



T-103
2022

Program Specification

Program Name: Computer Science
Program Code (as per Saudi university ranking): CSA-6
Qualification Level: Associate degree
Department: Computer Science department
College: Community Collage
Institution: King Saud University
Program Specification: New <input type="checkbox"/> updated* <input checked="" type="checkbox"/>
Last Review Date: 2/06/2023.

*Attach the previous version of the Program Specification.

Annex 3.5-T3_Program Specifications V2022

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A. Program Identification and General Information

1. Program's Main Location :

Riyadh-Malaz-Aljameaa Street.

2. Branches Offering the Program (if any):

Male branch

3. Partnerships with other parties (if any) and the nature of each:

None

4. Professions/jobs for which students are qualified

1. Data entry.
2. Network technician.
3. Website developer.
4. Computer technician.
5. Programmer.
6. Systems technician.
7. Computer operator.
8. Database technician.

5. Relevant occupational/ Professional sectors:

Different sectors of society, governmental and private.

6. Major Tracks/Pathways (if any):

Major track/pathway	Credit hours (For each track)	Professions/jobs (For each track)
1. None	None	None

7. Exit Points/Awarded Degree (if any):

exit points/awarded degree	Credit hours
1. None	None

8. Total credit hours: (73)



B. Mission, Objectives, and Program Learning Outcomes

1. Program Mission:

To provide distinctive education in the field of digital technology to meet the needs of labor market and community development through supportive, educational and research environment.

2. Program Objectives:

Department aims:

To contribute in achieving the National Vision 2030 through:

1. Highly qualified and skilled graduates to meet the needs of labor market,
2. Improving the skills of faculty members as a continuous process,
3. Creating a supportive educational research environment, and research environment.
4. Building up an effective cooperation with the community.

Program Objectives:

1. Enhancing student's up-to-date knowledge and develop the skills needed for a successful start to careers in the computing community.
2. Expanding opportunities for training students.
3. Training of faculty members.
4. Motivate faculty members to produce distinctive research.
5. Increase communication with community organizations and provide training.

3. Program Learning Outcomes*

Knowledge and Understanding

K1	Illustrate program logic by creating flowcharts and structure charts.
K2	Identify and explain architecture and the function of computer hardware, networks and operating systems, data, instruction representation, and data organization.

Skills

S1	Solve problems by identifying their essential parts and formulating strategies for their solutions.
S2	Apply learned analysis and design principles in computation and information systems development.
S3	Use 21st century skills, tools, and techniques necessary for IT market.
S4	Communicate constructively, in a positive, confident, and respectful manner.

Values, Autonomy, and Responsibility

V1	Demonstrate teamwork skills to get the work done, show commitment and deliver effective performance.
V2	Act according to agreed-upon professional, ethical, legal and social responsibilities

* Add a table for each track or exit Point (if any)





C. Curriculum

1. Curriculum Structure

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentag e
Institution Requirements	Required			
	Elective			
College Requirements	Required	8	23	31.5%
	Elective	1	2	2.7%
Program Requirements	Required	11	33	45.2%
	Elective	2	6	8.2%
Capstone Course/Project		1	3	4.1%
Field Training/ Internship		1	6	8.2%
Residency year				
Others				
Total			73	

* Add a separated table for each track (if any).

2. Program Courses

Level	Course Code	Course Title	Required or Elective	Pre- Requisite Courses	Cr ed it H	Type of requirements (Institution, College, or Program)
Level 1	ENGL 1001	English Language Skills (1)	Required		6	College
	NHG 1203	Learning, Thinking, and Research Skills	Required		3	College
	STAT 1103	Introduction to Statistics	Required		3	College
	CT 1202	Computer Skills	Required		3	College
	EPH 1202	Fitness and Health Education	Required		1	College
Level 2	COMP 1210	Computer Programming (1)	Required	ENGL 1001	3	Program
	COMP 1211	Fundamentals of Database Systems	Required	ENGL 1001	3	Program
	COMP 1212	Operating Systems	Required	ENGL 1001	3	Program
	CT 1213	Computer Skills (2)	Required	CT 1202	3	Program
	SLM 2410	Professional Ethics	Required		2	College
	PHYS 1215	Applied Physics	Required		2	College
Level 3	COMP 2310	Systems Analysis	Required	COMP 1211	3	Program
	COMP 2311	Computer Programming (2)	Required	COMP 1210	3	Program
	COMP 2312	Database Systems Lab	Required	COMP 1211	3	Program
	SLM 4411	Contemporary Issues	Elective		2	College
	ADR 2414	Entrepreneurship	Elective		2	College
	COMP 4210	Computer Maintenance and Assembly	Elective		3	Program
Level 4	COMP 2410	Computer Organization and Assembly Language	Required	CT 1202	3	Program
	COMP 2411	Data Structures	Required	COMP 2311	3	Program
	COMP 2412	Internet Programming	Required	COMP 1210	3	Program
	COMP 2413	Computer Networks	Required	COMP 1212	3	Program

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit H	Type of requirements (Institution, College, or Program)
	COMP 4211	Advanced Computer Programming	Elective	COMP 2311	3	Program
	COMP 4213	Information Security	Elective	COMP 1211	3	Program
Level 5	COMP 3510	Graduation Project	Required	COMP 2310	3	Program
	COMP 3511	Field Training	Required	PASS 57CH	6	Program

* Include additional levels (for three semesters option or if needed).

** Add a table for the courses of each track (if any)

3. Course Specifications:

Insert hyperlink for all course specifications using NCAAA template (T-104)

[course-specsU.pdf \(ksu.edu.sa\)](https://ksu.edu.sa/course-specsU.pdf)

4. Program learning Outcomes Mapping Matrix:

Align the program learning outcomes with program courses, according to the following desired levels of performance (*I = Introduced P = Practiced M = Mastered*).

Course code & No.	Program Learning Outcomes								
	Knowledge and understanding		Skills				Values, Autonomy, and Responsibility		
	K1	K2	S1	S2	S3	S4	V1	V2	----
ENGL 1001					I				
NHG 1203					I				
STAT 1103					I	I			
CT 1202		I	I	I	I	I			
EPH 1202						I			
SLM 2410					I	I		I	
PHYS 1215					I		I	I	
COMP 1210	I		I	I		I	I		
COMP 1211		I		I		I		I	
COMP 1212	I	I		I	I		I	I	
CT 1213		I	I	I	I	I			
SLM 4411 el-v.					I	I	I	I	
ADR 2414 el-v.					I	I	I	I	
COMP 2310	I	I	P	I	I	P	P	P	
COMP 2311	P		P	P		P	P		
COMP 2312	P	P	P	P	P	P	P	P	
COMP 4210 el-v.		P	P				P	P	
COMP 4212 el-v.	P	P	P	P			P	P	
COMP 2412	P	P	P	P	P		M		
COMP 2413		P	P	P		P	M	P	
COMP 2410	P	M	M	M	M		M	M	



Course code & No.	Program Learning Outcomes								
	Knowledge and understanding		Skills				Values, Autonomy, and Responsibility		
	K1	K2	S1	S2	S3	S4	V1	V2	----
COMP 2411	M	M	M	M	M		M	P	
COMP 4211 el-v.	M	M	M	M	M		M	M	
COMP 4213 el-v.	I	I	I	I	I		P	P	
COMP 3510	M	M	M	M	M	M	M	M	
COMP 3511	M	M	M	M			M	M	

* Add a separated table for each track (if any).

5. Teaching and learning strategies applied to achieve program learning outcomes.

Describe teaching and learning strategies, including curricular and extra-curricular activities, to achieve the program learning outcomes in all areas.

- Working on the revitalization of the students' skills during the lecture.
- Stay away from the traditional style of education.
- Training to participate in discussions and to draw conclusion.
- Completing homework assignments and receiving feedback from the instructor.
- Communicating with faculty members via the department's websites and LMS.
- Focusing on the application of new theories related to their field of study.
- Follow-up and supervision of students.
- Advancement of students to next level program course.
- Increased utilization of student's communication skills through active learning in class.
- Focus on scientific research methods.
- Improving communication skills.
- Assigning quarterly projects and tasks to improve teamwork skills.
- Students are given topics by the teachers to make a presentation of the topic in the class.
- Integrating communication skills development as part of course plans.

Providing an environment conducive to open communication and good relationship between students and faculty.

6. Assessment Methods for program learning outcomes.

Describe assessment methods (Direct and Indirect) that can be used to measure the achievement of program learning outcomes in all areas.

The program should devise a plan for assessing Program Learning Outcomes (all learning outcomes should be assessed at least twice in the bachelor program's cycle and once in other degrees).

- Exams: quizzes, midterms, finals
- Projects
- Oral presentation
- Graduation Project
- Mini Projects in appropriate courses
- Supervisor assessment during presentations (Course projects and graduation projects)
- Oral presentations during the semester
- Follow-up by instructor
- Instructor observations



- Meetings with instructors

D. Student Admission and Support:

1. Student Admission Requirements

Admission:

Students Admission System (SAS) is centralized and unified for all public universities and technical colleges in Riyadh region, and aims to make a unique leap in performance, facilitate procedures, and to achieve justice, and the granting of greater acceptance of an opportunity, in addition to provide the student with the most important information needed to complete the admission process smoothly and procedures

Admission requirements are consistently and fairly applied through the use of electronic systems among students without any exceptions according to competitive admission standards including scores of standardized tests characterized by consistency and justice, prepared by the National Center for Assessment in Higher Education, they are: achievement test, and abilities test, and the results of the admission standards are disseminated on the site of deanship of admission and registration.

Advisors familiar with details of course requirements are available at the Computer Science Department to provide assistance prior to and during the student registration process. There is also Academic Advisory Committee for guidance and counseling besides the employees of the SAU providing advice to students through advanced technique (<https://sa.ksu.edu.sa/ar/ccg>).

KSU offers students the opportunity to study in the field of specialization in the [college of computer and information sciences](#) within the student transition program.

Students admitted within the university's transition program (<https://brb.ksu.edu.sa/>) in the [college of computer and information sciences](#)/ Computer Science program, the courses they studied in the CC are equivalent to (45%) of [college of computer and information sciences](#)/ Computer Science program, (see <https://ccis.ksu.edu.sa/ar/cs/cs-course-catalog>)

These courses are similar to the program courses that can benefit the student in their equivalent:

- 111 – Computer Programming
- CSC 113 – Computer Programming-II
- CSC 212 – Data Structures
- CSC 220 – Computer Organization
- CSC 227 – Operating Systems
- CSC 329 – Computer Networks
- CSC 380 – Introduction to Database Concepts
- CSC 429 – Computer Security
- CSC 457 – Internet Technologies

Students register courses online using an electronic system (Edugate) at the beginning of each semester and can register or withdraw courses within the first week before the electronic system closes. If the students are late to register or if they want to withdraw courses or in case of time conflict of scheduled courses or if GPA is below 2.0 out of 5, they head to Academic advisory commission members in the department to help them. During the semester the advisor will closely monitor student performance and progress and will recommend withdrawal or filing incomplete in order to avoid probation and potential dismissal from the program.

2. Guidance and Orientation Programs for New Students





(Include only the exceptional needs offered to the students of the program that differ from those provided at the institutional level).

Arrange a meeting in (Week-5) between members of Academic advisory committee, the head of computer science department and the new registered students to give them some advices discuss their problems, introduces them about the nature of study in computer science department, and brief them about the course plan, then write report.

3. Student Counseling Services

(Academic, professional, psychological and social)

(Include only the exceptional needs offered to the students of the program that differ from those provided at the institutional level).

Program students can get academic advising and counseling services at three levels:

- University Level through the Center of Guidance and Counseling
- College Level through Students Advising Unit.
- Department Level through Students Advising Committee.

Every student has an academic advisor who is one of the academic staffs at the corresponding department, to whom student may refer when academically needed, or the student himself is subject to be invited by his academic advisor in case of one of the following necessities:

First: Students who fail:

- 1) Students with GPA less than 2.5.
- 2) Students with warnings.
- 3) Students who passed the graduation period.

Second: Students expected to stumble during semester for the following reasons:

- 1) Students with bad class attendance (>25% absence).
- 2) Students with weak academic performance.
- 3). Students with low GPA (2.5> GPA > 3).

Student Advising Unit has developed special forms to help run and document and assure quality of its work and the whole advising process and procedures at Community College. **The academic advisory committee in computer science department is responsible for organizing and maintaining the process of advising the students as well as their well-being in addition to guaranteeing the constant communication between the advisor and the student throughout the academic year. The committee follows up academically the students who have problems in their registration, in attendance and grades in each semester.**

The committee has also taken the initiative of improving the awareness of their role and other information regarding the college. This is done by organizing a meeting with new computer department students, during the first two weeks of the semester, to explain the role of the committee as the main link of the advisory in the department and the importance of the advisor to help them with any inquiry/issues regarding their academic career , the nature of studying in computer science department, briefing them about the course plan that they would be studying, discuss the graduation project as well as the field training when reach their final semester and their role in society after graduation. Academic advisory committee also encourages the students to visit the faculty members during their office hours to ask them about their subjects.

In case the student could not reach their assigned advisor or vice versa the committee would be contacted to make sure that both sides are informed. In case either or both of the advisor and student having issue in closing any matters, the committee would take action by contacting the right person for the needed action or in solving any issues if the advisor committee are eligible of doing so.



The following are the procedures applied in the department:

1. Obtain the list of students whose cumulative average is less than 2.5 and students with warnings, from student's affairs office.
2. Contact and guide them to improve their cumulative average and attendance by filling academic advisory forms.
3. The forms are handed over to the academic advisory committee for future reference.
4. Follow-up of these students also, in the next stages e.g
5. Arrange a meeting in (Week-4) between members of Academic advisory committee, the head of computer science department and previous semester students to give them some advices, discuss their problems, graduation project, and field training, then write report)
6. Arrange a meeting in (Week-5) between members of Academic advisory committee, the head of computer science department and the new registered students to give them some advices discuss their problems, introduces them about the nature of study in computer science department, and brief them about the course plan, then write report.
7. Communicate with all faculty members in the department and send them a google form for first stage of academic advisory , and ask them to fill the google form by add students data who have absences more than 15% of the total number of lectures in the current semester and finish processing this list by the end of week number four, and adding to this list the name of faculty members involved in student counseling, to guide the students using academic advising forms and complete by the end of week number five, and academic advising process for absences continues throughout the weeks.
8. Communicate with all faculty members in the department and send them a google form for second stage of academic advisory , and ask them to fill the google form by add students data who have absences more than 20% of the total number of lectures in the current semester and finish processing this list by the end of week number eight, and adding to this list the name of faculty members involved in student counseling, to guide the students using academic advising forms and complete by the end of week number ninth, and academic advising process for absences continues throughout the weeks.
9. Communicate with all faculty members in the department and send them a google form for third stage of academic advisory, and ask them to fill the google form by add students' data who have miss assignments or low marks in the Quizzes and first midterm for all courses and sections, in the current semester and finish processing this list by the end of week number eight, and adding to this list the name of faculty members involved in student counseling, to guide the students using academic advising forms and complete by the end of week number nine, and academic advising process for absences continues throughout the weeks.
10. Communicate with all faculty members in the department and send them a google form for fourth stage of academic advisory, and ask them to fill the google form by add student's data who have miss assignments or low marks in the Quizzes and second midterm for all courses and sections, in the current semester and finish processing this list by the end of week number eight, and adding to this list the name of faculty members involved in student counseling, to guide the students using academic advising forms and complete by the end of week number fourteenth, and academic advising process for absences continues throughout the weeks. 11
11. Comparing the improvements of student from stage of midterm one and stage of midterm two.
12. Arrange a meeting with students who still have problems in learning before the final exams.
13. Write a Complete detailed report.

4. Special Support

(Low achievers, disabled, gifted, and talented students).

The Student Advising Unit has arranged general process in the collage, to standardize the advisory role for consistency and improve the quality of the work of advising process in the community college. The student advisory committee in the department is required to make sure the regularity of communication, between the advisor and the student, in the condition of any drop of the student achievement, which include mark, home submission and attendance. This is done twice during the academic semester by collecting the students' progress through their lectures and sort them to different categories to be able to advise them accordingly.





Group advisory as well as general advisory are a common practice with the students, but each of these students also get an individual guidance with their advisor, as the advisor through conversation tried to observe the psychological state of the student including what triggered their underperforming by identifying a specific reason or a common issue but related to the students them self (such as anxiety, personal issues, family pressure, etc.) which can be addressed with a plan provided by the advisor as well as monitored by through the academic semester.

Talented, gifted and higher achiever are also encouraged to meet with their advisor in a different setting usually. Knowing that these students have personal qualities that set them apart from the pairs, such as their maturity and confidence as well as demonstrating continues eagerness towards their goals, the advisers often approach these students in an individual channel instead of a group setting, as their needs of guidance are different than other students as well as their way of perceiving assistance and encouragement are more personalized to them.

Furthermore, every year the collage award students these students with the “collage dean award” which would include both their academic progress, in addition to personal development and external activated for example giving back to the community also participating and organizing different activates support the collage. By paying attention to the academic exceptional

The academic advisory unit would make sure they would provide a proper communication channels to the students with physical challenges as they register and arrive to the collage. The academic advisory unit would also make sure that all the facilities are catered to make the challenges which could encounter the student’s day to day life are met.

A competent advisor from each department are assigned to a group for these student, for more effective and responsive support to be provided to them, considering their needs might affect their safety and wellbeing physically and mentally in the academic environment. The advisors are also picked specifically for these student with more emotional intelligent skills and experience in student guidance.

List of related program regulations:

- 1- Regulations for admission and registration: [Admission | Community College \(ksu.edu.sa\)](https://ksu.edu.sa)
- 2- Student rights and duties document: [Student rights and obligations Deanship of Student Affairs \(ksu.edu.sa\)](https://ksu.edu.sa)
- 3- Student discipline regulations [student_discipline.pdf \(ksu.edu.sa\)](https://ksu.edu.sa)
- 4- Undergraduate study and examination regulations: [\(ksu.edu.sa\)](https://ksu.edu.sa)
- 5- [lwthyq_wlqwd_njlyz_0.pdf \(ksu.edu.sa\)](https://ksu.edu.sa)
- 6- [Admission Faqs | Deanship of Admission and Registration Affairs \(ksu.edu.sa\)](https://ksu.edu.sa)
- 7- [doc \(ksu.edu.sa\)](https://ksu.edu.sa)





E. Faculty and Administrative Staff:

1. Needed Teaching and Administrative Staff

Academic Rank	Specialty		Special Requirements / Skills (if any)	Required Numbers		
	General	Specific		M	F	T
Professor	Information Systems, Computer Engineering.	e- Government, Computer Network Engineering, Systems Engineering, Distributed Computer Systems		7		
Associate Professor	Information, Technology Computer Engineering, Computer Science.	Information Systems, e-Government Computer Design, Databases and Information Retrieval from the Internet, Semantic Web and Databases, Information Security, Mobile Ad Hoc Network.		6		
Assistant Professor	Information Security, Computer Science, Information Systems, Computer Engineering, Information Technology.	Biometrics, Digital Image Processing, Information Systems and Technology, Data mining and Retrieval Institutional Structure, Work Procedures Management, e-Government, Cybersecurity, Information Security, Cloud Computing Security, Intelligent Systems, Applied Computer Science, Information and Communication Technology.		11		



Lecturer	Computer Science, Computers and Systems Engineering, Computer Science and Information Systems, Computer Science and Applications, Computer Science, Internet Technology, Information Technology.	Operating Systems and Programming Languages, Distributed Computer Systems, Algorithms and computer programming, Software engineering and programming, Databases and Information r-Retrieval from the Internet, Information Retrieval and Language Processing, Web Basics, Data Recovery, Internet Technology, Computer Science, Information Network Technology.		7		
Teaching Assistant	Computer Science Computer Education	Computer Education, Computer Information Systems		2		
Technicians and Laboratory Assistant	N/A	N/A		N/A		
Administrative and Supportive Staff	Secretary	Secretary		1		
Others (specify)	N/A	N/A		N/A		





F. Learning Resources, Facilities, and Equipment:

1. Learning Resources

Learning resources required by the Program (textbooks, references, and e-learning resources and web-based resources, etc.)

1. The teacher who is assigned the course is responsible for acquisition of textbook, references and other resource materials, and then he recommends the change (if any) to the Head of the Department.
2. All textbooks and other resource materials required for different program courses are reviewed annually by the study plan and quality committees, and suggest any replacements with other new up-to-date titles appear in the market. In addition, all textbooks are ordered before the beginning of each academic year with a sufficient time and with sufficient number for two semesters as well as at reduced prices for students according to the anticipated number of students in each course.

The program learning resources, study plan and quality committees apply strategies for improving quality of teaching. The strategies include; updating and revising all text books each year, updating computer labs with updated software, encourage faculty to use the learning management system (LMS), website and to encourage students to interact with LMS and providing continuous maintenance for all smart classrooms. In addition, the faculty evaluates the effectiveness of their own teaching strategies through course report and suggests further improvements, as well as the program use some KPI's for assessment like Library and Services Survey, Learning resources Survey.

The adequacy of textbooks, reference and other resource are assessed through student Course Evaluation Survey and Student Experience Survey each semester for all courses.

Based on faculty and student's feedbacks that are related to the quality and adequacy of all needed learning resources in their course, the department committees (Learning Resources, study plan and quality committees) summarizes the required learning resources for the next academic year, that includes; the number of required textbooks for his group's courses, required software and any other relevant learning materials. The learning resources request is submitted to the chairman for approval to be forwarded to the Purchase Department of the University through the college administration.

2. Facilities and Equipment

(Library, laboratories, classrooms, etc.)

The program offers the necessary learning facilities and resources that support the process of teaching and learning for both the students and faculty. Learning resources including classrooms, computer labs and other resources related to program disciplines are adequate for the number of sections and students at each semester. The Learning Resources, study plan and quality committees responsible for library, lab and classrooms equipment needs.

All faculty members are committed to raising students' awareness of the importance of the library. The faculty in charge of the course visits the library and encourages students to use the KSU digital library.

3. Procedures to ensure a healthy and safe learning environment

(According to the nature of the program)

General Responsibilities of Staff, Students, and any other persons who may use or visit the Computer

Laboratory.

- Emphasizing the ethics of using computers and laboratories for students (Instructions are available in all laboratories).
- All computers and Internet connection are protected by linking to the users' safe domain
- All Staff should be familiar with this Policy document, the University Safety Policy.
- Training and providing the necessary instructions for the correct use of any tool or equipment
- Familiarizing with the Emergency and Evacuation Procedures posted at main exit points to the Premises.
- Anyone who becomes aware of a health or safety hazard must report it immediately to supervisor or member of the Safety Committee.
- The college provides the necessary first aid to individuals who need this during their work in laboratories or classrooms.





- Staff working out of normal office hours on Computer Laboratory premises must not use the machine tools and must not work on any unshielded high voltage electrical equipment.

All the necessary arrangements in terms of procedures and special equipment for any emergency affecting teaching and learning are planned, such as the shift to distance teaching.

G. Program Quality Assurance:

1. Program Quality Assurance System

Provide a link to quality assurance manual.

[CSP-ManualU.pdf \(ksu.edu.sa\)](#)

2. Procedures to Monitor Quality of Courses Taught by other Departments

The individual course reports

Course reports are used to assess the program on the basis of following considerations:

- 1-Course evaluations are done for each course. Students are given a chance to evaluate their respective courses.
- 2- Faculty members make recommendations on the basis of evaluation results.
- 3- Faculty members enlists the difficulties experienced in using the teaching strategies and suggests actions to deal with those difficulties.
- 4- There is an action plan table, which is used for the improvements in next semester/year.
- 5- The necessary solutions to the obstacles (mentioned in the priorities for improvement in the course report) are reflected in the course specification for the next semester.
- 5- For examinations, instructors prepare the questions on the basis of course learning outcome for the courses and results are submitted to the academic affairs unit.
- 6- All comments in the course reports are reviewed and followed up for solutions.

Completion rate analysis:

The Quality Committee revises and analyzes students' results to ensure the achievement of CLOs, which in turn affects the achievement of PLOs:

- a. The individual Course Report provides the information about the pass percentage of the students for the respective course.
- b. Completion rate is considered acceptable if students average grades in questions measuring that CLO are 60% or above.
- c. A PLO is considered as achieved if CLOs of different courses covering that CLO are achieved (Depending on the CLOs measurement mechanism and the program evaluation matrix "RUBRICS").
- d. The program carries out the necessary comparisons of completion rates and develops the necessary actions if needed.

3. Procedures Used to Ensure the Consistency between Main Campus and Branches (including male and female sections).

N/A



4. Assessment Plan for Program Learning Outcomes (PLOs),

See Annex PLOs Assessment Plan.

5. Program Evaluation Matrix

Evaluation Areas/Aspects	Evaluation Sources/References	Evaluation Methods	Evaluation Time
Leadership	Collage leaders	KSU Regulations	End of academic year
Teaching & Assessment	Students, Graduates, Alumni	Surveys	End of semester
CLOs	Students, Graduates	Surveys	End of semester
PLOs	Faculty, Employers, Graduates.	Direct assessment and Surveys	End of academic year
Learning Resources	Faculty, Students	Surveys	End of academic year
Curriculum	Students, Graduates, Alumni, Independent reviewers, external and internal examiner.	Surveys, Audit and assessment (Independent reviewers, external and internal examiner.).	End of academic year
Quality Assurance process	Independent reviewer	Audit and assessment	End of academic year
KPIs	Independent reviewer	Audit and assessment	End of academic year

Evaluation Areas/Aspects (e.g., leadership, effectiveness of teaching & assessment, learning resources, services, partnerships, etc.)

Evaluation Sources (students, graduates, alumni, faculty, program leaders, administrative staff, employers, independent reviewers, and others.)

Evaluation Methods (e.g., Surveys, interviews, visits, etc.)

Evaluation Time (e.g., beginning of semesters, end of the academic year, etc.)

6. Program KPIs*

The period to achieve the target (____) year(s).

No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
1	KPI-P-01	Percentage of achieved indicators of the program operational plan Objectives.	100%	Questionnaire, Statistics	Annually
2	KPI-P-02	Students' Evaluation of quality of learning experiences in the program.	4.5	Questionnaire	Every Semester
3	KPI-P-03	Students' evaluation of the quality of the courses.	4.5	Questionnaire,	Every Semester
4	KPI-P-04	Completion rate	65%	Statistics	Annually
5	KPI-P-05	First-year students retention rate	100%	Statistics	Every Semester
6	KPI-P-07	Graduates' employability and enrolment in postgraduate programs	100%	Statistics	Every Semester





No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
7	KPI-P-08	Average number of students in the class	17	Statistics	Every Semester
8	KPI-P-09	Employers' evaluation of the program graduates proficiency.	4	Questionnaire	Every Semester
9	KPI-P-10	Students' satisfaction with the offered services	4.5	Questionnaire	Every Semester
10	KPI-P-11	Ratio of Students to teaching Staff.	1:10	Statistics	Annually
11	KPI-P-12	Percentage of teaching staff distribution	--	Statistics	Annually
12	KPI-P-13	Proportion of teaching staff leaving the program	0%	Statistics	Annually
13	KPI-P-14	Percentage of publications of faculty members	70%	Statistics	Annually
14	KPI-P-15	Rate of published research per faculty member	3	Statistics	Annually
15	KPI-P-16	Citations rate in refereed journals per faculty member		Statistics	Annually
16	KPI-P-17	Satisfaction of beneficiaries with the learning resources	4.5	Questionnaire	Annually

*including KPIs required by NCAAA

H. Specification Approval Data:

COUNCIL / COMMITTEE	Computer science department council
REFERENCE NO.	Department Council Minutes No. 3
DATE	18/02/1445

