



## Annual Program Report

<b>Program Name:</b>	Information Systems
<b>Qualification Level:</b>	Bachelor (Level 6)
<b>Department:</b>	Information Systems
<b>College:</b>	Computer and Information Sciences
<b>Institution:</b>	Jouf University
<b>Academic Year:</b>	1442-1443 H
<b>Main Location:</b>	Main Campus (Male) – Sakaka- Jouf University
<b>Branches offering the Program:</b>	Female Campus – Laqaet, Sakaka

## Table of Contents

<b>A. Implementation of Previous Action Plan .....</b>	<b>3</b>
<b>B. Program Statistics.....</b>	<b>5</b>
1. Students Statistics (in the year concerned) .....	5
2 . Cohort Analysis of Current Graduate Batch .....	5
3. Analysis of Program Statistics .....	6
<b>C. Program Learning Outcomes Assessment .....</b>	<b>6</b>
1. Program Learning Outcomes Assessment Results. ....	6
2. Analysis of Program Learning Outcomes Assessment .....	9
<b>D. Summary of Course Reports .....</b>	<b>10</b>
1. Teaching of Planned Courses / Units .....	10
2. Courses with Variations .....	11
3. Result Analysis of Course Reports .....	11
<b>E. Program Activities .....</b>	<b>11</b>
1. Student Counseling and Support .....	11
2. Professional Development Activities for Faculty and Other Staff .....	12
3. Research and Innovation .....	18
4. Community Partnership .....	19
5. Analysis of Program Activities .....	19
<b>F. Program Evaluation.....</b>	<b>11</b>
1. Evaluation of Courses .....	20
2. Students Evaluation of Program Quality .....	21
3. Other Evaluations .....	22
4. Key Performance Indicators (KPIs) .....	23
5. Analysis of Program Evaluation.....	23
<b>G. Difficulties and Challenges Faced Program Management</b>	<b>Error! Bookmark not defined.</b>
<b>H. Program Improvement Plan .....</b>	<b>Error! Bookmark not defined.</b>
<b>I. Report Approving Authority .....</b>	<b>25</b>
<b>J. Attachments : .....</b>	<b>31</b>

## 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- Monitor Soft Skills of the students during classes	Faculty members	May 2022	√	--	--	--
2- Encourage Students to register in CISCO and other Training courses	Faculty members	May 2022	√	--	--	--
3- Recruit new female faculty members	College/ Department	May 2022	--	√	--	Recruitment plan submitted to HR
4- Conduct surveys regarding awareness of teaching staff & students of the updated mission & vision and Goals.	Measurement and Assessment committee	Oct 2022	√	--	--	--
5- Maximizing the awareness of students about the different learning resources using workshops and in-class activities	College/ Department	Oct 2022	√	--	--	--

### Progress on Implementing Previous Year's Improvement Plan for Key Performance Indicator (1441-1442 H) for(1442-1443 H)

Improvement Action Planned	Planned Completion Date	Person Responsible	Completed?	Percentage of Completed	If Not Complete, Give	
					Reasons	Proposed Actions
Conducting training courses to develop the competitive capabilities of graduates.	May 2022	Coordinator of the Professional Academies Committee	Yes	76.3%		
Workshop to train department members on modern teaching strategies.	May 2022	Quality and Program Accreditation Unit coordinator	Yes	100%		
Proposal of Curriculum and Development Committee.	May 2022	Quality and Program Accreditation Unit coordinator	Yes	90.7%		
Proposal from Formation of a committee to address the issue of students failing in various courses.	May 2022	Formation of a committee coordinator	Yes	49.8%		
- Orientation lecture to Know students' shortcomings.	May 2022	Academic advising unit coordinator	Yes	82.125%		

<ul style="list-style-type: none"> <li>- 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)</li> <li>- Identify at-risk students through students' advisor and implement and intervention plan</li> </ul>						
Proposal from Department Head in Department Council Meeting	May 2022	Department Head	Yes	98%		
Workshop for alumni	May 2022	Alumni unit coordinator	Yes	90%		
Activities for Students	May 2022	Student Activities Committee coordinator	Yes	80%		
Satisfaction survey of faculty members	May 2022	Key performance indicators committee coordinator in IS department	Yes	100%		
<ul style="list-style-type: none"> <li>- Cash Prizes</li> <li>- Contribution to publication fees</li> </ul>	May 2022	Department Head	Yes	100%		
<ul style="list-style-type: none"> <li>- Awards for the number of citations for research by faculty members</li> </ul>	May 2022	Department Head	Yes	46%		
Student satisfaction with learning resources surveys	Academic Year 2020-2021	Key performance indicators committee coordinator in IS department	Yes	97.5%		
<b>Analysis (List of recommendations to improve next year 1442-1443H)</b> <b>As shown on the completion rate column for all KPIs that end on May 2022, the achievement rate is 75% for the improvement plan for the academic year 1441-1442 for KPIs that the completion rate is more than 80%. However, the list of recommendations to improve the KPI's a completion rate of less than 80% are:</b> <ol style="list-style-type: none"> <li>1. Change the recommendations of KPI-01 to enhance the target benchmark.</li> <li>2. Closely monitor the assessment methods and discuss the results at the department Council. (KPI-P-04)</li> <li>3. Ask faculty members to publish they research on journals with impact factor. (KPI-P-16)</li> </ol>						

## B. Program Statistics

### 1. Students Statistics (in the year concerned)

No.	Item	Results
1	Number of students who started the program	57
2	Number of students who graduated	55
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	10
5	a. Percentage of students who completed the program in the minimal time (Completion rate)	19%
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		

### 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	43	3	40	2	38	88.3%
	F	48	0	48	0	48	100.0%
	Total	91	3	88	2	86	94.5%
Two Years Ago	M	20	0	20	0	20	100%
	F	10	0	10	0	10	100%
	Total	30	0	30	0	30	100%
Last Year	M	27	0	27	1	26	96.3%
	F	65	2	63	0	63	96.9%
	Total	92	2	90	1	89	96.7%
Current Year 1442	M	13	0	13	2	11	84.6%
	F	10	0	10	1	9	90%
	Total	23	0	23	3	20	86.96%

**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)

<b>Strengths :</b>
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.
<b>Areas for Improvement:</b>
1. Increase the practical sessions for the courses that have a practical part.
<b>Priorities for Improvement:</b>
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.	<b>Direct Assessment</b> <ul style="list-style-type: none"><li>• Exams</li><li>• Assignments</li><li>• Quizzes</li></ul>	70% of the Students having more than 70%	81.74%
		<b>Indirect Assessment</b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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	<b>Direct Assessment</b> <ul style="list-style-type: none"><li>• Exams</li><li>• Assignments</li><li>• Quizzes</li></ul>	70% of the Students having more than 70%	77.47%
		<b>Indirect Assessment</b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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	<b>Direct Assessment</b> <ul style="list-style-type: none"><li>• Exams</li><li>• Assignments</li><li>• Quizzes</li></ul>	70% of the Students having more than 70%	77.62%
		<b>Indirect Assessment</b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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.	<b><u>Direct Assessment</u></b> <ul style="list-style-type: none"><li>• Assignments</li><li>• Rubric-based project report</li><li>• Presentation</li><li>• Lab Exam</li></ul>	70% of the Students having more than 70%	77.89%
		<b><u>Indirect Assessment</u></b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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.	<b><u>Direct Assessment</u></b> <ul style="list-style-type: none"><li>• Assignments</li><li>• Rubric-based project report</li><li>• Lab Exam</li></ul>	70% of the Students having more than 70%	76.90%
		<b><u>Indirect Assessment</u></b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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.	<b><u>Direct Assessment</u></b> <ul style="list-style-type: none"><li>• Assignments</li><li>• Rubric-based project report</li><li>• Lab Exam</li></ul>	70% of the Students having more than 70%	81.73%
		<b><u>Indirect Assessment</u></b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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.	<b><u>Direct Assessment</u></b> <ul style="list-style-type: none"><li>• Assignments</li><li>• Rubric-based project report</li><li>• Lab Exam</li></ul>	70% of the Students having more than 70%	83.25%
		<b><u>Indirect Assessment</u></b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	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.	<b><u>Direct Assessment</u></b> <ul style="list-style-type: none"><li>• Rubric-based project report</li><li>• Class Discussion</li><li>• Presentation</li><li>• Lab Exam</li></ul>	70% of the Students having more than 70%	84.46%
		<b><u>Indirect Assessment</u></b> <ul style="list-style-type: none"><li>• Alumni Survey</li><li>• Exit Survey</li><li>• Employer Survey</li></ul>	70% of alumni, students, employers score at least 3.5 out of 5 on a 5-Point Scale	Alumni Survey: 4.29
				Exit Survey: 4.11
				Employer Survey: 4.17
V2	Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.	<b><u>Direct Assessment</u></b> <ul style="list-style-type: none"><li>• Rubric-based project report</li><li>• Class Discussion</li><li>• Presentation</li><li>• Lab Exam</li></ul>	70% of the Students having more than 70%	78.71%
		<b><u>Indirect Assessment</u></b> <ul style="list-style-type: none"><li>• Alumni Survey</li></ul>	70% of alumni, students,	Alumni Survey: 4.05
				Exit Survey: 4.11

		<ul style="list-style-type: none"> <li>• Exit Survey</li> <li>• Employer Survey</li> </ul>	employers score at least 3.5 out of 5 on a 5-Point Scale	Employer Survey: 4.44
V3	Demonstrate an ability of self-learning and continuing professional development.	<u><b>Direct Assessment</b></u> <ul style="list-style-type: none"> <li>• Rubric-based project report</li> <li>• Class Discussion</li> <li>• Presentation</li> <li>• Lab Exam</li> </ul>	70% of the Students having more than 70%	78.35%
		<u><b>Indirect Assessment</b></u> <ul style="list-style-type: none"> <li>• Alumni Survey</li> <li>• Exit Survey</li> <li>• Employer Survey</li> </ul>	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
<b>Comments on the Program Learning Outcome Assessment results.</b>				
<p>The three PLOs the domains of knowledge, skills and values are measured for the two semesters. PLO related to values domain will 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	Increasing lectures to explain the basic knowledge. Encouraging students to self-study from the recommended course books	Making extra lectures through the blackboard. Ask students to summarize the studied topics	Direct Assessment	Course instructors	September 2021	May 2022
K2	UML training courses for students. More projects to analyze small IS systems	Dividing students to groups and assigning project to each group. Making UML training course.	Rubrics and survey	Course instructors	September 2022	May 2023
S1	Courses that contains practical parts should have related professional certificates	Ask students to attend professional courses	No of students that pass the certificates	Course coordinators	September 2022	May 2023
V2	Add more self-projects to learn teamwork activities	Dividing students to groups and assigning presentation to each group	Rubrics and Survey	Course instructors	September 2022	May 2023

## 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. All PLOs are greater than target value (70%).

### Areas for Improvement:

PLO related to values domain will be enhanced through more practical problems, more small projects through courses , enhance self – learning. The Course coordinators should ask students to self-study from the recommended course books and enhances class room-based discussions.

### Priorities for Improvement:

PLOs related to values 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  Semi-Structured Data	XML Style Sheet	Term (12 weeks only)	None
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)

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

## E. Program Activities

### 1. Student Counseling and Support

Activities Implemented	Brief Description*
A Guide to Successful Preparation of the Academic semester	<p><b>Date:</b>17/02/2021</p> <p><b>Duration:</b> From 12 pm to 1 pm</p> <p><b>Goals:</b> Improving the academic level of students through a tight planning for the success of the semester</p>

the phenomenon of academic faltering: causes and means of treatment	<b>Date:</b> 31/03/2021 <b>Duration:</b> From 12 pm to 1 pm <b>Goals:</b> Improving the academic level of faltering students and the reasons for faltering
Commitment to the Study Plan and its Impact on Academic Achievement	<b>Date:</b> 05/04/2021 <b>Duration:</b> From 12 pm to 1 pm <b>Goals:</b> showing the importance of commitment to the study plan and its impact on academic achievement
Tips for smart study methods	<b>Date:</b> 17/03/2021 <b>Duration:</b> From 1 pm to 2 pm <b>Goals:</b> Applying Effective study techniques to achieve good results
<b>Comment on Student Counseling and Support **</b>	
<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"> <li>1. Distributing the university Advising Guide</li> <li>2. Assigning faculty advisors to the individual students</li> <li>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</li> <li>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.</li> <li>5. Advise the students of their career opportunities.</li> </ol>	

\* 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
<b>Comment on Professional Development Activities for Faculty and Other Staff **</b>	
<ol style="list-style-type: none"> <li>1. workshops offered to faculty members in the fields of teaching skills 18%</li> <li>2. workshops offered to faculty members in the fields of administration and academic leadership.22%</li> </ol>	

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

\*\* including performance evaluation on these activities

Kingdom of Saudi Arabia  
Ministry of Education  
Jouf University  
College of Computer &  
Information Sciences  
Information Systems Department



المملكة العربية السعودية  
وزارة التعليم  
جامعة الجوف  
كلية علوم الحاسب والمعلومات  
قسم نظم المعلومات

## 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

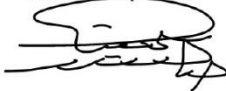


Professional development in IS specialization for scientific research	Faculty members have skills in the areas of scientific research	Blockchain Technology	15/3/2022	Skills Development Center	Information Systems Training Committee	Professional development of 50% of Faculty Members
Professional development 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).

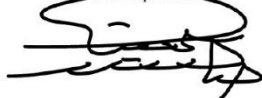
**Strengths:**

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 الدغيفق	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 المعقل	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
<b>Comment on Research and Innovation **</b>	
<ol style="list-style-type: none"> <li>workshops offered to faculty members in the fields of scientific research, administration and academic leadership.36%</li> <li>26 papers have been published in ISI journals</li> <li>23 papers have been published in Scopus journals</li> </ol>	

\* 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
<b>Comment on Community Partnership **</b>	
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)

<b>Strengths :</b>
<ol style="list-style-type: none"> <li>1. The program has large number of activities in all directions.</li> <li>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.</li> <li>3. The community partnership activities helped in strengthening the relationship between the program and the community.</li> </ol>
<b>Areas for Improvement:</b>
<ol style="list-style-type: none"> <li>1. Increase the number of activities in the Research and Innovation</li> <li>2. There should be an International participation in all the activities</li> <li>3. Apply a set of activities regarding the E-learning and Academic advising in IS program.</li> </ol>

**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
IS 211	Fundamentals of Information System	yes	Verification committee	Ask students do analysis using software tools increase their understanding of the UML part and improve practical skills.
IS 323	Database Management Systems	yes	Verification committee	Encourage students to Attend the workshops related to DBMS
IS 251	Systems Analysis and design	yes	Verification committee	The instructor asked student to do their analysis for course project using the UML tools.
IS 407	Modern Web Design and Development	yes	Verification committee	The students are asked to self-study several topics related to web application development
IS441	Mathematical Modeling for IS	yes	Verification committee	Adding more problems and solve them in the class.
IS461	Information Security	yes	Verification committee	Increase the number of assignments to improve CLO 2.2 More time should be allotted to resolve case studies and information security exercises and should be assigned in regular basis to improve CLO1.1 and CLO2.1.
IS472	Enterprise Resource Planning	yes	Verification committee	More case studies are required
IS494	Selected Topics in Information Systems	yes	Verification committee	Encourage students to read and explain the theoretical parts to enhance CLO1.1 and CLO 1.2.
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

Course Code	Course Title	Student Evaluation (Yes-No)	Other Evaluations (specify)	Developmental Recommendations
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	None
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 481	Information Security	yes	Verification committee	Add project to the assessment
CS 400	Semi-structured Data	yes	Verification committee	Make more time for explaining the new concepts.
CS 410	Web Application Development	yes	Verification committee	More projects will be added to enhance students understanding on web application development
CS 471	Data Communications and Computer Networks	yes	Verification committee	More assignments and exercises are taken to improve students ability to solve exercises

## 2. Students Evaluation of Program Quality

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

<ul style="list-style-type: none"> <li>There should be more concentration on the students' participation in oral and written activities.</li> </ul>	
---	--

\* 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))

<b>Evaluation method : Stakeholders Survey</b>	<b>Date: 4/05/2021</b>	<b>Number of Participants : 125</b>
<b>Summary of Evaluator Review</b>	<b>Program Response</b>	
<b>Strengths:</b> <ul style="list-style-type: none"> <li>➤ Advice and Support.</li> <li>➤ Evaluation of the education received by the student.</li> <li>➤ Learning Resources and Equipment.</li> <li>➤ Overall Evaluation.</li> </ul>	The results of the survey depict that that most of the stakeholders are satisfied from the program learning outcomes.	
<b>Points for Improvements::</b> <ul style="list-style-type: none"> <li></li> </ul>		
<b>Suggestions for improvement</b> <ul style="list-style-type: none"> <li>Enhancing managerial and technical skills.</li> <li>Improving communication skills.</li> <li>Interpersonal skills.</li> <li>Decision making and leadership skill need further improvement.</li> </ul>	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"> <li>Strengthening market and academic relationship</li> <li>Improving students' entrepreneurial skills by working in coordination with the market through co-op training.</li> <li>More stress on improvement of interpersonal skills in each course</li> <li>More emphasis on communications skills improvement through class participation and presentations.</li> </ul>	

\* 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)

KPI's Analysis Data								
Code	Actual Benchmark Male	Actual Benchmark Female	Actual Benchmark Comb	Target Benchmark	Internal Benchmark	External Benchmark MU	External Benchmark JU	New Target Benchmark
KPI-P-01	72.6%	64.8%	68.7%	90.0%	69.2%	0.0%	NM	0.0%
KPI-P-02	4.0	4.0	4.0	3.7	3.9	0.0	NM	0.0
KPI-P-03	4.0	3.9	3.9	4.3	4.2	0.0	NM	0.0
KPI-P-04	20.8%	28.9%	24.9%	50.0%	25.0%	0.0%	NM	0.0%
KPI-P-05	66.7%	64.7%	65.7%	80.0%	71.0%	0.0%	NM	0.0%
KPI-P-06	NA	NA	NA	NA	NA	NA	NM	NA
KPI-P-07 (a)	NM	NM	NM	50.0%	NM	NM	NM	NM
KPI-P-07 (b)	NM	NM	NM	50.0%	NM	NM	NM	NM
KPI-P-08	5.3	15.1	10.2	10.0	13.0	0.0	NM	0.0
KPI-P-09	3.6	3.6	3.6	4.0	3.6	0.0	NM	4.0
KPI-P-10	3.2	3.2	3.2	4.0	3.8	0.0	NM	4.0
KPI-P-11	7.9	32.3	20.1	10.0	14.0	0.0	NM	0.0
KPI-P-12 (a)	78.3%	21.7%	50.0%	100.0%	0.0%	0.0%	NM	0.0%
KPI-P-13	0.0%	0.0%	0.0%	0%	3%	0%	NM	0%
KPI-P-14	83.3%	75.0%	79.2%	70.0%	62.1%	0.0%	NM	0.0%
KPI-P-15	5.3	22.3	13.8	2.5	3.2	0.0	NM	0.0
KPI-P-16	5.6	8.1	6.9	15.0	15.6	0.0	NM	0.0
KPI-P-17	3.9	3.9	3.9	4.0	3.9	0.0	NM	0.0
KPI-AD-18	3.0	3.0	3.0	2.0	0.0	0.0	NM	0.0
KPI-AD-19	8.0	10.0	9.0	5.0	0.0	0.0	NM	0.0
KPI-AD-20	18.5%	18.5%	18.5%	20.0%	0.0%	0.0%	NM	0.0%
KPI-AD-21	3.6	3.6	3.6	3.5	0.0	0.0	NM	0.0
KPI-AD-22	50.0%	50.0%	50.0%	25.0%	0.0%	0.0%	NM	0.0%

#### 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
Students were weak in English	Affected the result of theoretical subjects	They were encouraged to improve their language skills through group presentations
Lack of Practical knowledge was observed	Affected the practical work	They were given more case studies and group projects

## 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	September 2022	May 2023	Assessment of soft skills marks	60.49%
2	Help Students to get professional certificates	Encourage Students to register in CISCO and other Training courses	CISCO Instructors	September 2022	May 2023	Number of certificates over the total number of students	25%
3	Ratio of students to teaching staff	Recruit new female faculty members	College/ Department	September 2022	May 2023	KPI -11	10:1
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	September 2022	May 2023	KPI-21	3.5
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	September 2022	May 2023	KPI-17	4
	Encourage extracurricular activities and include students' suggestions and demands in annual action plans.	Encourage Students to Participate in extracurricular activities and they were provided with incentives	Instructor	September 2022	May 2023	Assessment of soft skills marks	NM
	Continue with the ongoing	Conduct surveys	Standard 1 Committee	September 2022	May 2023	Assessment of soft skills	NM

	process where students' feedback is sought, problems are identified, corrective action is instituted and effectiveness of intervention is reassessed through further feedback.	To get students' feedback, analyze the survey results				marks	
	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	September 2022	May 2023	Assessment of soft skills marks	NM
	Students need to be further oriented about the implications of the ratings they assign to the courses so that they do it with greater care with the intention of providing constructive feedback.	Providing training about this		September 2022	May 2023	Assessment of soft skills marks	NM
	Faculty members are required to report on their professional development activities. However, no systematic approach is established for monitoring this	Use google form to collect faculty updates regularly		September 2022	May 2023	Assessment of soft skills marks	NM

The following Table lists the recommendations identified to establish a continuous improvement  
**Key Performance Indicators plan 1442-1443H**

Cod e	Recommendatio ns	Actions	Assessment Mechanism or Criteria	Responsible Person	Start Date	Completi on Date
KPI -P- 01	Successfully engage in lifelong learning and demonstrate the ability to adapt to rapidly changing technologies in the field of information systems.	Build timetable for Information systems Professional courses	Report of training course	Coordinator of the Professional Academies Committee	September 2022	May 2023
KPI -P- 02	Improve the experience of students through the provision of modern teaching strategies, training of departments' members as well as improving the administrative	Workshop to train department members on modern teaching strategies.	Report of Workshop evaluation questionnaires	Quality and Program Accreditation Unit coordinator	September 2022	May 2023
KPI - P- 03	Continue with the ongoing process where students' feedback is sought, problems are identified, corrective action is instituted, and effectiveness of intervention is reassessed through further feedback.	Recommendation of Curriculum and Development Committee for program assessment survey and student experience survey.	Department Council Meeting Approval	Quality and Program Accreditation Unit coordinator	September 2022	May 2023
KPI - P - 04	Challenged students should be identified at an early stage and augmentation plans should be arranged to support students against their difficulties.	Recommendations of IS academic advisors to address the issue of students failing in various courses.	Department Council Meeting Approval	IS Academic Advisors	September 2022	May 2023
	investigate potential causes, course grades	- Orientation lecture to Know	- Departm ent Council	Academi c advising	September 2022	May 2023

KPI-P-05	and course ratings may need to be analyzed for this year specifically.	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	Meeting Approval	unit coordinator		
KPI-P-06	None	None	None	None	None	None
KPI-P-07	None	None	None	None	March 2023	May 2023
	None	None	None	None	March 2023	May 2023
KPI-P-08	Increase the number of classes for IS program.	- Proposal from Department Head in Department Council Meeting	Department Head Approval	Department Head	September 2022	May 2023
KPI-P-09	Conducting training and workshops for students on the level of reliability.	- Workshop for alumni	Employers' survey	Alumni unit coordinator	September 2022	May 2023
KPI-P-10	Creating a group discussion with all the relevant students that	Ask students activities committee coordinator to make feedback	-List of students in each activity - Action plan report for	Student Activities Committee coordinator	September 2022	May 2023

	improves the quality of the offered services.	recommendations for the student services quality survey	feedback recommendations			
KPI - P - 11	1. Recruiting female faculty members.	Information System Program's plan to Recruitment Faculty Members	Department Council Meeting approval	Department Head	September 2019	May 2025
KPI - P - 12	Recruit female professors, female associate professors, and female assistant professors	Information System Program's plan to Recruitment Faculty Members	Department Council Meeting approval	Department Head	September 2019	May 2025
KPI - P - 13	Continue to obtain feedback from the faculty members about their job satisfaction.	Satisfaction survey of faculty members	Report of key performance indicators committee in IS department	Key performance indicators committee coordinator in IS department	September 2022	May 2023
KPI - P - 14	IS program should disseminate the positive outcomes of its faculty members' research performance evaluation and its impact on their promotional activities.	- Cash Prizes Contribution to publication fees	Department Head	Department Head	September 2022	May 2023
KPI - P - 15	IS program should disseminate actively the positive outcomes of its faculty members' research performance evaluation and its impact on their promotional activities.	- Cash Prizes - Contribution to publication fees	Department Head	Department Head	September 2022	May 2023
KPI - P - 16	IS program should disseminate actively the positive outcomes of its faculty members' research performance	- Cash Prizes	Department Head	Department Head	September 2022	May 2023

	evaluation and its impact on their promotional activities.					
KPI - P - 17	1. Conducting a workshop for students to explain the vision, mission, and objectives of the program. 2. Make a visit to the library and train students on how to use the digital library.	- Student satisfaction with learning resources surveys	- Analysis the Student satisfaction with learning resources surveys	Key performance indicators committee coordinator in IS department	September 2022	May 2023
KPI - P - 18	1- Hold monthly meetings for the advancement of research work 2. Reserve a budget for research groups to encourage them to publish their research.	Ask IS faculty members to publish at least one paper annually	- Department Head	IS Faculty members	August, 2022	June, 2023
KPI - P - 19	The program management encourages faculty members to engage to funded research projects.	Ask IS faculty members to share in funded research projects.	- Department Head	IS Faculty members	August, 2022	June, 2023
KPI - P - 20	The program management encourages students to engage in extra-curricular activities.	Ask faculty members to put 5 marks for students that presents extra-curricular activities in specific courses	Extra-curricular activities survey	Survey's coordinator in IS Quality Committee	September, 2022	May, 2022
KPI - P - 21	The program management (graduates' unit) need to encourage	Ask Alumni unit to add theme for program vision, mission, and goals	Employers Survey	Alumni coordinator	September, 2022	May, 2022

	employers to response to the corresponding survey about program vision, mission, and goals.					
KPI - P - 22	The department should guide students and faculty members in choosing topics related to the community.	Ask faculty members to propose graduation projects related to the community	Graduation projects documentations	Projects Committee coordinator	September, 2022	May, 2022

### **I. Report Approving Authority**

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

### **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)