هيئة تقويم التعليم والتدريب
Education & Training Evaluation Commission

T-106
2022

Annual Program Report

Program Name:	**B.S. Information Technology**
Program Code (as per Saudi university ranking):	**061303**
Qualification Level:	**Level 6, Bachelor's degree**
Department:	**Information Technology**
College:	1. **Faculty of Computing and Information Technology - Khulais (Main)** 2. **Faculty of Computing and Information Technology – Alkamil (Branch)**
Institution:	**University of Jeddah**
Academic Year:	**2022-2023**
Main Location:	**Faculty of Computing and Information Technology - Khulais**
Branches offering the Program (if any):	• Faculty of Computing and Information Technology – Alkamil

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A. Program Statistics

Item	Number (KHB+KLB)
Number of students enrolled in the program	+
Number of students who started the program (in reporting year)	52
Number of students who completed the program	67

B. Program Assessment

1.1 Program Learning Outcomes Assessment and analysis according to PLOs assessment plan *

#	Program Learning Outcomes	Assessment Methods (Direct and Indirect)	Targeted Performance (%)	Assessment Results
Knowledge and Understanding				
K1	Acquire knowledge and understanding of computing and mathematics appropriate to the discipline including simulation and modelling.	• Quizzes • Short cognitive tests. • assessment assignments • Laboratory tests • Student Presentations • Final Exams	70%	80.79%
K2	Identify the best practices and standards and their applications in the field of Information Technology.	• Quizzes • Individual and group activities • Short cognitive tests. • assessment assignments • Laboratory tests • Student Presentations • Final Exams	70%	79.56%
K3	Identify user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.	• Quizzes • Individual and group activities • assessment assignments • Laboratory tests • Student Presentations • Final Exams	70%	80.15%
K..				

Skills				
S1	Analyze a problem to identify and define the computing requirements appropriate to its solution.	• Quizzes • Assessment assignments • Laboratory tests • Student Presentations • Final Exams	70%	79.56%
S2	Design, implement, and evaluate complicated computer-based system, process component, or program to meet desired needs.	• Quizzes • Individual and group activities • Short cognitive tests. • assessment assignments • Laboratory tests • Student Presentations • Final Exams	70%	80.79%
S3	Apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, web systems and technologies.	• Quizzes • Individual and group activities • assessment assignments • Laboratory tests • Student Presentations • Final Exams	70%	78.06%
S4	Integrate IT-based solutions into the user environment effectively.	• Quizzes • assessment assignments • Laboratory tests • Final Exams	70%	78.06%
S5	Analyze user needs and apply existing state-of-the-art techniques, skills, and tools necessary for selection, creation, integration, evaluation, and	• Quizzes • assessment assignments • Laboratory tests Final Exams	70%	79.56%

	administration of Computer-based systems.			
S6	Function effectively as a member or leader of a team engaged in activities appropriate to the Information Technology.	• Quizzes • Individual and group activities • Student Presentations • Final Exams	70%	83.88%
Values, autonomy, and responsibility				
V1	Communicate effectively in a variety of professional contexts.	• Student Presentations • Final Exams	70%	80.71%
V2	Adhere to professional, ethical, legal, security, and social issues and their responsibilities.	• Quizzes • assessment assignments • Laboratory tests • Final Exams	70%	81.77%
V3	Analyze the local and global impact of computing on individuals, organization, and society.	• Quizzes • assessment assignments • Student Presentations • Final Exams	70%	81.77%
V4	Recognize the need for and an ability to engage in continuing professional development	• Quizzes • Presentations • Lab Tests • Final Exams	70%	81.77%

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

Strengths:

Aspects that need improvement with priorities:

PLOs S4 and V3 fell below the threshold. While PLO S4 is relatively closer to the threshold, still the department needs to focus its attention towards improving assessments and content delivery towards it. PLO V3 in particular achieved the lowest percentage. Upon further investigation it was noted that not only that the students

performed poorly in assessments related to it, but very few courses are mapped to this PLO. Thus, in the new IT plan, this point will be considered so that a more equal distribution is achieved for all PLOs

2. Evaluation of Courses

Course Code	Course Title	Location	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results (out of 10)	Developmental Recommendations
CCCS-212	Programming 1		15	-	9.1	Above 7.0, thus evaluation is satisfactory
CCCS-221	Programming 2		21	-	8.2	Above 7.0, thus evaluation is satisfactory
CCCS-222	Discrete mathematics		27	-	8.3	Above 7.0, thus evaluation is satisfactory
CCCS-311	Data Structure		27	-	7.5	Above 7.0, thus evaluation is satisfactory
CCIS-323	Introduction to Software Project Management		10	-	7.8	Above 7.0, thus evaluation is satisfactory
CCIS-512	Professional Computing Issues		44	-	7.6	Above 7.0, thus evaluation is satisfactory
CCIT-211	Intro to computing		88	-	7.2	Above 7.0, thus evaluation is satisfactory

Course Code	Course Title	Location	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results (out of 10)	Developmental Recommendations
CCIT-213	Technical writing		30	-	8.1	Above 7.0, thus evaluation is satisfactory
CCIT-223	Principles of Information Technologies		12	-	8.0	Above 7.0, thus evaluation is satisfactory
CCIT-312	Computer Organization and Architecture		115	-	8.1	Above 7.0, thus evaluation is satisfactory
CCIT-321	Operating Systems		13	-	7.2	Above 7.0, thus evaluation is satisfactory
CCIT-322	Database		88	-	8.3	Above 7.0, thus evaluation is satisfactory
CCIT-323	System Analysis & Design		27	-	7.7	Above 7.0, thus evaluation is satisfactory
CCIT-411	Computer Networks		88	-	8.0	Above 7.0, thus evaluation is satisfactory
CCIT-412	Human and Computer Interaction		36	-	7.9	Above 7.0, thus evaluation is satisfactory
CCIT-413	Information Technology & Management		15	-	7.3	Above 7.0, thus evaluation is satisfactory

Course Code	Course Title	Location	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results (out of 10)	Developmental Recommendations
CCIT-414	Software Engineering 1		9	-	8.8	Above 7.0, thus evaluation is satisfactory
CCIT-421	Information Security		86	-	7.3	Above 7.0, thus evaluation is satisfactory
CCIT-422	Advanced Programming		41	-	7.1	Above 7.0, thus evaluation is satisfactory
CCIT-423	Multimedia Technologies		55	-	7.6	Above 7.0, thus evaluation is satisfactory
CCIT-424	Software Design Patterns		46	-	7.5	Above 7.0, thus evaluation is satisfactory
CCIT-425	Computer Graphics		2	-	8.2	Above 7.0, thus evaluation is satisfactory
CCIT-426	Databases - II		2	-	8.4	Above 7.0, thus evaluation is satisfactory
CCIT-427	Design and Evaluation of Networks		46	-	9.0	Above 7.0, thus evaluation is satisfactory
CCIT-428	Software Engineering II		6	-	8.3	Above 7.0, thus evaluation is satisfactory
CCIT-511	Graduation Project I		41	-	9.0	Above 7.0, thus evaluation is satisfactory

Course Code	Course Title	Location	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results (out of 10)	Developmental Recommendations
CCIT-512	Internet Applications		44	-	8.1	Above 7.0, thus evaluation is satisfactory
CCIT-513	Database Management		56	-	7.9	Above 7.0, thus evaluation is satisfactory
CCIT-516	Data warehouses and mining		7	-	8.6	Above 7.0, thus evaluation is satisfactory
CCIT-517	Wireless Data Networks		51	-	8.0	Above 7.0, thus evaluation is satisfactory
CCIT-518	Software Economics		7	-	9.7	Above 7.0, thus evaluation is satisfactory
CCIT-521	Graduation Project II		15	-	9.4	Above 7.0, thus evaluation is satisfactory
CCIT-522	Needs Assessment & Technology Evaluation		6	-	9.0	Above 7.0, thus evaluation is satisfactory
CCIT-523	Networks Administration		5	-	9.0	Above 7.0, thus evaluation is satisfactory
CCIT-529	Selected Topics in Information Technology		45	-	7.9	Above 7.0, thus evaluation is satisfactory

3. Students Evaluation of Program Quality

Evaluation Date:	Number of Participants:
Students Feedback	Program Response
Strengths: • Satisfied with teaching • Satisfied with assessment techniques	Results are satisfactory
Areas of Improvement: • Adding softwares that are cross platform • Covering important courses for Graduation Projects	Updating course specifications Encourage students to take courses such as Web development, Databases that play important role in development
Suggestions for improvement: • Update course content where possible •	Course coordinators will review courses and update their content where possible

4. Scientific research and innovation during the reporting year

Activities Implemented	Number (KHB+KLB)
Published scientific research	485
Current research projects	14
conferences organized by the program	2
Seminars held by the program	3
Conferences attendees	24
Seminars attendees	24
Discussion and analysis of scientific research and innovation activities	

5. Community Partnership

Activities Implemented	Brief Description*
Comment on community partnership activities**	

*including timing of implementation, number of participants, and outcomes.
**including overall evaluation of the program's performance in these activities (if any).

6. Other Evaluation (if any)

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

Evaluation method:	Date:	Number of Participants:
Summary of Evaluator Review		Program Response
Strengths: • •		
Points for Improvements: • •		
Suggestions for development: • •		

*Attach independent reviewer's report and stakeholders' survey reports (if any).

C. Program Key Performance Indicators (KPIs)

Including the key performance indicators required by the NCAAA.

No	KPI	Targeted Value	Actual Value	Internal Benchmark	Analysis	New Target
1	Percentage of achieved indicators of the program operational plan objectives	95%	88%	85%		95%
2	Students' Evaluation of quality of learning experience in the program	4.5	3.66	N/A		
3	Students' evaluation of the quality of the courses					
4	Completion rate	99%	96.50%	98.50%		100%
5	First-year students retention rate	100%	96.50%	99%		100%
6	Students' performance in the professional and/or national examinations	N/A	N/A	N/A		N/A
7	Graduates' employability and enrolment in postgraduate programs .	65%	50%	50%		65%
8	Average number of students in the class	25	19.5	14		25
9	Employers' evaluation of the program graduates proficiency					
10	Students' satisfaction with the offered services	4.5	3.415	N/A		4.5

11	Ratio of students to teaching staff	17	21	25		17
12	Percentage of teaching staff distribution					
	"أستاذ Professor"	10%	0%	12.35%		10%
	"أستاذ مشارك Associate professor"	15%	12.84%	59.20%		15%
	"أستاذ مساعد Assistant professor%"	75%	69.00%	20.35%		75%
	"محاضر Senior lecturer"	0%	17.44%	7.8%		0%
	"معيد Instructor"	0%	0%	0%		0%
13	Proportion of teaching staff leaving the program	0%	0%	0%		0%
14	Percentage of publications of faculty members	80%	65.50%	139.75%		80%
15	Rate of published research per faculty member	3.15	3.14	1.5		3.15
16	Citations rate in refereed journals per faculty member	65%	48.33%	40.50%		65%
17	Satisfaction of beneficiaries with the learning resources	4.5	2.66	N/A		4.5

Comments on the Program KPIs and Benchmarks results:

D. Challenges and difficulties encountered by the program (if any)

Teaching	Conducting teaching from 16 weeks to 12 weeks was quite stressful resulting in cutting a number of content and trying to finish the course in due time
Assessment	Conducting assessments as per NCAAA and ABET requirements is a lot of work in the absence of computerized solutions that provide assistance
Guidance and counseling	No difficulties were faced
Learning Resources	No difficulties were faced
faculty	Some terms had more faculty load than usual which needs to be balanced out.
Research Activities	No difficulties were faced
Others	No other notable difficulty that needs to be highlighted

E. Program development Plan

No.	Priorities for Improvement	Actions	Action Responsibility
1	Following the new IT plan	IT coordinator	Head of Department
2	Shifting to 16 week plan	Faculty members	Head of Department
3	Update CLOs and SOs	Course coordinators	Head of Department
4	Update Program Specification	IT Coordinator	Head of Department
5			
6			

Attach any unachieved improvement plans from previous report.

The annual program report needs to be discussed in department council

F. Approval of Annual Program Report

COUNCIL / COMMITTEE	
REFERENCE NO.	
DATE:	