irrigation, robotics, instrumentation, and smart buildings. These solutions are used in a variety of industries, including water and waste water treatment, airports, construction, industry, and agriculture.

Internship Performed Tasks:

1. Understand Programmable Logic Controllers (PLC) basic configuration:

I had read and studied several PLC catalogs to understand the used products and their differences and how they can be configured

2. Understand PLC programming logic and languages: Used different PLC programming languages such as Instructions List (IL) and Ladder Diagrams (LD) to Initiate all the conditions for starting the specified task,

Reading and evaluating all binary and analog input signals, Specifying output signals to all binary and analog output signals, Executing interrupts and handling errors.

3. Understand Supervisory Control and Data Acquisition (SCADA) software package and integration with PLC controllers

4. Understand SCADA back-end and logging database configuration

5. Develop a SCADA database replication solution for multiple servers with data checking and gap filling features in real time for huge data manipulation

Internship Evaluation: Fortunately, throughout my internship at Systech, I obtained a wide range of soft and technical abilities. The internship exceeded my expectations as a learning practical experience that would help me advance in my career. It was also very beneficial in closing the gap between my theoretical understanding from my studies and the professional field. Furthermore, it was very important to test my knowledge acquiring and critical thinking skills in a field that I didn't directly study.

Conclusion: My experience with Systech was unquestionably a valuable stepping stone in my engineering career. It improved my problem-solving, communication, and teamwork abilities, in addition to the previously mentioned technical abilities. Most importantly, this internship greatly boosted my confidence as a student on the cusp of graduation, which is critical for me to begin facing the market after I graduate from GUC.

Please rate your satisfaction with the internship experience.

☒ Very satisfied ☐ Somehow satisfied ☐ Neutral ☐ Somehow dissatisfied ☐ Very dissatisfied

Would you recommend this internship to other colleagues?

☐ Yes ☐ No ☒ Maybe

References: (If any external sources are used, provide references for any information quoted)

Appendices: (Upon availability, charts, pictures, etc.)

Disclosure / Confidentiality Agreement

This agreement is to acknowledge that the information provided by any company / organization during the internship is unique to this business and confidential.

Therefore, anyone reading this agreement agrees not to disclose any of the information provided during the internship without notifying & taking the employer's / supervisor's approval.

Certificate of Internship

To whom it may concern,

This is to certify that the student whose information is provided hereunder has successfully completed an internship at the company for the specified duration and has successfully fulfilled the assignments described below as a member of a team of three interns.

Name	Ahmed Hossameldin Ahmed Abdelfattah Mohamed
National ID Number	29612078800091
University	German University in Cairo (GUC)
Department	Media Engineering and Technology (MET)
Internship Period	3 Month
Starting from	1/7/2020
Until	30/9/2020
Assignments	<ol style="list-style-type: none"> 1. Understand Programmable Logic Controllers (PLC) basic configuration 2. Understand PLC programming logic and languages 3. Understand Supervisory Control and Data Acquisition (SCADA) software package and integration with PLC controllers 4. Understand SCADA back-end and logging database configuration 5. Develop a SCADA database replication solution for multiple servers with data checking and gap filling features in real time for huge data manipulation

This certificate has been issued upon his request with no legal liabilities on the company. For any clarifications and/or queries, please contact Eng. Yasser Ragab either by phone or by email on the following:

Phone: +20 11 1114 2992

Email: yasser.ragab@engsystech.com

Yasser Ragab

Technical Manager