



Annual Program Report

Program Name:	Information Systems
Qualification Level:	Bachelor (Level 6)
Department:	Information Systems
College:	Computer and Information Sciences
Institution:	Jouf University
Academic Year:	1441-1442
Main Location:	Main Campus (Male) – Sakaka Jouf University
Branches offering the Program:	Female Campus – Laqaet, Sakaka

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A. Implementation of Previous Action Plan

Considering the recommendations of previous year annual report, list the planned actions and their status.

Planned Actions	Responsibility of Action	Planned Completion Date	Level of Completion		If Not Completed	
			Completed	Not Completed	Reasons	Proposed Actions
1. Preparing the academic standards document for the program.	Steering Committee and sub-committees	06-2021	√	--	--	--
2. External benchmarks comparisons of the KPI reports, and improvement and development plans referred to the performance indicators report and the decisions taken.	KPI committee	12-2020	√	--	--	--
3. Revision of Annual Program Report for the previous year, development and improvement plans and decisions taken.	Annual program report committee + Continues improvement Committee + Program coordinator	10-2020	√	--	--	--
4. Revision of Questionnaires reports, development and improvement plans, and decisions taken and discussed	Continues improvement Committee	05-2021	√	--	--	--
5. Creation of Database for all program activities ...	Program coordinator	05-2021	√	--	--	--

Progress on Implementing Previous Year's Improvement Plan for Key Performance Indicator (1440-1441 H) for(1441-1442 H)						
Improvement Action Planned	Planned Completion Date	Person Responsible	Completed?	Percentage of Completed	If Not Complete, Give	
					Reasons	Proposed Actions
Workshops for faculty members to inform them of recent research points in the field of information systems.	Academic Year 2020-2021	Coordinator of Postgraduate Studies and Scientific Research Committee	Yes	88.78%		
Workshop to train department members on modern teaching strategies.	Academic Year 2020-2021	Quality and Program Accreditation Unit coordinator	Yes	81.7%		
Proposal of Curriculum and Development Committee to enhance the rating of the course to ensure students' satisfactory	Academic Year 2020-2021	Quality and Program Accreditation Unit coordinator	Yes	90.6%		

Proposal from Formation of a committee to address the issue of students failing in various courses.	Academic Year 2020-2021	Formation of a committee coordinator	Yes	16.6%		
<ul style="list-style-type: none"> - Orientation lecture to Know students' shortcomings. - Build a strong relationship with advisors, staff and faculty to help student reach the right people in case they need help. (organize periodic social meetings in the department) - Identify at-risk students through students' advisor and implement and intervention plan 	Academic Year 2020-2021	Academic advising unit coordinator	Yes	50.6%		
Workshop for alumni	Academic Year 2020-2021	Alumni unit coordinator	Yes	72%		
Laboratories committee reports	Academic Year 2020-2021	Laboratories committee coordinator	Yes	72%		
The IS dept. management needs to plan an appropriate students-teaching staff ratio depending on the students' admission rate.	Academic Year 2020-2021	Department Head	Yes	90.9%		
Satisfaction survey of faculty members	Academic Year 2020-2021	Key performance indicators	Yes	90%		

		committee coordinator in IS department				
The department should continue to gradually increase the number of publications.	Academic Year 2020-2021	Department Head	Yes	100%		
Allocate a room for the library	Academic Year 2020-2021	Department Head	Yes	90%		
Analysis (List of recommendations to improve next year 1441-1442H) 1- Closely monitor the assessment methods and discuss the results at the department Board. (KPI-P-04) 2- Orientation lecture to Know students' shortcomings. (KPI-P-05) 3- Encourage graduates to attend training and seminars organized by the college. (KPI-P-09) 4- Increasing attention to the improvement and maintenance of facilities & equipment. (KPI-P-10)						

B. Program Statistics

1. Students Statistics (in the year concerned)

No.	Item	Results
1	Number of students who started the program	92
2	Number of students who graduated	37
3	Number of students who completed major tracks within the program (if applicable)	
	a.	
	B	
	c.	
4	a. Number of students who completed the program in the minimal time	13
5	a. Percentage of students who completed the program in the minimal time (Completion rate)	44%
6	Number of students who completed an intermediate award specified as an early exit point (if any)	
7	Percentage of students who completed an intermediate award specified as an early exit point (if any)	
Comment on any special or unusual factors that might have affected the completion rates: The completion rate is fair given the presence of COVID-19 pandemic in the world and its impact on the educational process.		

2 . Cohort Analysis of Current Graduate Batch

Student Categories		Total cohort enrollment	Withdrawn	Retained till year end	Not passed	Passed	Passing rate
Years							
Three Years Ago	M	15	1	14	0	14	93.3%
	F	25	3	22	0	22	88.0%
	Total	40	4	36	0	36	90.0%
Two Years Ago	M	43	3	40	2	38	88.3%
	F	48	0	48	0	48	100.0%
	Total	91	3	88	2	86	94.5%

Last Year	M	20	0	20	0	20	100%
	F	10	0	10	0	10	100%
	Total	30	0	30	0	30	100%
Current Year 1442	M	27	0	27	1	26	96.3%
	F	65	2	63	0	63	96.9%
	Total	92	2	90	1	89	96.7%

Comments on the results:

The results shows that the passing rate is high also the number of withdrawn is not significant.

The passing rate of 100% is due to the change of assessment methods especially in 1440-1441.

The assessment methods include online quiz and take home exams.

* add more rows for further years (if needed)

** attach separate cohort analysis report for each branch

3. Analysis of Program Statistics

(including strengths, areas for improvement, and priorities for improvement)

Strengths :
<ol style="list-style-type: none"> 1. The existence of very well equipped class rooms 2. The existence of very well equipped computer laboratories 3. The existence of very well educated staff members who have an experience in teaching.
Areas for Improvement:
<ol style="list-style-type: none"> 1. Increase the practical sessions for the courses that have a practical part.
Priorities for Improvement:
<ol style="list-style-type: none"> 1. Increase the practical sessions for the courses that have a practical part.

C. Program Learning Outcomes Assessment

1. Program Learning Outcomes Assessment Results.

#	Program Learning Outcomes	Assessment Methods (Direct and Indirect)	Performance Target	Results
Knowledge and Understanding				
K1	Demonstrate sound knowledge of the computing requirements to solve computer-based problems and state them in appropriate forms.	<u>Direct Assessment</u> <ul style="list-style-type: none"> • Exams • Assignments • Quizzes 	70% of the Students having more than 70%	71.8%
		<u>Indirect Assessment</u> <ul style="list-style-type: none"> • Alumni Survey • Exit Survey • Employer Survey 	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.29 Exit Survey: 3.95 Employer Survey: 3.89
K2	Define the essentials of analysis, design, implementation, and evaluation of computer-based system, process, component, or program to meet desired needs	<u>Direct Assessment</u> <ul style="list-style-type: none"> • Exams • Assignments • Quizzes 	70% of the Students having more than 70%	78.6%
		<u>Indirect Assessment</u> <ul style="list-style-type: none"> • Alumni Survey • Exit Survey • Employer Survey 	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.29 Exit Survey: 3.79 Employer Survey: 4.44

K3	Demonstrate sound knowledge of the concepts of applied management and mathematics appropriate to the discipline	<u>Direct Assessment</u> <ul style="list-style-type: none">• Exams• Assignments• Quizzes	70% of the Students having more than 70%	63.9%
		<u>Indirect Assessment</u> <ul style="list-style-type: none">• Alumni Survey• Exit Survey• Employer Survey	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.29
				Exit Survey: 4.2
				Employer Survey: 4.31
Skills				
S1	Apply the analysis, design principles, concepts of computing and mathematical problems solving appropriate to the information systems.	<u>Direct Assessment</u> <ul style="list-style-type: none">• Assignments• Rubric-based project report• Presentation• Lab Exam	70% of the Students having more than 70%	76%
		<u>Indirect Assessment</u> <ul style="list-style-type: none">• Alumni Survey• Exit Survey• Employer Survey	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.17
				Exit Survey: 3.63
				Employer Survey: 4.03
S2	Implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program’s discipline.	<u>Direct Assessment</u> <ul style="list-style-type: none">• Assignments• Rubric-based project report• Lab Exam	70% of the Students having more than 70%	72.8%
		<u>Indirect Assessment</u> <ul style="list-style-type: none">• Alumni Survey• Exit Survey• Employer Survey	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 3.81
				Exit Survey: 4.03
				Employer Survey: 3.61
S3	Use the current techniques and tools necessary for computing practice, delivery, use, and management of information systems.	<u>Direct Assessment</u> <ul style="list-style-type: none">• Assignments• Rubric-based project report• Lab Exam	70% of the Students having more than 70%	84%
		<u>Indirect Assessment</u> <ul style="list-style-type: none">• Alumni Survey• Exit Survey• Employer Survey	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.05
				Exit Survey: 4.03
				Employer Survey: 4.44
S4	Communicate effectively in a variety of professional contexts.	<u>Direct Assessment</u> <ul style="list-style-type: none">• Assignments• Rubric-based project report• Lab Exam	70% of the Students having more than 70%	87.8%
		<u>Indirect Assessment</u> <ul style="list-style-type: none">• Alumni Survey• Exit Survey• Employer Survey	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 3.1
				Exit Survey: 4.19
				Employer Survey: 4.17
Values				
V1	Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.	<u>Direct Assessment</u> <ul style="list-style-type: none">• Rubric-based project report• Class Discussion• Presentation• Lab Exam	70% of the Students having more than 70%	92%
		<u>Indirect Assessment</u> <ul style="list-style-type: none">• Alumni Survey	70% of alumni, students,	Alumni Survey: 4.29
				Exit Survey: 4.11

		<ul style="list-style-type: none"> • Exit Survey • Employer Survey 	employers score at least 3.5 out of 5 on a 5-Point Scale	Employer Survey: 4.17
V2	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.	<u>Direct Assessment</u> <ul style="list-style-type: none"> • Rubric-based project report • Class Discussion • Presentation • Lab Exam 	70% of the Students having more than 70%	84%
		<u>Indirect Assessment</u> <ul style="list-style-type: none"> • Alumni Survey • Exit Survey • Employer Survey 	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.05 Exit Survey: 4.11 Employer Survey: 4.44
V3	Demonstrate an ability of self-learning and continuing professional development.	<u>Direct Assessment</u> <ul style="list-style-type: none"> • Rubric-based project report • Class Discussion • Presentation • Lab Exam 	70% of the Students having more than 70%	79.6%
		<u>Indirect Assessment</u> <ul style="list-style-type: none"> • Alumni Survey • Exit Survey • Employer Survey 	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 3.81 Exit Survey: 4.03 Employer Survey: 3.89
Comments on the Program Learning Outcome Assessment results.				
<p>The three PLOs the domains of knowledge, skills and values are measured for the two semesters Students skills must be enhanced through more practical problems, more small projects through courses , enhance self – learning.</p>				

* Include the results of measured learning outcomes during the year of the report according to the program plan for measuring learning outcomes

** Attach a separate report on the program learning outcomes assessment results for male and female sections and for each branch (if any)

Improvement measuring learning outcomes Plan Table

The following Table lists the recommendations identified to establish a continuous improvement
Measuring learning outcomes plan 1441-1442H

Program Learning Outcome	Recommendations	Actions	Assessment Mechanism or Criteria	Responsible Person	Start Date	Completion Date
K1	Making class room-based discussions about the knowledge required for the courses.	Make Seminars for group of students	Marks	faculty member	September 2021	May 2022
K2	More quizzes about design, implementation and evaluation of IS systems	Make quizzes during the semester.	Marks	faculty member	September 2021	May 2022
K3	1-Research report about business analysis 2-More mathematical case studies to solve software problems	1-Dividing students to groups and assigning research report to each group 2-Assignments	Marks	faculty member	September 2021	May 2022
S1	1-More practical training in the practical courses. 2-Agile training courses for students.	1-Practical assignments 2-Making agile training courses.	Marks	Faculty Member	September 2021	May 2022
S2	1-ERD training courses. 2-Oracle or SQL software training.	1-Making ERD training 2-Making Oracle or SQL software training.	Marks	Faculty member	September 2021	May 2022
V2	None	None	None	None	None	None
V1	None	None	None	None	None	None
V3	None	None	None	None	None	None
S4	Research project	Dividing students to groups and assigning presentation to each group	Marks	Faculty Members	September 2021	May 2022
S3	More training courses about the related tools.	Training	Marks	Faculty Members	September 2021	May 2022

2. Analysis of Program Learning Outcomes Assessment

(including strengths, Areas for Improvement:, and priorities for improvement)

Strengths :
The three PLOs the domains of knowledge, skills and values are measured for the two semesters Only on PIO (S2) is lower than the target, except that, all PLOs are greater than target value.
Areas for Improvement:
Students skills must be enhanced through more practical problems, more small projects through courses , enhance self – learning. The college should be encouraging students to self-study from the recommended course books and enhances class room-based discussions. More emphasis to improve English language skills
Priorities for Improvement:
Students skills must be enhanced through more practical problems, more small projects through courses , enhance self – learning.

D. Summary of Course Reports

1. Teaching of Planned Courses / Units

List the courses / units that were planned and not taught during the academic year, indicating the reasons and compensating actions.

Course	Units/Topics	Reasons	Compensating Actions
CS241 Mathematical Modeling for IS	In the project Scheduling models we did not cover Gantt Charts, Resource Leveling	Some other topics in Queuing Models are more important, therefore we give them more time	The students are asked to do the Gantt Charts as self-learning.
CS351 Information System Engineering	Product metrics, Software quality	Time constraint We concentrated in the first eight chapters, because their understanding is crucial to the course	We ask student to do a homework about software quality and how to assess the software quality attributes
CS 400	XML Style Sheet	Term (12 weeks only)	None

Course	Units/Topics	Reasons	Compensating Actions
Semi-Structured Data			
CS 471 Data Communication and Computer Networks/	Security in computer network	Some topics are more important for IS students, therefore, I spent more time than specified in the course specification for these courses be sure that the students understood them.	We introduce this topic in chapter 1

2. Courses with Variations

List courses with marked variations in results that are stated in the course reports, including: (completion rate, grade distribution, student results, etc.), and giving reasons for these variations and actions taken for improvement.

Course Name & Code	Variation	Reasons for variation	Actions taken
CS 230	Withdraw 10%	The course is not pre-requisite for other courses	Reviewing the student Plan and encourage student to respect the study plan

3. Result Analysis of Course Reports

(including strengths, Areas for Improvement:, and priorities for improvement)

Strengths :
<p>The overall student results is satisfactory</p> <p>The assessment of course learning outcomes in most of courses are good</p>
Areas for Improvement:
<ul style="list-style-type: none"> • Adding more case studies.(CS 240) • Different problems should be solved in the class to help students understand the courses well .(CS 241) • Enhance the students' ability to make oral presentation using effective nonverbal behavior. .(CS 350) • Improve the ability to of student to design and implement real problem database.(CS 350) • The students should be more involved in order to write correct programs.(CS 360) • Make more time for implementing (CS 400).

Priorities for Improvement:

- Adding more case studies.(CS 240)
- Different problems should be solved in the class to help students understand the courses well .(CS 241)
- Enhance the students' ability to make oral presentation using effective nonverbal behavior. .(CS 350)
- Improve the ability to of student to design and implement real problem database.(CS 350)
- The students should be more involved in order to write correct programs.(CS 360)
- Make more time for implementing (CS 400).

E. Program Activities**1. Student Counseling and Support**

Activities Implemented	Brief Description *
A Guide to Successful Preparation of the Academic semester	Date: 17/02/2021 Duration: From 12 pm to 1 pm Goals: Improving the academic level of students through a tight planning for the success of the semester
the phenomenon of academic faltering: causes and means of treatment	Date: 31/03/2021 Duration: From 12 pm to 1 pm Goals: Improving the academic level of faltering students and the reasons for faltering
Commitment to the Study Plan and its Impact on Academic Achievement	Date: 05/04/2021 Duration: From 12 pm to 1 pm Goals: showing the importance of commitment to the study plan and its impact on academic achievement
Tips for smart study methods	Date: 17/03/2021 Duration: From 1 pm to 2 pm Goals: Applying Effective study techniques to achieve good results
Comment on Student Counseling and Support **	
<p>At the beginning of each academic year, the dean and faculty of each college conduct a welcome orientation of its newly admitted students. The objectives of such an orientation include but not limited to:</p> <ol style="list-style-type: none"> 1. Distributing the university Advising Guide 2. Assigning faculty advisors to the individual students 3. The meeting of the coordinators of the academic guidance to consult on the academic guidance plan in the college and about ways to develop it through practical proposals by each department under the supervision of the academic guidance unit 	

4. Activate the service of an academic guide for the new faculty members and connect students with them to establish a balance in the service of guidance among all members of the faculty without full-time assignments.
5. Advise the students of their career opportunities.

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

2. Professional Development Activities for Faculty and Other Staff

Activities Implemented	Brief Description*
Foundations and principles of e-learning	Date: 29/4/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented the principles of effective of e-learning mode as opposite to traditional mode of learning and how to build electronic tests
Effective Teaching Strategies	Date: 18/3/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented the faculty the Effective Teaching Strategies and how to apply it to Applying Effective study techniques to achieve good results
Effective communication skills	Date: 15/4/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented the faculty and staff the communication skills
The development of thinking in distance education	Date: 03/02/2021 Duration: From 8 pm to 10 pm Goals: This workshop aims at presenting methods by which the faculty be able to develop student thinking in distance learning environment
Formative assessment	Date: 24/11/2020 Duration: From 8 pm to 10 pm Goals: This workshop presented the concepts and types of evaluation and Application of formative evaluation in the .educational process
Academic Standard for Accreditation	Date: 17/02/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented the requirements and form and .the standards for program accreditation
Comment on Professional Development Activities for Faculty and Other Staff **	
<ol style="list-style-type: none"> 1. workshops offered to faculty members in the fields of teaching skills 18% 2. workshops offered to faculty members in the fields of administration and academic leadership.22% 	

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

Professional Training Plan for IS Faculty Members 1442-1443 Information System Program

Training is crucial to help Information Systems faculty members get started in a new role and advance their career at work.

The Information Systems program provides training for faculty members, whether he/she is new to the program or continuing his/her career. Essentially, at Jouf University, the Skills Development Center (SDC) provides this opportunity to faculty members and other employees with training and skill development programs. Furthermore, some units at the college can give training to the faculty members.

The table, provided in the sequel, presents a plan for training our faculty members in areas related to their specialty.

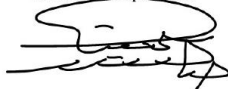
Objective	Output	Training Provided	Implementation timing	Responsible of Implementation	Follow-up Responsible	Performance indicators
Professional development in IS specialization for teaching and scientific research	Faculty members have skills in the areas of teaching and scientific research	Deep Learning	1/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members
Professional development in IS specialization for teaching and scientific research	Faculty members have skills in the areas of teaching and scientific research	System Analysis and Design Methods	5/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members

Professional development in IS specialization for scientific research	Faculty members have skills in the areas of scientific research	Blockchain Technology	15/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members
Professional development in IS specialization for teaching and scientific research	Faculty members have skills in the areas of teaching and scientific research	Big data	20/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members
Professional development in IS specialization for teaching and scientific research	Faculty members have skills in the areas of teaching and scientific research	Machine learning algorithms in practice	25/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members
Professional development in IS specialization for teaching and scientific research	Faculty members have skills in the areas of teaching and scientific research	Spark	30/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members

2

Professional development in IS specialization for scientific research	Faculty members have skills in the areas of scientific research	AWS	1/4/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members
Professional development in IS specialization for teaching and scientific research	Faculty members have skills in the areas of scientific research	Advanced GIS	5/4/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members

Head of IS Department



Action Plan based on Professional Training for IS Faculty Staff For Year 42-43H (2021-2022 AD) for Information Systems program

No.	Priorities for Improvement	Actions	Action Responsibility	Date		Achievement Indicators	Target Benchmark
				Start	End		
1	Professional development in IS specialization for teaching and scientific research	Deep Learning	Skills Development Center (SDC)	As planned by SDC	As planned by SDC	Number of Faculty Members attendance over the total number of Faculty Members	50%
2	Professional development in IS specialization for teaching and scientific research	System Analysis and Design Methods	Skills Development Center (SDC)	As planned by SDC	As planned by SDC	Number of Faculty Members attendance over the total number of Faculty Members	50%
3	Professional development in IS specialization for scientific research	Blockchain Technology	Skills Development Center (SDC)	As planned by SDC	As planned by SDC	Number of Faculty Members attendance over the total number of Faculty Members	50%
4	Professional development in IS specialization for	Big data	Skills Development Center (SDC)	As planned by SDC	As planned by SDC	Number of Faculty Members attendance over	50%

No.	Priorities for Improvement	Actions	Action Responsibility	Date		Achievement Indicators	Target Benchmark
				Start	End		
	teaching and scientific research					the total number of Faculty Members	
5	Professional development in IS specialization for teaching and scientific research	Machine learning algorithms in practice	Skills Development Center (SDC)	As planned by SDC	As planned by SDC	Number of Faculty Members attendance over the total number of Faculty Members	50%
6	Professional development in IS specialization for teaching and scientific research	Advanced GIS	Skills Development Center (SDC)	As planned by SDC	As planned by SDC	Number of Faculty Members attendance over the total number of Faculty Members	50%
7	Professional development in IS specialization for teaching and scientific research	Spark	Skills Development Center (SDC)	As planned by e-learning Unit	As planned by e-learning Unit	Number of Faculty Members attendance over the total number of Faculty Members	50%

3

No.	Priorities for Improvement	Actions	Action Responsibility	Date		Achievement Indicators	Target Benchmark
				Start	End		
8	Professional development in IS specialization for teaching and scientific research	AWS	Skills Development Center (SDC)	As planned by e-learning Unit	As planned by e-learning Unit	Number of Faculty Members attendance over the total number of Faculty Members	50%

Action Plan Analysis (List the strengths and recommendations for improvement of the Program Action Plan).

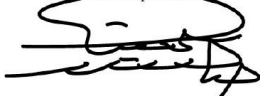
Strengths:

The IS program encourages faculty staff to achieve training at the SDC and within the college in order to enhance their personal and professional capabilities.

Recommendations:

The IS Faculty members must participate in the training offered by the SDC and the college of Computer and Information Sciences.

Head of IS Department



4

البرامج المعتمدة لقسم نظم المعلومات خلال الفصل الثاني من العام الدراسي ١٤٤٣ هـ

م	عنوان البرنامج	الفترة المستهدفة	نوع البرنامج	مقدم البرنامج	الوقت	التاريخ
١.	التجارة الالكترونية	ذكور واناث	محاضرة	د. محمود عبدالمنعم محمود	٨:٠٠ - ٦:٠٠ م	الخميس ١٠ / ٣ / ٢٠٢٢ م
٢.	تعلم مهارات تصميم محتوى تعليمي تفاعلي	ذكور واناث	لقاء تدريبي	د. عبد العزيز ابراهيم شهاب	٨:٠٠ - ١٠:٠٠ م	الأحد ١٣ / ٣ / ٢٠٢٢ م
٣.	قواعد البيانات اكسس	ذكور واناث	محاضرة	د. عبدالعزيز الدمراني	٤:٠٠ - ٦:٠٠ م	الخميس ١٧ / ٣ / ٢٠٢٢ م
٤.	بناء الاختبارات الالكترونية والاستبيانات وتحليل النتائج باستخدام جوجل فورم	ذكور واناث	محاضرة	د. سامح عبد الغني	٨:٣٠ - ١٠:٣٠ م	الثلاثاء ٢٢ / ٣ / ٢٠٢٢ م
٥.	مقدمة في نظم المعلومات الجغرافية	ذكور واناث	محاضرة	د. خلف عقاب السالم	٨:٠٠ - ٦:٠٠ م	الخميس ١٢ / ٥ / ٢٠٢٢ م
٦.	مقدمة في شبكات الحاسب الآلي	ذكور واناث	لقاء تدريبي	د. بدر الدغيفي	٨:٠٠ - ٦:٠٠ م	الخميس ١٩ / ٥ / ٢٠٢٢ م
٧.	نظم المعلومات الصحية ودورها في تحسين الرعاية الصحية	ذكور واناث	محاضرة	د. صالح بن نايف المعيل	٨:٠٠ - ٦:٠٠ م	الخميس ٢٦ / ٥ / ٢٠٢٢ م

المشرف على عمادة خدمة المجتمع والتعليم المستمر بالإتابة

د. خلف بن عقاب السالم

3. Research and Innovation

Activities Implemented	Brief Description*
Manage and organize scholarly references using RefWorks	Date: 23/02/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented to the researcher how to build the scholarly references using RefWorks
Statistical analysis using SPSS	Date: 7/02/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented to the researcher how to perform statistical analysis using SPSS
Comment on Research and Innovation**	
<ol style="list-style-type: none"> workshops offered to faculty members in the fields of scientific research, administration and academic leadership.36% 26 papers have been published in ISI journals 23 papers have been published in Scopus journals 	

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

4. Community Partnership

Activities Implemented	Brief Description*
Workshop on Google Forms	Date: 7/10/2020 Duration: From 8 pm to 10 pm Goals: This workshop presented to the audience how to create Google forms and analyze responses.
Workshop on importance of cyber security	Date: 3/12/2020 Duration: From 8 pm to 10 pm Goals: This workshop presented to the audience concepts of cyber security
Workshop building database using Microsoft access	Date: 5/11/2020 Duration: From 8 pm to 10 pm Goals: This workshop presented to the audience how to create database .
Workshop on IoT and cyber security	Date: 15/11/2020 Duration: From 8 pm to 10 pm Goals: This workshop presented to the audience the IoT fundamentals
Microsoft word for beginners	Date: 7/02/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented to the audience how use Microsoft word in formatting text and research books
Microsoft PowerPoint for beginners	Date: 7/3/2021 Duration: From 8 pm to 10 pm Goals: This workshop presented to the audiences how to perform create effective power point presentation
Comment on Community Partnership**	
The faculty members in IS departments cooperated with deanship of community services to presents numbers of workshops for all individuals of the community.	

* including action time, number of participants, results and any other statistics.

** including performance evaluation on these activities

5. Analysis of Program Activities

(including strengths, Areas for Improvement:, and priorities for improvement)

Strengths :
<ol style="list-style-type: none"> 1. The program has large number of activities in all directions. 2. Some of the activities helped the staff member to increase their scientific research and the publication have increased significantly in the department as indicated in the college annual report. 3. The community partnership activities helped in strengthening the relationship between the program and the community.
Areas for Improvement:
<ol style="list-style-type: none"> 1. Increase the number of activities in the Research and Innovation 2. There should be an International participation in all the activities 3. Apply a set of activities regarding the E-learning and Academic advising in IS program.

Priorities for Improvement:

1. Increase the number of activities in the Research and Innovation

F. Program Evaluation**1. Evaluation of Courses**

Course Code	Course Title	Student Evaluation (Yes-No)	Other Evaluations (specify)	Developmental Recommendations
CS 230	Fundamentals and ethics of IS	yes	Verification committee	Add a project as an assessment method
CS 240	Information System Analysis & Design	yes	Verification committee	Perform analysis and design for more case studies.
CS 241	Mathematical Modeling for IS	yes	Verification committee	Add more tutorials and problems
CS 350	Intro. to Database System	yes	Verification committee	Encourage student to read more about course topics
CS 351	Information System Engineering	yes	Verification committee	Add more homeworks and assignments
CS 352	Visual Programming	yes	Verification committee	Add more variations in the questions models
CS 360	Modern Application Development	yes	Verification committee	Add more practical assignments
CS 361	Database Management System	yes	Verification committee	encourage student to attend workshops related to DBMS
CS 363	Information System Project Management	yes	Verification committee	NONE
CS 471	Data Communication and Computer Networks	yes	Verification committee	Add practical project to the course
CS 481	Information Security	yes	Verification committee	Add project to the assessment
CS 482	Electronic Business	yes	Verification committee	Project should be added to assessment methods
CS 483	Enterprise Resources Planning System	yes	Verification committee	Encourage students to read more about ERP
CS 400	Semi-structured Data	yes	Verification committee	Add project as assessment method and increase assignments
CS 402	Introduction to Data Mining	yes		Add more cases studies about data mining algorithms
CS 410	Web Application Development	yes		giving the student more assignments in designing the pages and looking at examples of existing designs.

2. Students Evaluation of Program Quality

Evaluation Date :4/05/2021	Number of Participants: 216
Students Feedback	Program Response
Strengths: <ul style="list-style-type: none"> The students are highly satisfied from the program The students rating in all the four domain is above 4 	Since the mean of survey results for each domain is above 4, the students are highly satisfied for all four domains.
Areas for Improvement: <ul style="list-style-type: none"> NA 	NA
Suggestions for improvement: <ul style="list-style-type: none"> There should be additional courses and activities that enable the students to improve their decision making and entrepreneurial ability. Increase the student's involvement in research activities. There should be more concentration on the students' participation in oral and written activities. 	<ul style="list-style-type: none"> Engage students in more research activities, especially in the advance level courses. Hiring of more researchers and staff to assist students in their research projects. More focus on case studies to enhance leadership and decision making abilities of the students More stress on communication skills in each course so that students can easily express their knowledge more conveniently

* Attach report on the students evaluation of program quality

3. Other Evaluations

(e.g. Evaluations by independent reviewer, program advisory committee, and stakeholders (e.g., faculty members, alumni, and employers))

Evaluation method : Stakeholders Survey	Date: 4/05/2021	Number of Participants : 125
Summary of Evaluator Review	Program Response	
Strengths: <ul style="list-style-type: none"> ➤ Advice and Support. ➤ Evaluation of the education received by the student. ➤ Learning Resources and Equipment. ➤ Overall Evaluation. 	The results of the survey depict that that most of the stakeholders are satisfied from the program learning outcomes.	
Points for Improvements:: <ul style="list-style-type: none"> 		
Suggestions for improvement <ul style="list-style-type: none"> Enhancing managerial and technical skills. Improving communication skills. Interpersonal skills. 	The department's program evaluation process and accreditation portfolio is reviewed by external reviewers. The comments and suggestion of external reviewers has provided a valuable source to strengthen the review process. The department has seriously taken all the suggestions for improvement in the program and is working on the following: <ul style="list-style-type: none"> Strengthening market and academic relationship 	

<ul style="list-style-type: none"> • Decision making and leadership skill need further improvement. 	<ul style="list-style-type: none"> • Improving students' entrepreneurial skills by working in coordination with the market through co-op training. • More stress on improvement of interpersonal skills in each course • More emphasis on communications skills improvement through class participation and presentations.
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* Attach independent reviewer's report and stakeholders' survey reports (if any)

4. Key Performance Indicators (KPIs)

List the results of the program key performance indicators (including the key performance indicators required by the National Center for Academic Accreditation and evaluation)

Code	Key Performance Indicators	Male	Female	KPI Information Systems Program for
KPI-P- 01	Percentage of achieved indicators of the program operational plan objectives.	—————		65.98%
KPI-P- 02	Students' Evaluation of quality of learning experience in the program	3.71	3.62	3.68
KPI- P – 03	Students' evaluation of the quality of the courses.	4.33	4.09	4.21
KPI- P – 04	Completion rate.	50 %	33%	44%
KPI- P – 05	First-year students retention rate	55.56 %	72.22%	63.89 %
KPI- P – 06	Students' performance in the professional and/or national examinations.	NA	NA	NA
KPI- P – 07	Graduates' employability and enrolment in postgraduate programs.	61.5%	0%	30.75%
		4%	7.7%	5.85%
KPI- P – 08	Average number of students in the class.	12	13	13
KPI- P – 09	Employers' evaluation of the program graduates proficiency.	3.6	3.6	3.6
KPI- P – 10	Students' satisfaction with the offered services.	3.88	3.88	3.88
KPI- P – 11	Ratio of students to teaching staff.	12:1	10:1	11:1
KPI- P – 12	Percentage of teaching staff distribution.	A.70% B.100% C. Assist.P:83.3 % Assoc. P: 16.7% Prof.: 0%	A.30% B.100% C. Assist.P:100% Assoc. P: 0% Prof.: 0%	A: B: C: Assist.P: 91.65% Assoc. P: 8.35 % Prof.: 0 %
KPI- P – 13	Proportion of teaching staff leaving the program.	0 %	20 %	10 %
KPI- P – 14	Percentage of publications of faculty members.	66%	80%	73 %
KPI- P – 15	Rate of published research per faculty member.	2.75	6.75	4.75
KPI- P – 16	Citations rate in refereed journals per faculty member.	17	21.5	19.25
KPI- P – 17	Satisfaction of beneficiaries with the learning resources.	3.94	3.94	3.94

The reason of KPI-P-13 for this attrition rate is that one female faculty member left the program due to family/personal reasons and health matters. The left female faculty member recorded a high percentage because of the smaller number of female faculty members. The case is not related to dissatisfaction with the program.

5. Analysis of Program Evaluation

(including strengths, Areas for Improvement:, and priorities for improvement)

Strengths :

- The intended students learning outcomes are assessed by different stakeholders throughout the academic year.
- The students learning outcomes are designed to satisfy all stakeholders' needs; such as students, employees and so forth.
- The enhanced curricula has been developed with the collaboration of all stakeholders; such as students, faculty, and industry partners.
- The curricula has been benchmarked against inter and external well reputable universities.
- Courses are streamlined in the curricula according to the program.
- The IS program has well-planned evaluation and review process in place.
- All stakeholders were invited in the evaluation process; such as students, faculty and employers.
- Faculty members uses various assessment measures to gauge the level of students' learning outcomes.
- The IS program has well-defined orientation program in place for new students.
- Online registration process is streamline and easy to understand and followed by students.
- All the necessary information and documents for students are available online.
- The department is staffed with qualified faculty.
- Faculty members evaluation is conducted regularly on several measures to determine the quality in teaching.
- The IS program has qualified faculty members.
- Along with teaching and research, community participation is also a part of faculty/staff promotion so faculty/staff take community service very seriously.

Areas for Improvement:

- There should be more interaction with the employers to determine their latest requirements.
- Faculty member should attend further workshops and seminars to learn the latest techniques on students' assessment process.
- The IS program may engage diverse stakeholders; such as parents for feedback on teaching and quality of taught courses.
- Need more female faculty to teach technical courses; such as information security, data mining, python and big data.
- The IS program should strengthen alumni/market linkages and organize more job fairs where the IS graduates will have more changes of employment.
- The standard 1 committee should conduct surveys regarding awareness of teaching staff & students of the updated mission & vision and Goals.

- The standard 6 committee should Maximizing the awareness of students about the different learning resources using workshops and in-class activities
- Faculty members should assist and encourage students to get professional certificates.

Priorities for Improvement:

- The standard 1 committee should conduct surveys regarding awareness of teaching staff & students of the updated mission & vision and Goals.
- The standard 6 committee should Maximizing the awareness of students about the different learning resources using workshops and in-class activities
- Faculty members should assist and encourage students to get professional certificates.

G. Difficulties and Challenges Faced Program Management

Difficulties and Challenges	Implications on the Program	Actions Taken
This year, the information system program as all other programs was faced by the COVID-19 pandemic and that limit students attendance to the tradition classroom and laboratory.	Affect the practical work	Many laboratories session were conducted for each lecture for the sections that have more than 15 students. To limit the number of students in the session.

*Internal and external difficulties and challenges

H. Program Improvement Plan

No.	Priorities for Improvement	Actions	Action Responsibility	Date		Achievement Indicators	Target Benchmark
				Start	End		
1	Train students on how to pass professional tests and job interviews	Monitor Soft Skills of the students during classes	Instructors	Oct. 2021	May 2022	Assessment of soft skills marks	60%
2	Help Students to get professional certificates	Encourage Students to register in CISCO and other Training courses	Instructors	Oct. 2021	May 2022	Number of certificates over the total number of students	5%
3	Ratio of students to teaching staff	Recruit new female faculty members	College/ Department	Oct. 2021	May 2022	KPI -11	8:1

No.	Priorities for Improvement	Actions	Action Responsibility	Date		Achievement Indicators	Target Benchmark
				Start	End		
4	Conduct surveys regarding awareness of teaching staff & students of the updated mission & vision and Goals.	Conduct surveys regarding awareness of teaching staff & students of the updated mission & vision and Goals.	Standard 1 Committee	Sep 2021/	Oct 2022	ADD KPI-04	4.5
5	Maximizing the awareness of students about the different learning resources using workshops and in-class activities	Maximizing the awareness of students about the different learning resources using workshops and in-class activities	Standard 6 Committee / Head of the Department	Sep 2021/	Oct 2022	KPI-17	5

I. Report Approving Authority

Council / Committee	Information Systems Department Council
Reference No.	Department Council No 2
Date	11/01/1443

J. Attachments :

- A separate cohort analysis report for male and female sections and for each branch
- A report on the program learning outcomes assessment results for male and female sections and for each branch (if any)
- A report on the students evaluation of program quality
- Independent reviewer's report and other survey reports (if any)