



Jouf University  
Rectorate for Development and Quality  
Deanship of Quality and Academic Accreditation

جامعة الجوف  
Jouf University



**Results of the evaluation of  
Program: Computer Engineering  
and Networks  
Section: Male  
College of: Computer and  
Information Sciences  
(1441/1442 AH)**

Deanship of Quality and Academic Accreditation  
1441/1442 AH



**Analysis of the results of the survey of opinions of the students  
on the evaluation of the **Computer Engineering and Networks** Program  
Academic year 1441-1442 AH.**

This analysis was based on a survey specifically designed to determine the results of student evaluation of the university programs. This survey included four aspects as follows:

The first theme: Assistance and support provided to the student.

The second theme: Resources for education support.

The third theme: Evaluation of the education received by the student.

The fourth theme: Evaluation of the program leaning outcomes

The fourth theme: Overall Evaluation

The total number of students who responded to this survey (sample size) was **28**. The response of the male students to the survey was distributed as follows:

Students (in the last year)	Number
Male	<b>28</b>

The survey used the five-point scale (Likert scale), and the mean and orientation were calculated for each item. The orientation (degree of agreement) was based on the weighted average as follows:

Position (degree of agreement)	Weighted average value
<b>Very Low (V. Low)</b>	Less than 1.80
<b>Low</b>	From 1.80 to less than 2.60
<b>Average</b>	From 2.60 to less than 3.40
<b>High</b>	From 3.40 to less than 4.20
<b>Very High (V. High)</b>	Greater than or equal to 4.20

To verify the validity and reliability of the statements in each theme, the validity and reliability (Alpha Cronbach) was tested on the three themes of the questionnaire as follows:

**Validity and reliability coefficient of the questionnaire:**

Number of items in each theme	Titles of the themes of the questionnaire	Theme
7	Assistance and support provided to the student	<b>First</b>
7	Resources for education support.	<b>Second</b>
7	Evaluation of the education received by the student.	<b>Third</b>
11	Evaluation of the program learning outcomes	<b>Fourth</b>
1	Overall Evaluation	<b>Fifth</b>

**Where the scale showed the validity and reliability of all the themes of the questionnaire. The following is a summary of the results of the survey and analysis of the results:**

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**First theme:** Assistance and support provided to the student:

Statement		Strongly Agree		Agree		Not Sure		Disagree		Strongly Disagree		% of agreement	Weighted Average	Degree of agreement
		N	%	N	%	N	%	N	%	N	%			
1.	I had appropriate academic and professional advising during my studies in the program.	7	25	11	39,29	5	17,86	3	10,72	2	7,15	<b>64,29</b>	<b>3,22</b>	Average
2.	The faculty members was available for guidance and advice when I needed to talk to them.	6	21,43	13	46,43	3	10,72	3	10,72	3	10,72	<b>67,86</b>	<b>3,4</b>	High
3.	The faculty members in the department encouraged me to do my best.	7	25	10	35,72	5	17,86	2	7,15	4	14,29	<b>60,72</b>	<b>3,04</b>	Average
4.	The faculty members in the department provided feedback on my work (through midterm exams and quizzes....)	1	3,58	17	60,72	3	10,72	2	7,15	5	17,86	<b>64,3</b>	<b>3,22</b>	Average
5.	The faculty members of the department has a great knowledge of the topic of the courses they teach.	8	28,58	8	28,58	5	17,86	2	7,15	5	17,86	<b>57,16</b>	<b>2,86</b>	Average
6.	The faculty members in the department was enthusiastic about the work.	6	21,43	11	39,29	3	10,72	3	10,72	5	17,86	<b>60,72</b>	<b>3,04</b>	Average
7.	The faculty members paid attention to	2	7,15	12	42,86	6	21,43	1	3,58	7	25	<b>50,01</b>	<b>2,51</b>	Low

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the progress of their students.														
<b>Overall result of the theme</b>												<b>60,72</b>	<b>3,04</b>	Average

The results in the above table show that **60,72%** of students are satisfied with first theme of the offered program which is "Assistance and support provided to the student". The overall weighted average is 3,04 out of 5. Therefore, the degree of agreement is Average.

**Second Theme:** Resources for education support:

Statement	Strongly Agree		Agree		Not Sure		Disagree		Strongly Disagree		% of agreement	Weighted Average	Degree of agreement
	N	%	N	%	N	%	N	%	N	%			
8. The course materials were up-to-date and useful.	3	10,72	13	46,43	7	25	1	3,58	4	14,29	<b>57,15</b>	<b>2,86</b>	Average
9. Library resources were convenient and available whenever I needed them.	2	7,15	13	46,43	6	21,43	1	3,58	6	21,43	<b>53,58</b>	<b>2,68</b>	Average
10. The facilities of the halls (for lectures, laboratories, and lessons) were of good quality.	4	14,29	9	32,15	6	21,43	4	14,29	5	17,86	<b>36,44</b>	<b>1,82</b>	Low
11. The computer equipment was sufficient for my needs.	8	28,58	8	28,58	3	10,72	5	17,86	4	14,29	<b>57,15</b>	<b>2,86</b>	Average
12. Adequate facilities are provided for extracurricular activities (including sports and recreation facilities).	3	10,72	9	32,15	8	28,58	1	3,58	7	25	<b>42,87</b>	<b>2,15</b>	Low

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13.	There are facilities suitable for religious rituals.	12	42,86	10	35,72	1	3,58	1	3,58	4	14,29	<b>78,58</b>	<b>3,93</b>	High
14.	The field training programs (or internship year) have been effective in developing my skills.	5	17,86	8	28,58	11	39,29	0	0	4	14,29	<b>46,44</b>	<b>2,33</b>	low
<b>Overall result of the theme</b>												<b>53.16</b>	<b>2.65</b>	Average

The results in the above table show that 53.16 % of students are satisfied with second theme of the offered program which is "Resources for education support". The overall weighted average is 2.65 out of 5. Therefore, the degree of agreement is Average.

**Third Theme:** Evaluation of the education received by the student:

Statement	Strongly Agree		Agree		Not Sure		Disagree		Strongly Disagree		% of agreement	Weighted Average	Degree of agreement	
	N	%	N	%	N	%	N	%	N	%				
15.	What I learned in this program (department) will be important for my future.	9	32,15	13	46,43	2	7,15	1	3,58	3	10,72	<b>78,58</b>	<b>3,93</b>	High
16.	The program has helped me to develop an interesting effort to keep my knowledge and skills current.	7	25	10	35,72	5	17,86	3	10,72	3	10,72	<b>60,72</b>	<b>3,04</b>	Average
17.	The program has improved my ability to investigate and solve new problems.	8	28,58	13	46,43	2	7,15	2	7,15	3	10,72	<b>75,01</b>	<b>3,76</b>	High
18.	The program has improved my ability	7	25	13	46,43	4	14,29	2	7,15	2	7,15	<b>71,43</b>	<b>3,58</b>	High

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	to work effectively with groups.													
19.	The program has improved my communication skills.	8	28,58	14	50	0	0	2	7,15	4	14,29	78,58	3,93	High
20.	The program helped me to develop my fundamental skills for technology deployments (studying issues and analyzing results).	7	25	13	46,43	2	7,15	3	10,72	3	10,72	71,43	3,58	High
21.	I have developed the knowledge and skills necessary for my chosen profession.	5	17,86	14	50	2	7,15	3	10,72	4	14,29	67,86	3,4	High
<b>Overall result of the theme</b>												<b>71,94</b>	<b>3,6</b>	High

The results in the above table show that 71,94% of students are satisfied with third theme of the course which is "Evaluation of the education received by the student". The overall weighted average is 3,6 out of 5. Therefore, the degree of agreement is High. Most of the statements ranged between 3.04 to less than 3.93 out of 5.

**Fourth Theme:** Evaluation of the program learning outcomes

Statement	Strongly Agree		Agree		Not Sure		Disagree		Strongly Disagree		% of agreement	Weighted Average	Degree of agreement	
	N	%	N	%	N	%	N	%	N	%				
22.	K1 Demonstrate sound knowledge of contemporary issues.	7	25	10	35,72	5	17,86	2	7,15	4	14,29	60,72	3,04	Average
23.	K2 Demonstrate sound knowledge of engineering problems.	2	7,15	13	46,43	6	21,43	1	3,58	6	21,43	53,58	2,68	Average

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24.	K3 Demonstrate sound knowledge of mathematics, science, and engineering.	8	28,58	13	46,43	2	7,15	2	7,15	3	10,72	<b>75,01</b>	<b>3,76</b>	High
25.	S1 Design and prepare experiments, as well as to analyze and interpret data.	2	7,15	13	46,43	6	21,43	1	3,58	6	21,43	<b>53,58</b>	<b>2,68</b>	Average
26.	S2 Develop a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.	5	17,86	14	50	2	7,15	3	10,72	4	14,29	<b>67,86</b>	<b>3,4</b>	High
27.	S3 Analyze and solve engineering problems. problems.	7	25	13	46,43	2	7,15	3	10,72	3	10,72	<b>71,43</b>	<b>3,58</b>	High
28.	S4 Illustrate an ability to communicate effectively.	6	21,43	13	46,43	3	10,72	3	10,72	3	10,72	<b>67,86</b>	<b>3,4</b>	High
29.	S5 Demonstrate an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	8	28,58	8	28,58	3	10,72	5	17,86	4	14,29	<b>57,15</b>	<b>2,86</b>	Average
30.	V1 Demonstrate an ability to function on multidisciplinary teams.	3	10,72	13	46,43	7	25	1	3,58	4	14,29	<b>57,15</b>	<b>2,86</b>	Average
31.	V2 Show professional and ethical responsibility.	1	3,58	17	60,72	3	10,72	2	7,15	5	17,86	<b>64,3</b>	<b>3,22</b>	Average



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<b>32.</b>	V3 Justify the ability to engage in life-long learning.	4	14,3	15	53,5	2	7,15	3	10,72	4	14,29	<b>67,86</b>	<b>3,4</b>	High
<b>Overall result of the theme</b>												<b>62.66</b>	<b>3.13</b>	Average

The results in the above table show that 71,94% of students are satisfied with fourth theme of the course which is "Evaluation of the program learning outcomrs". The overall weighted average is 3.13 out of 5. Therefore, the degree of agreement is average. Most of the statements ranged between 2.68 to less than 3.58 out of 5.

**Fifth Theme: Overall Evaluation**

Statement	Strongly Agree		Agree		Not Sure		Disagree		Strongly Disagree		% of agreement	Weighted Average	Degree of agreement
	N	%	N	%	N	%	N	%	N	%			
<b>33.</b> In overall, I am satisfied with the quality of my educational experience at the university.	6	21,43	10	35,72	4	14,29	4	14,29	4	14,29	<b>57,15</b>	<b>2,86</b>	Average
<b>Overall result of the theme</b>											<b>57,15</b>	<b>2,86</b>	Average

The overall results of the fifth theme is presented in the above table. The percentage of agreement is 57,15%, the weighted average is 2,86 out of 5, and the degree of agreement is Average .

**Although the "Average" estimation indicates that more than half of those who responded to the questionnaire were somewhat satisfied, however, more attention should be paid to statements that achieved average rating in order to obtain higher quality. will only focus primarily on statements that have been evaluated by low or very low, which are stated in the following table:**

**Proposed plans for improvement:**

Items for Improvement	Statements	
<b>First theme:</b> Assistance and support provided to the student:		
More than half of the students who filled out the questionnaire had the opportunity for academic advising, but the advising activities should be diversified and the advertising process for students should be improved through academic advisors. It is also necessary to focus on career counseling, which is less fortunate in practice than academic counseling.	I had appropriate academic and professional advising during my studies in the program.	1
This can be addressed by programs that explore students' different possibilities and push them to perform their best, effective communication through college clubs, and increased activation of office hours and the role of the academic advisor.	The faculty members in the department encouraged me to do my best.	3
The department will motivate the faculty members to discuss the test paper with the student and point out his/her mistakes. The department will also be keen to return the grades of the semester work within few days so as to benefit from in the feedback.	The faculty members in the department provided feedback on my work (through midterm exams and quizzes....)	4
As much as feasible, ensure that the course coordinator has substantial experience and has worked in the appropriate field for several years. It is also preferable not to switch a	The faculty members of the department has a great knowledge of the topic of the courses they teach.	5

professor of a course frequently. Furthermore, students' evaluations of the course are frequently subjective and based on their feelings toward the professor rather than his performance.		
It is necessary that the faculty members in the department work to deliver positive signals to students during the teaching process. This point can be improved through workshops for faculty members dedicated to training them on the mechanisms of effective	The faculty members in the department was enthusiastic about the work.	6
Commitment to immediately correcting assignments and tests, as well as following up on students who fall behind in class to fix the existing deficit and take the required steps to repair the shortage, such as highlighting office hours or providing supplementary scientific resources. It can also concentrate on specialized training and professional courses to help some exceptional students advance.	The faculty members paid attention to the progress of their students.	7
<b>Second Theme: Resources for education support:</b>		
It is vital to introduce the department's modern educational resources, the value of the course, and the weekly plan during the initial lectures.	The course materials were up-to-date and useful.	8
To emphasize the importance of the library and the references in it and the need to take advantage of them. Motivating the borrowing of a specific book from the library and its use among the main resources of the course	Library resources were convenient and available whenever I needed them.	9
Labs and halls should be better presented and organized so as to leave a better impression on the student	The facilities of the halls (for lectures, laboratories, and lessons) were of good quality.	10

It is important to reserve a free computer room for the students.	The computer equipment was sufficient for my needs.	1
The indicator is low due to the epidemic covid-19.	Adequate facilities are provided for extracurricular activities (including sports and recreation facilities).	12
One should advise the student to be more carefully by the choice of the internship, as this is a very important opportunity to get a job later	The field training programs (or internship year) have been effective in developing my skills.	14
<b>Third Theme:</b> Evaluation of the education received by the student:		
Continuing education and certification programs can improve reliability and reflect a commitment to the profession.	The program has helped me to develop an interesting effort to keep my knowledge and skills current.	16
<b>Fourth Theme:</b> Evaluation of the program learning outcomes		
Pursue to increase the awareness about the importance of Professional training courses to the students to enrich their knowledge in the field of computer engineering and networks	K1 Demonstrate sound knowledge of contemporary issues.	17
	K2 Demonstrate sound knowledge of engineering problems.	18
Courses and tutorials should have more interaction with application of multidisciplinary areas that covers economic, environmental, and societal context.	S1 Design and conduct appropriate experimentation including data analysis, interpretation, and drawing conclusions.	20
Pursue to encourage faculty to involve mini-projects especially at high level courses so as to develop the ability of students to apply what they have learned, use technical tools and develop skills so as to solve complex engineering problems	S5 Use the techniques, skills, and modern engineering tools necessary for engineering practice.	24
Emphasize the importance of clubs in the CEN department to the students (Electronics, Technology and Programming Clubs) and their role in developing the ability of students to communicate with others and working in teams.	V1 Participate effectively on a team as a member providing leadership, creating collaborative and inclusive environment, establishing goals, planning tasks to meet objectives.	25

<p>Increase the awareness of the students about the reliability as one of the most crucial attributes of the engineer.</p>	<p>V2 Support ethical and professional responsibilities in engineering situations including informed judgments with consideration of global, economic, environmental, and societal contexts.</p>	<p>26</p>
<p><b>Fifth Theme: Overall Evaluation</b></p>		
<p>The department committee will improve the quality of the academic and pastoral experience for students.</p>	<p>In overall, I am satisfied with the quality of my educational experience at the university.</p>	<p>22</p>

**Program Coordinator**  
Dr. Anis Boudabbous



## College of Computer and Information Sciences

### Report on Action Plan for 2020-2021

and

### Action Plan for 2021-2022

Based on the results of the evaluation of the Program Evaluation Survey, 2020-2021

Program: Bachelor in Computer Engineering and Networks

### Report on Action Plan for 2020-2021 Based on the results of the Program Evaluation Survey, 2019-2020

Planned Actions	Responsibility of Action	Planned Completion Date	Level of Completion		If Not Completed	
			Completed	Not Completed	Reasons	Proposed Actions
It should be emphasized in the department council that the grades of the semester works should be returned at most one week after the assessment date.	Department Head	05/2021	√	--	--	--
Launch the Ask program	Advising Unit  Course coordinators	05/2021		√	Due to the COVID-19 wave, the courses were only given online, therefore the Ask program couldn't be carried out as it is based on the presence of the faculty members	--

Planned Actions	Responsibility of Action	Planned Completion Date	Level of Completion		If Not Completed	
			Completed	Not Completed	Reasons	Proposed Actions
Give mini-project as assessment method in the high level courses	Course coordinators of the high level courses	05/2021	√			--
Offer training courses related the CEN courses	CIS College CEN Department	05/2021	√			



### Action Plan for 2021-2022, Based on the results of the evaluation of the Program Evaluation Surveys, 2020-2021

No	Recommendation:	Actions	Assessment Mechanism	Responsible person	Start date	Completion date
1	More than half of the students who filled out the questionnaire had the opportunity for academic advising, but the advising activities should be diversified and the advertising process for students should be improved through academic advisors. It is also necessary to focus on career counseling, which is less fortunate in practice than academic counseling.	The advising activities should be diversified and advisory meetings should be organized.	Program Evaluation Surveys	Advisory Unit	09/2021	05/2022
2	The department will motivate the faculty members to discuss the test paper with the student and point out his/her mistakes. The department will also be keen to return the grades of the semester work within few days so as to benefit from in the feedback.	Department should emphasize the necessity of returning the student works within few days	The program outcomes attainment of the skills outcome at high level courses	Department	09/2021	05/2022
3	It is necessary that the faculty	Organize workshops	Faculty member Opinion survey	Department	09/2021	05/2022

	members in the department work to deliver positive signals to students during the teaching process. This point can be improved through workshops for faculty members dedicated to training them on the mechanisms of effective	related to the teaching quality and accreditation for the faculty members		CEN Quality committee		
4	Pursue to increase the awareness about the importance of Professional training courses to the students to enrich their knowledge in the field of computer engineering and networks	Offer training courses related the CEN courses	Attainment results of PLO related skills (S2, S3, S5)	CIS College  Committee of Professional training	09/2021	05/2022
5	Pursue to encourage faculty to involve mini-projects especially at high level courses so as to develop the ability of students to apply what they have learned, use technical tools and develop skills so as to solve complex	Use mini-project to assess high-level courses	The program outcomes attainment of the skills outcome at high level courses	Course coordinators of high level courses	09/2021	05/2022

	engineering problems					
6	Emphasize the importance of clubs in the CEN department to the students (Electronics, Technology and Programming Clubs) and their role in developing the ability of students to communicate with others and working in teams.	Organize a meeting with the students to publicize and reactivate the clubs in the CEN department as presence learning is enacted	Student experience surveys	Department	09/2021	05/2022
7	Increase the awareness of the students about the reliability as one of the most crucial attributes of the engineer.	Organize advising meeting about reliability	Surveys (Program evaluation surveys, Alumni, Employers)	Advising Unit	09/2021	05/2022
8	The perception of students regarding ethical and professional responsibility in engineering situations should be increased by increasing the awareness of this aspect during the graduate project accomplishment. This	Increasing the awareness of ethical and professional responsibility in engineering during the graduate project accomplishment.	The program outcomes attainment of the ethical related outcome at high level courses	Graduate projects coordinators	09/2021	05/2022

aspect should be clearly discussed with students and rubric based assessment should be used where such aspect are taken in consideration					
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Date 10/04/2021

**CEN Program Coordinator**

Dr. Anis Boudabbous

