

KPI Report

College: Computer Science and Information Technology

Program: Bachelor in Computer Science

Year: 2021-2022

Contents

1. Introduction	3
2. Tabulated data	5
3. KPI Analysis	9
4. SKPI Analysis.....	25
5. Improvement Plan	34

1. Introduction

KPI Calculation:

This report covers the complete KPI details for the BCS Program for the year 2021–2022. This report is prepared by a special committee named the KPI and Document Review Committee (KPI-DRC) under QAU. KPI-DRC is responsible for reviewing all the major documents once they are prepared by the department quality teams (SSU, UPPP, and the Strategic Plan Committee). KPI-DRC is directly governed by the head of QAU. KPI-DRC, along with PQCs and SSU, has defined the mechanism to calculate and collect the data to compile the KPIs, then compare them with previous years and appropriate internal and external benchmarks.

Internal & External Benchmarks and Reasons:

For the BCS program, **BIS (Bachelor in Information Systems)** is considered an internal benchmark because both programs are under the same college and can establish a healthy competition among each other. Also, the circumstances are the same for both programs. Whereas for **external benchmarking**, the **computer science program of King Khalid University (KKU)** was chosen, and we received KPI data officially from KKU for the **academic year 2021–2022**. The College of Computer Science and Information Technology was initially established under the umbrella of KKU and then shifted under the administration of Jazan University on 01/12/1427 H. Due to this reason, considering KKU as a parent organization, and also because both universities are geographically located in a sphere of 200 km in the south-west region of KSA.

College has shortlisted the programs offered in College of Computer Science, King Khalid University, Abha as external benchmark programs:

– Main reason for choosing External Benchmarks

Considering that King Khalid University and Jazan University are geographically located within a 200-kilometre sphere in the southwest part of the Kingdom of Saudi Arabia, they share similar opportunities in terms of market trends, job nature, scope, and access for students and having similar living conditions.

1. The corresponding universities/programs fulfill the three main functions: teaching and learning, scientific research, and community service.
2. Similar in the educational system (offering BCS Degree)
3. Similar culture, social and economic conditions (offering Computer Science program for both male and females in KSA)

4. Similarity of mission and goals
5. Convergence in the number and efficiency of faculty members.

It is also highly recommended that the benchmark is nationally (or internationally) accredited, and it has a positive reputation of high-quality services.

[SOP manual](#) for Benchmarking requirement criteria of the program.

2. Tabulated data

(Please add program strategic plan KPIs below the NCAA ones)

Code	Indicator	2019-20	2020-21	Current value 2021-22	Target (Last year)	Internal Benchmark (BIS, Jazan University)	External benchmark (CS program, King Khalid University)	New Target (For next year)
KPI-P-01 STD1	Percentage of achieved indicators of the program operational plan objectives	Male: 70.5% Female: 70% Branch: 82% Overall: 74.17%	Male: 73.68% Female: 60% Branch: 60% Overall: 64.56%	Male: 74.07% Female: 70% Branch: 66.7% Overall: 70.26%	70%	Male: 73% Female: 70% Branch: NA Overall: 71.5%	94%	Male: 75% Female: 75% Branch: 70% Overall: 75%
KPI-P-02 STD3	Students' Evaluation of quality of learning experience in the program	Male: 4.1 Female: 4.01 Branch: 4.11 Overall: 4.07	Male: 3.8 Female: 4.25 Branch: 4.22 Overall: 4.09	Male: 4 Female: 3.66 Branch: 3.89 Overall: 3.85	4.25	Male: 4.6 Female: 4.1 Branch: 4.5 Overall: 4.4	4.03	Male: 4.25 Female: 3.75 Branch: 4 Overall: 4.25
KPI-P-03 STD3	Students' evaluation of the quality of the courses	Male: 4.01 Female: 3.92 Branch: 4.01 Overall: 3.98	Male: 3.74 Female: 3.82 Branch: 4.01 Overall: 3.88	Male: 4.02 Female: 4.06 Branch: 4.12 Overall: 4.06	4	Male: 4.12 Female: 4.32 Branch: NA Overall: 4.22	3.7	4.25
KPI-P-04 STD3	Completion rate	Male: 17% Female: 87.5% Branch: 62% Overall: 55.5%	Male: 13.4% Female: 43.04% Branch: 63.54% Overall: 39.99%	Male: 15.58% Female: 44.86% Branch: 64% Overall: 41.48%	Male: 40% Female: 50% Branch: 60% Overall: 50%	Male: 58.33% Female: 57% Branch: 57.67% Overall: 57.67%	45%	Male: 30% Female: 50% Branch: 70% Overall: 50%
KPI-P-05 STD3	First-year students retention rate	Male: 85% Female: 98% Branch: 96% Overall: 93%	Male: 68.04% Female: 97.05% Branch: 100% Overall: 88.36%	Male: 84.13% Female: 96.1% Branch: 97% Overall: 92.41%	90%	Male: 77.78% Female: 70% Branch: NA Overall: 73.89	95%	Male: 90% Female: 100% Branch: 100% Overall: 95%
KPI-P-06 STD3	Students' performance in the professional and/or national examinations	Not Applicable						
KPI-P-07 STD3	Graduates' employability and enrolment in postgraduate programs	Male: 40% Female: 42.8% Branch: 2.5% Overall: 28.43%	Male: 50% Female: 50% Branch: 15% Overall: 38.33%	Male: 60% Female: 29% Branch: 14% Overall: 34.29%	40%	Male: 28.5% Female: 0% Branch: 0% Overall: 9.5%	36%	Male: 65% Female: 40% Branch: 30% Overall: 40%
KPI-P-08 STD3	Average number of students in the class	Male: 12.6 Female: 24.8 Branch: 25.5 Overall: 20.87	Male: 19.71 Female: 25.9 Branch: 21.19	Male: 21.07 Female: 21.24 Branch: 20.59 Overall: 20.97	25	Male: 17.76 Female: 25 Branch: NA Overall: 21.38	30	25

Code	Indicator	2019-20	2020-21	Current value 2021-22	Target (Last year)	Internal Benchmark (BIS, Jazan University)	External benchmark (CS program, King Khalid University)	New Target (For next year)
			Overall: 22.27					
KPI-P-09 STD3	Employers' evaluation of the program graduate's proficiency	Male: 3.4 Female: 3.37 Branch: 3 Overall: 3.26	Male: 5 Female: 4.25 Branch: 3.96 Overall: 4.4	Male: 3.35 Female: 5 Branch: 5 Overall: 4.45	4.5	-	4.75	4.5
KPI-P-10 STD4	Students' satisfaction with the offered services	Male: 3.05 Female: 2.5 Branch: 3.88 Overall: 3.14	Male: 1.93 Female: 3.95 Branch: 3.98 Overall: 3.29	Male: 2.5 Female: 3.07 Branch: 3.5 Overall: 3.02	3.5	Male: 3.18 Female: 3 Branch: 2.6 Overall: 2.93	3.7	3.5
KPI-P-11 STD5	Ratio of students to teaching staff	Male: 11.08 Female: 27.83 Branch: 27.47 Overall: 22.13	Male: 13.74 Female: 26 Branch: 22.88 Overall: 20.87	Male: 17.58 Female: 27.04 Branch: 30 Overall: 24.87	20	Male: 10.72 Female: 37 Branch: NA Overall: 23.86	20	20
KPI-P-12 STD5	Percentage of teaching staff distribution	Male: Prof: 0% Assoc: 0% Assist: 28% Lecturer: 72% TA: 0% Female: Prof: 0% Assoc: 0% Assist: 12.9% Lecturer: 87.1% TA: 0% Branch: Prof: 0% Assoc: 5% Assist: 10% Lecturer: 80% TA: 0% Overall: Prof: 0% Assoc: 0% Assist: 12.33% Lecturer: 87.66% TA: 0%	Male: Prof: 0% Assoc: 0% Assist: 28.57% Lecturer: 65.31% TA: 6.12% Female: Prof: 0% Assoc: 0% Assist: 23.68% Lecturer: 73.68% TA: 2.63% Branch: Prof: 0% Assoc: 0% Assist: 6.25% Lecturer: 62.5% TA: 31.25% Overall: Prof: 0% Assoc: 0% Assist: 23.3% Lecturer: 67.96% TA: 8.74%	Male: Prof: 0% Assoc: 4.44% Assist: 35.56% Lecturer: 60% TA: 0% Female: Prof: 0% Assoc: 0% Assist: 25.71% Lecturer: 71.42% TA: 2.85% Branch: Prof: 0% Assoc: 0% Assist: 7.14% Lecturer: 71.43% TA: 21.43% Overall: Prof: 0% Assoc: 2.13% Assist: 27.66% Lecturer: 65.96% TA: 4.26%	Overall: Prof: 5% Assoc: 5% Assist: 25% Lecturer: 65%	Overall: Prof: 0% Assoc: 0% Assist: 19.3% Lecturer: 80.7%	Overall: Prof: 2.4% Assoc: 14.3% Assist: 21.4% Lecturer: 4% TA: 14.3%	Male: Prof: 5% Assoc: 5% Assist: 40% Lecturer: 50% Female: Prof: 5% Assoc: 5% Assist: 30% Lecturer: 60% Branch: Prof: 5% Assoc: 5% Assist: 15% Lecturer: 75% Overall: Prof: 5% Assoc: 5% Assist: 30% Lecturer: 60%

Code	Indicator	2019-20	2020-21	Current value 2021-22	Target (Last year)	Internal Benchmark (BIS, Jazan University)	External benchmark (CS program, King Khalid University)	New Target (For next year)
KPI-P-13 STD5	Proportion of teaching staff leaving the program	Male: 6% Female: 0% Branch: 0% Overall: 2%	Male: 6.12% Female: 2.7% Branch: 6.25% Overall: 5.02%	Male: 4.44% Female: 2.86% Branch: 0% Overall: 2.43%	5%	Male: 3.12% Female: 8% Branch: 20% Overall: 10.37	2.3%	5%
KPI-P-14 STD5	Percentage of publications of faculty members	Male: 29.41% Female: 12.9% Branch: 15% Overall: 19.1%	Male: 28.57% Female: 32% Branch: 16.66% Overall: 25.74%	Male: 40% Female: 71.43% Branch: 6.5% Overall: 39.31%	Male: 30% Female: 40% Branch: 20% Overall: 30%	Male: 41.94% Female: 56% Branch: NA Overall: 48.97%	33.3%	Male: 50% Female: 75% Branch: 20% Overall: 40%
KPI-P-15 STD5	Rate of published research per faculty member	Male: 0.55 Female: 0.19 Branch: 0.15 Overall: 0.3	Male: 1.45 Female: 0.45 Branch: 0.166 Overall: 0.69	Male: 2.69 Female: 2 Branch: 0.38 Overall: 1.69	0.75	Male: 1.84 Female: 1.65 Branch: NA Overall: 1.74	1.12	Male: 3 Female: 2.5 Branch: 0.5 Overall: 2
KPI-P-16 STD5	Citations rate in refereed journals per faculty member	Male: 17.57 Female: 24.63 Branch: 0.04 Overall: 14.08	Male: 19.83 Female: 25.32 Branch: 1 Overall: 15.38	Male: 14.88 Female: 7.21 Branch: 4.1 Overall: 8.73	Male: 20 Female: 30 Branch: 10 Overall: 20	Male: Female: Branch: Overall:	77.33	20
KPI-P-17 STD6	Satisfaction of beneficiaries with the learning resources	Male: 3.42 Female: 3 Branch: 3.88 Overall: 3.43	Male: 3.07 Female: 3.18 Branch: 3.92 Overall: 3.39	Male: 4 Female: 3.83 Branch: 3.63 Overall: 3.82	3.5	Male: 3.3 Female: 4 Branch: 3.5 Overall: 3.6	3.7	Male: 4.25 Female: 4 Branch: 3.75 Overall: 4

Strategic Plan KPIs							
Code	Indicator	2020	2021	Current value 2022	Target (Last year)	Actual Value	New Target (For next year)
KPI-S-18	Percentage of courses updated based on latest trend and research requirements.	Male: Female: Branch: Overall: 38%	Male: 0% Female: 0% Branch: 0% Overall: 0%	Male: 20 Female: 20 Branch: N/A Overall: 20	25%	20%	25%
KPI-S-19	Students attended the workshops and got trained in the industry-based certification courses.	Male: 30% Female: 30.29% Branch: 20% Overall: 26.76%	Male: 56% Female: 69.64% Branch: 25% Overall: 50.21%	Male: 42.62% Female: 34.7% Branch: N/A Overall: 38.66%	50%	38.66%	50%
KPI-S-20	No. of mini project presented at department level.	Male: 12 Female: 0 Branch: 8 Overall: 10	Male: 15 Female: 9 Branch: 9 Overall: 11	Male: 8 Female: 5 Branch: N/A Overall:	15	11	15

KPI-S-21	Students who participated in technical competitions, workshops, seminars, and conferences.	Male: 40% Female: 0% Branch:2% Overall:14%	Male: 60% Female: 44.35% Branch:20% Overall:	Male: 60% Female: 49% Branch: N/A Overall: 54.5%	25%	54.5%	30%
KPI-S-22	Number of workshops conducted by DAD/QAU to implement best practices in teaching strategies and assessment methods.	Male: 3 Female:3 Branch:3 Overall:3	Male: 8 Female:8 Branch: 8 Overall:8	Male: 5 Female: 4 Branch: N/A Overall:4	10	5	10
KPI-S-23	Number of Quartile awards received towards research every year.	Male: 2 Female: 0 Branch:0 Overall:0	Male: 3 Female: 3 Branch:0 Overall:1	Male: 8 Female: 0 Branch: N/A Overall:4	5	4	5
KPI-S-24	Faculty participated in workshops, training, seminars, and conferences.	Male: 50% Female: 30% Branch:20% Overall:50%	Male: 60% Female: 36.84% Branch:23% Overall: 39.94%	Male: 65% Female: 49% Branch: N/A Overall: 57%	50%	57%	50%
KPI-S-25	Number of trainings conducted in soft skills for the students.	Male: 8 Female: 4 Branch:2 Overall: 4	Male: 12 Female: 4 Branch:2 Overall: 6	Male: 6 Female: 7 Branch: N/A Overall: 6.5	5	6.5	7
KPI-S-26	Number of specialized training programs conducted for the society.	Male: 2 Female: 3 Branch:3 Overall:2.66	Male: 3 Female: 3 Branch:2 Overall:2.66	Male: 5 Female: 3 Branch: N/A Overall:4	3	4	5

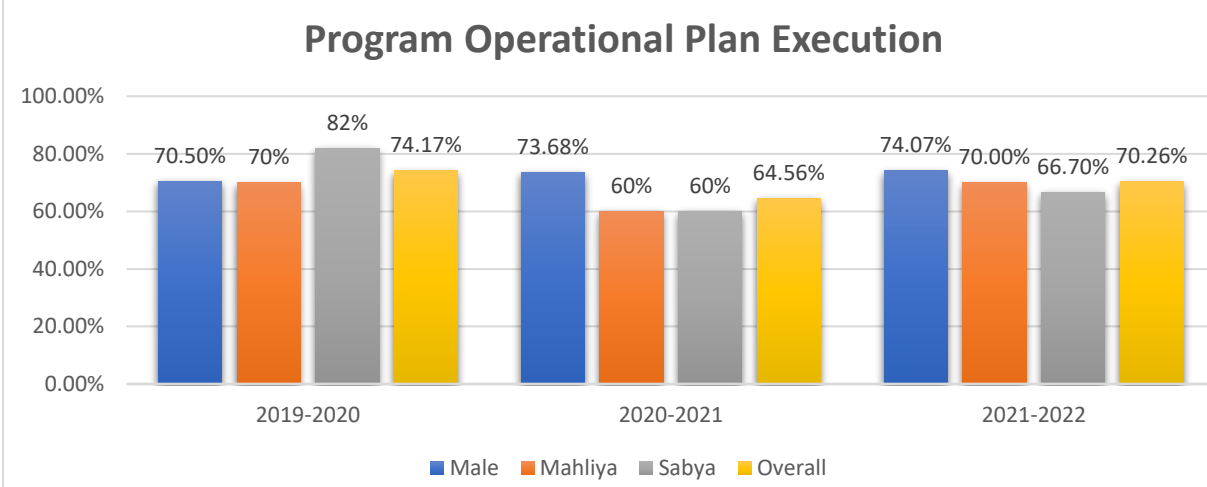
3. KPI Analysis

KPI: 1		Code: KPI-P-1			
Percentage of achieved indicators of the program operational plan objectives.					
Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
70.26%	70%	71.5%	94%		75%

Analysis (strengths and recommendations):

The result for this KPI is 70.26% which is higher than previous year. The male section achieved quite impressive results, more than the target. The major problem with the branch campus (Sabya) is a slight negative this year and very far from the target. And the biggest reason for this is that sometimes students are not aware of the vision and mission of the program.

Program Operational Plan Execution



Year	Male	Mahliya	Sabya	Overall
2019-2020	70.50%	70%	82%	74.17%
2020-2021	73.68%	60%	60%	64.56%
2021-2022	74.07%	70.00%	66.70%	70.26%

Strengths:

There is a positive trend in this KPI, because in the current year major activities related to the action plan were implemented in the program.

Areas of Improvement:

In the female campus and branch campus (Sabya), automated systems are necessary to incorporate the activities.

Recommendation:

- Encourage more faculty members to participate in community programs to achieve community-related initiatives.
- Maintain a high level of awareness by attaching the mission to the faculty's lecture slides.
- There must be a proper follow-up, in order for the research culture and research initiatives to flourish.

****Explanation:**

KPI calculation: This KPI is calculated from the strategic and action plan initiatives.

Number of key performance indicators for the goals of the strategic plan that achieved the annual target level / total number of key performance indicators targeted in the same year) * 100.

KPI: 2

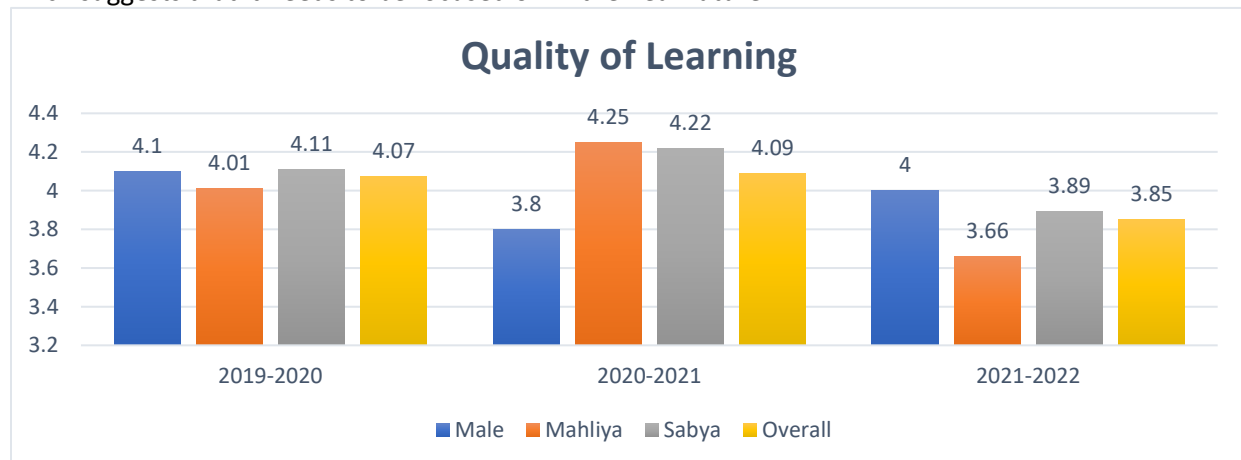
Code: KPI-P-2

Students' Evaluation of quality of learning experience in the program.

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
3.85	4.25	4.4	4.03		4.25

Analysis (strengths and recommendations):

The average response is 3.85, which is lower than the previous year's value of 4.09. The responses of this KPI is taken from the student feedback about the teaching process to identify whether the program is heading in the right or wrong direction. This KPI has a downward tendency when compared to last year, which suggests that it needs to be focused on in the near future.



Strengths:

The program is offering students to participate in group discussions and brainstorm with the help of creative assignments.

Areas of Improvement:

The orientation program should discuss the key points with the students in order to improve the overall quality of their learning experiences in all campuses.

Recommendation:

- Skills-related teaching strategies should be adopted by the teachers to give more practical exposure to students.
- Multiple sources of learning materials and diversified teaching strategies should be adopted for students rather than only memorization-based assessment methods.
- Establish the different clubs to provide scientific and social services for the students to acquire knowledge outside the classroom.

****Explanation:**

KPI calculation: This KPI average rating is calculated from question no. 22 in the Program Evaluation Survey (PES).

Total scores of responses to the last item in the program evaluation survey "I feel generally satisfied with the quality of my educational experience at the university" / Number of respondents to the item.

KPI: 3

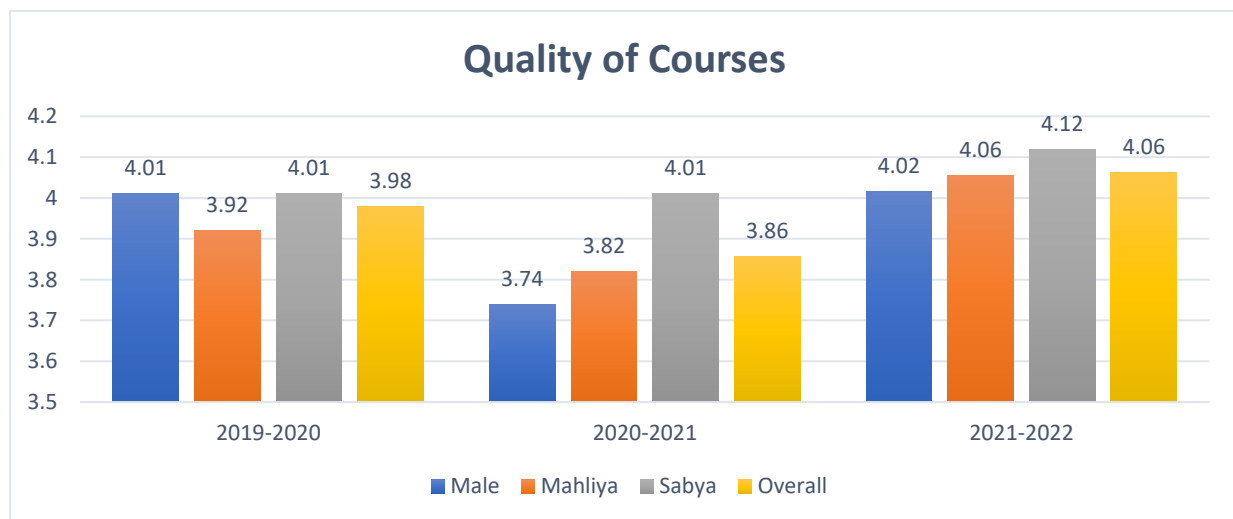
Code: KPI-P-3

Students' evaluation of the quality of the courses.

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
4.06	4	4.22	3.7		4.25

Analysis (strengths and recommendations):

The survey results are satisfactory. The results are much more encouraging on female campus and branch campus (sabya), as all are showing a positive trend. The overall outcome is even better than the previous year's target.



Strengths:

Program shows more positive trend in this KPI due to multiple factors:

- Availability of the latest labs with the latest hardware and software to support them in learning the courses in a better way.
- Course evaluations are conducted regularly, which allows for a consistent evaluation of the course quality.

Areas of Improvement:

Program must establish awareness programs (workshops or lectures) to spread the culture of quality among the students.

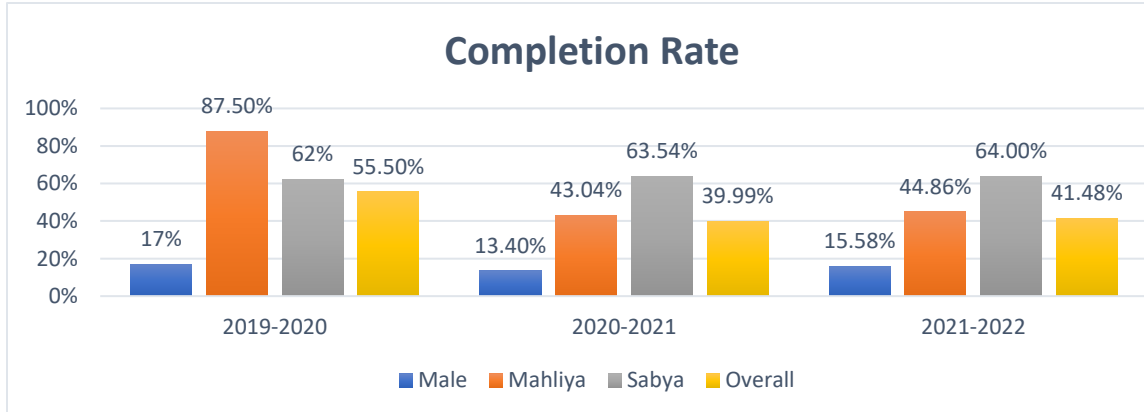
Recommendation:

- Materials should be provided with a question bank so that students can understand how the same topics are framed for different learning outcomes.
- Tutorship must be provided to low achievers.
- Academic advisors must spend some time improving the performance of average students.

****Explanation:**

KPI calculation: This KPI result is calculated from question no.24 in the Course Evaluation Survey.

Total scores of responses to the last paragraph of the course evaluation questionnaire Overall, I am satisfied with the quality of this course. / Number of respondents to the item.

KPI: 4		Code: KPI-P-4																							
Completion rate																									
Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark																				
			King Khalid University																						
41.48%	50%	57.67%	45%		50%																				
Analysis (strengths and recommendations): The result for this KPI is 41.48% overall, which is less than the target of 50%. The major problem with the completion rate is in the male campus, that is slightly negative this year and too far from the target. The biggest reason is that sometimes students drop the courses that ultimately delay their degree duration. In contrast, in the female campus, the completion rate is better. In the branch campus (Sabya) this year, the completion rate is much better and higher than the target, and that is because of the consistency of female students.																									
<div><h3>Completion Rate</h3><table><caption>Completion Rate Data</caption><thead><tr><th>Year</th><th>Male</th><th>Mahliya</th><th>Sabya</th><th>Overall</th></tr></thead><tbody><tr><td>2019-2020</td><td>17%</td><td>87.50%</td><td>62%</td><td>55.50%</td></tr><tr><td>2020-2021</td><td>13.40%</td><td>43.04%</td><td>63.54%</td><td>39.99%</td></tr><tr><td>2021-2022</td><td>15.58%</td><td>44.86%</td><td>64.00%</td><td>41.48%</td></tr></tbody></table></div>						Year	Male	Mahliya	Sabya	Overall	2019-2020	17%	87.50%	62%	55.50%	2020-2021	13.40%	43.04%	63.54%	39.99%	2021-2022	15.58%	44.86%	64.00%	41.48%
Year	Male	Mahliya	Sabya	Overall																					
2019-2020	17%	87.50%	62%	55.50%																					
2020-2021	13.40%	43.04%	63.54%	39.99%																					
2021-2022	15.58%	44.86%	64.00%	41.48%																					
Strengths: In comparison with previous year this year KPI percentage shows positive trend as the final semester passing ratio gets better comparatively.																									
Areas of Improvement: <ul style="list-style-type: none">• Program must identify the courses that are difficult for students and arrange the extra classes.• Program must find reasons for students’ failing, dropping, and withdrawing from their courses through meetings, seminars, and academic advising.																									
Recommendation: <ul style="list-style-type: none">• Academic Advising unit must plan activity to find the problem that the student faced, then suggest the solution to the student's problem.• Students should be motivated to improve their credits. Training, seminars, and workshops shall be conducted to improve their performance.• More effort needs to be made by the student advisor to assure that students are familiar with the details of course requirements and learning outcomes.• Academic Advising unit must investigate the cause of a low proportion of students and motivate them to complete their program in the shortest possible time.																									
**Explanation: KPI calculation: This KPI percentage is calculated from the COHORT analysis. (Number of students who graduated / Number of students admitted to the same cohort) * 100																									

KPI: 5		Code: KPI-P-5																							
First-year students retention rate																									
Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark																				
			King Khalid University																						
92.41%	90%	73.89%	95%		95%																				
Analysis (strengths and recommendations): Program achieved a satisfactory retention rate in comparison with the previous year. The indicator shows an impressive retention rate in the female campus and branch campus (sabya) which is above the target benchmark.																									
<div><h3>Student Retention Rate</h3><table><thead><tr><th>Year</th><th>Male</th><th>Mahliya</th><th>Sabya</th><th>Overall</th></tr></thead><tbody><tr><td>2019-2020</td><td>85%</td><td>98%</td><td>96%</td><td>93.00%</td></tr><tr><td>2020-2021</td><td>68.04%</td><td>97.05%</td><td>100%</td><td>88.36%</td></tr><tr><td>2021-2022</td><td>84.13%</td><td>96.10%</td><td>97%</td><td>92.41%</td></tr></tbody></table></div>						Year	Male	Mahliya	Sabya	Overall	2019-2020	85%	98%	96%	93.00%	2020-2021	68.04%	97.05%	100%	88.36%	2021-2022	84.13%	96.10%	97%	92.41%
Year	Male	Mahliya	Sabya	Overall																					
2019-2020	85%	98%	96%	93.00%																					
2020-2021	68.04%	97.05%	100%	88.36%																					
2021-2022	84.13%	96.10%	97%	92.41%																					
Strengths: Program organizing orientation programs and multiple activities for the first-year students kept them involved in a healthy learning process.																									
Areas of Improvement: More awareness programs should be conducted for the students.																									
Recommendation: <ul style="list-style-type: none">• Create policies that encourage and motivate students to attend the classes not just for attendance but also to acquire knowledge and excel.• First-year students should be encouraged to join student clubs in order to feel involved.																									
**Explanation: KPI calculation: This KPI percentage is calculated from the COHORT analysis. (Number of students who successfully completed the first year / Number of students accepted from the batch) * 100																									

KPI: 6	Code: KPI-P-6
Students' performance in the professional and/or national examinations	
Not Applicable	

KPI: 7

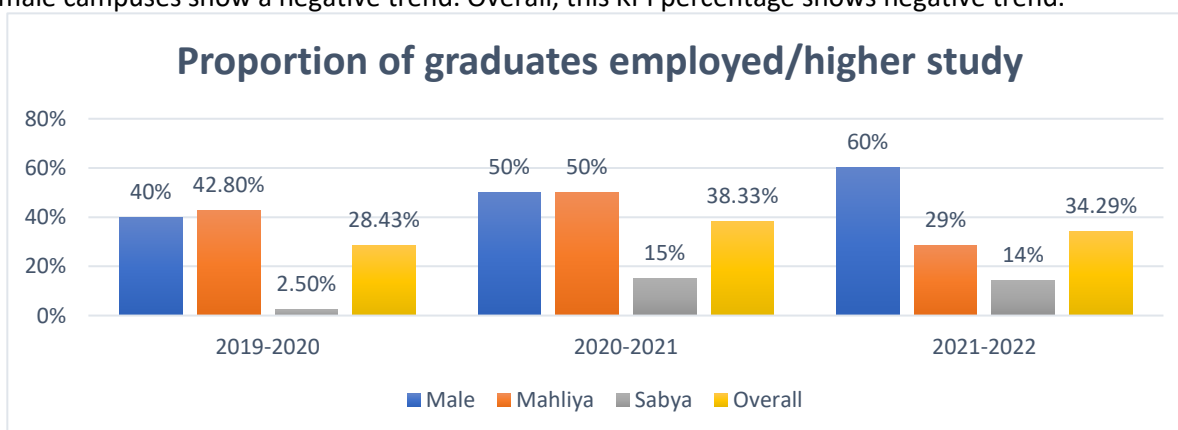
Code: KPI-P-7

Graduates' employability and enrolment in postgraduate programs

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
34.29%	40%	9.5%	36%		40%

Analysis (strengths and recommendations):

In comparison to last year, the employment ratio in the male section increased from 50% to 60%;. In the female campus and branch campus (Sabya) it is decreased. Male campuses show a positive trend, whereas female campuses show a negative trend. Overall, this KPI percentage shows negative trend.



Strengths:

Program is organizing workshops/seminars/Career counseling for the students to develop skills related to interviews, communication, and interpersonal skills.

Areas of Improvement:

Alumni units should be made proactive and should follow up their activities regularly and provide support.

Recommendation:

- The Graduation Project Committee (GPC) and Field Experience Committee must work harder to train the students according to the job market.
- To improve this value, local employers should be invited to participate in the program activities to introduce the graduate students to the vacancies available in the private and public sectors.
- Industrial visits and field trips should be organized for the students.
- Arrange career days and invite national and multinational companies so that students get benefits for their future.
- Continuous professional development and Hands-on courses/training has to be conducted to encourage the students to be more proficient in the skills so that it will help to get selected in the job market.

****Explanation:**

KPI calculation: Percentage if this KPI is calculated from Alumni survey responses.

graduates who employed or enrolled in postgraduate studies during the first year of their graduation / Total number of graduates in the same year) * 100

KPI: 8

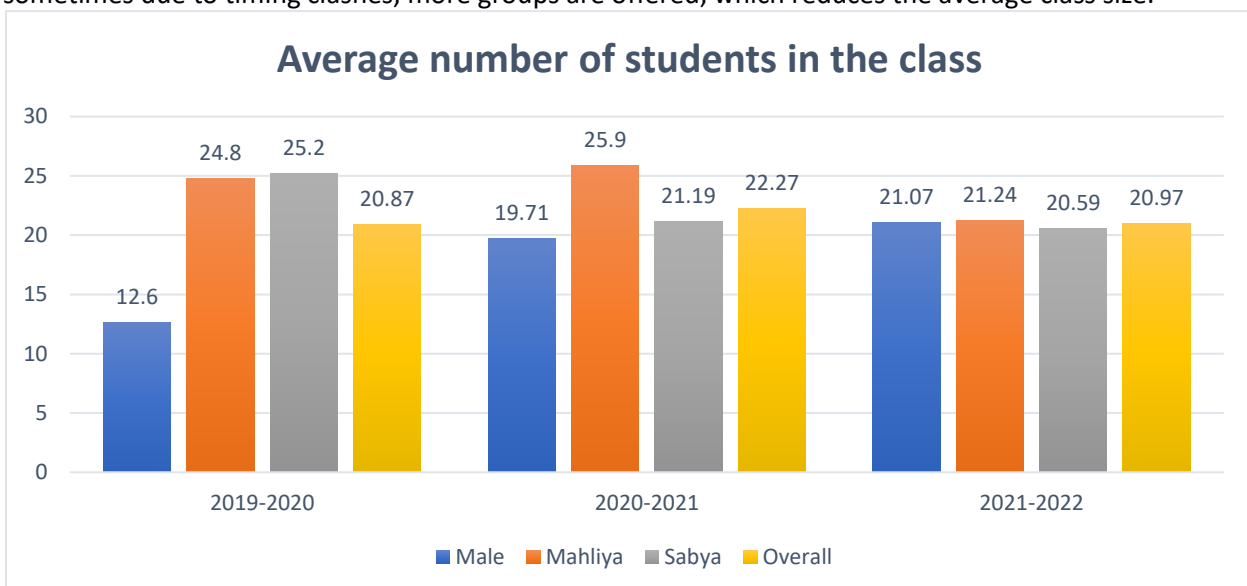
Code: KPI-P-8

Average number of students in the class

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
20.97	25	21.38	30		25

Analysis (strengths and recommendations):

The overall value is decreased in comparison with last year. Individual values in the female campus and branch campus (Sabya) are quite low due to the low number of students in higher-level courses. And also, sometimes due to timing clashes, more groups are offered, which reduces the average class size.



Strengths:

In the Female campus and Branch campus (Sabya), student registrations are satisfactory.

Areas of Improvement:

- The guidelines for the scheduling committee should be written down and made very clear to extend the students' timetable to enhance this shortage.
- Female campuses have adequate number of students but the ratio is low due to the female groups assigned to male campus.

Recommendation:

- Divide the number of students equally in all groups.

****Explanation:**

KPI calculation: Average number of students in the program sections.

KPI: 9

Code: KPI-P-9

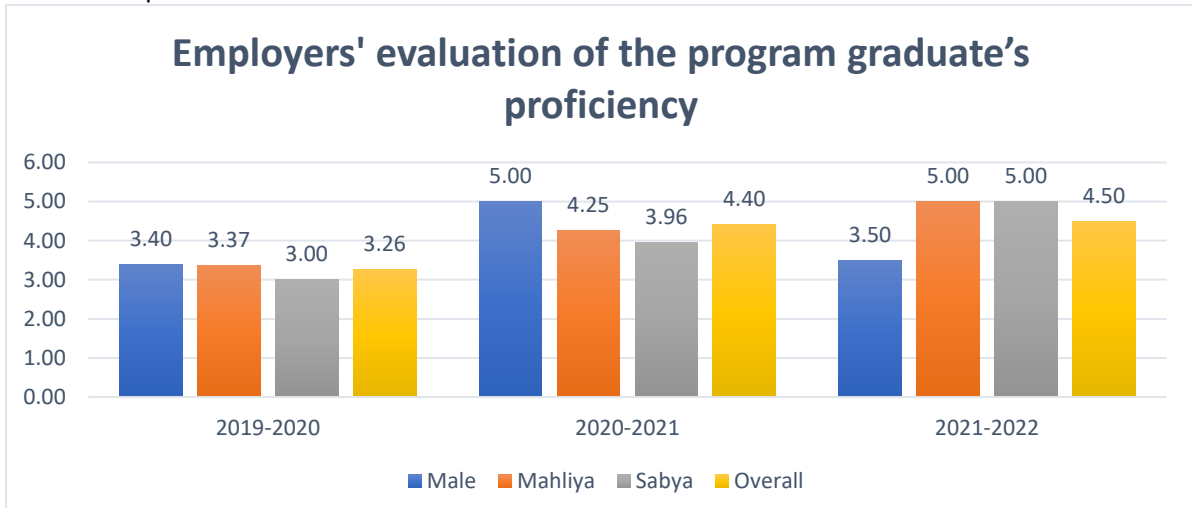
Employers' evaluation of the program graduate's proficiency

Actual Benchmark	Target Benchmark	Internal Benchmark*	External Benchmark**		New Target Benchmark
4.45	4.5	-	4.75		4.5

Analysis (strengths and recommendations):

The overall outcome is satisfactory and better than the previous year. In the female campus and branch campus (Sabya) the result is much more encouraging as all are showing a positive trend in comparison with the previous year. Whereas male campus result is very low compare with the previous year and female campuses.

Employers' evaluation of the program graduate's proficiency



Period	Male	Mahliya	Sabya	Overall
2019-2020	3.40	3.37	3.00	3.26
2020-2021	5.00	4.25	3.96	4.40
2021-2022	3.50	5.00	5.00	4.50

Strengths:

Program is organizing an intra college competition, project exhibitions and programming quizzes to develop the team spirit and leadership skills.

Areas of Improvement:

Students must be trained in more ethical, interpersonal, and communication-related skills so they can work both individually and as a team member.

Recommendation:

- Increase the number of participants from employers in the evaluation process for graduates of the program to identify the drawbacks in the educational process.
- Latest industrial tools must be available to students in the labs.

**Explanation:

KPI calculation: This KPI is calculated from Employer Survey.

Total scores of responses to the last item in the employers 'evaluation survey for graduates' performance. (I am generally satisfied with the performance of a graduate of Jazan University and would recommend employing graduates from this institution again "/>

KPI: 10

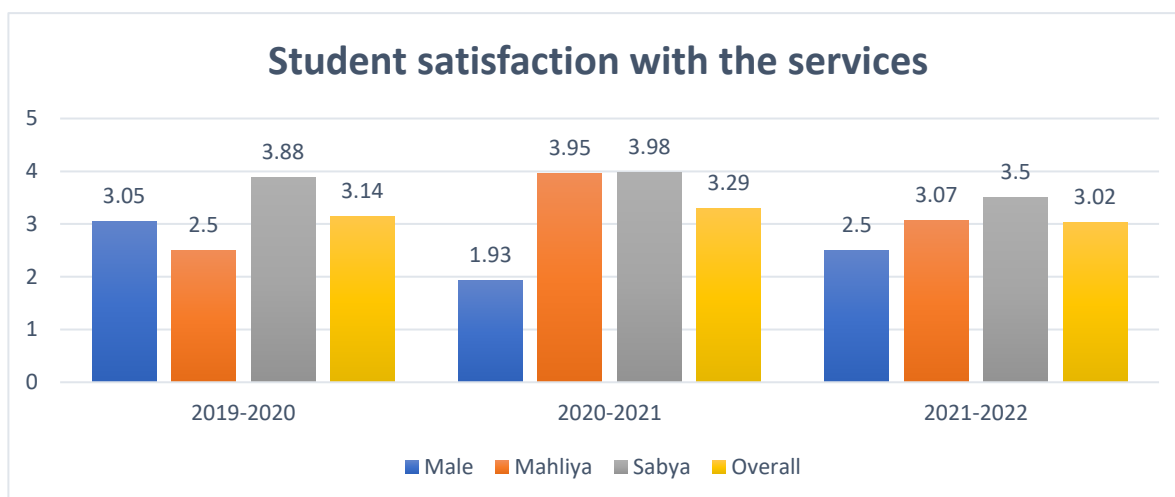
Code: KPI-P-10

Students' satisfaction with the offered services

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
3.02	3.5	2.93	3.7		3.5

Analysis (strengths and recommendations):

The actual target is 3.02, which is less than desired value. The overall actual rating of this indicator is slightly below target but still better than the internal benchmark.



Strengths:

Program is providing all the facilities and services to the students.

Areas of Improvement:

Awareness programs about the services and facilities should be conducted for the students.

Recommendation:

- Facilities should be improved, so that the students can utilize it in a better way.
- Latest books should be added in the library for the students to excel their knowledge.
- Latest software should be provided in laboratories so that students can enhance their technical knowledge.

****Explanation:**

KPI calculation: Total scores of responses to item 22 in the student experience survey. "I feel satisfied with other services (restaurants, transportation, sports facilities, etc. / Number of respondents to the item).

KPI: 11

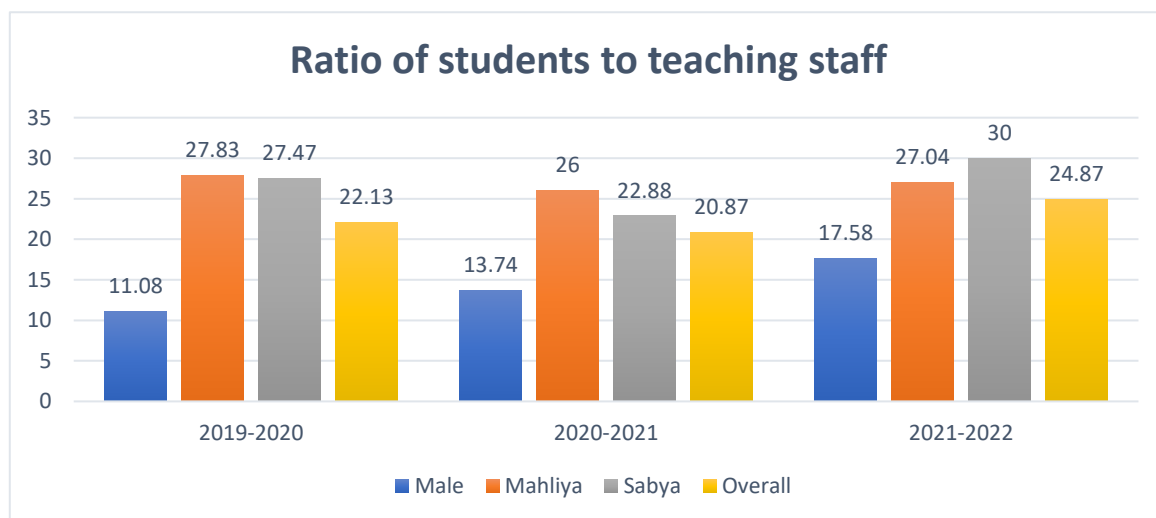
Code: KPI-P-11

Ratio of students to teaching staff

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
24.87	20	20	23.86		20

Analysis (strengths and recommendations):

The overall result of this indicator is slightly more than the target benchmark in comparison previous year.



Strengths:

All the campuses show positive trend.

Areas of Improvement:

In the female campus and branch campus (Sabya), the ratio can be tuned to 25:1 by increasing the faculty strength.

Recommendation:

- By increasing the faculty's ratio, the target value can be achieved.

****Explanation:**

KPI calculation: (Number of students / numbers of full-time faculty or equivalent) * 100)

KPI: 12

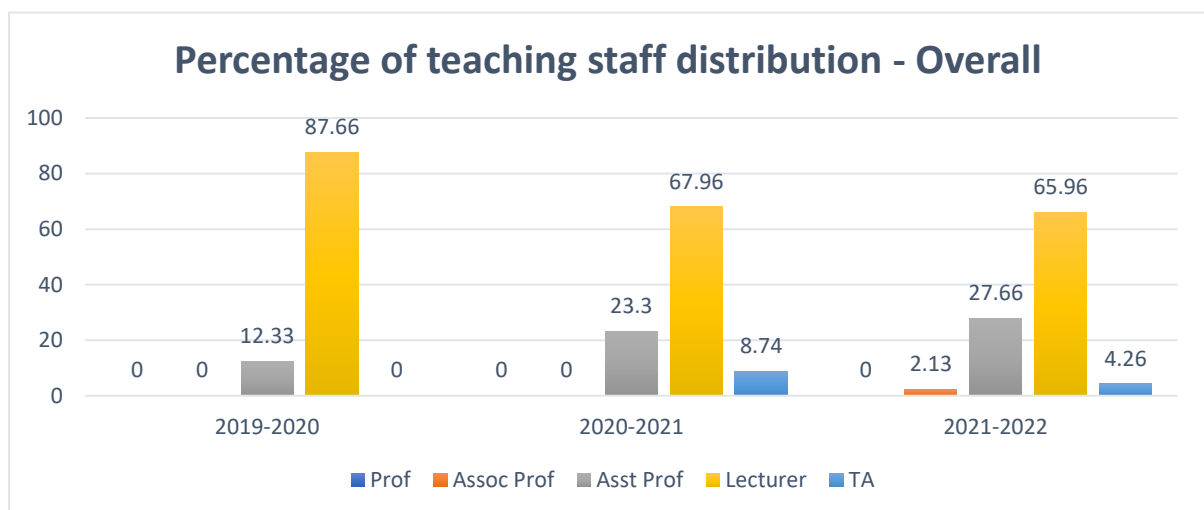
Code: KPI-P-12

Percentage of teaching staff distribution

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
Prof.=0% Asso Prof.=2.13% AP=27.66% Lecturer=65.96% TA=4.26%	Prof.=5% Asso Prof.=5% AP=25% Lecturer=65%	Prof.=0% Asso Prof.=0% AP=19.30% Lecturer=80.70%	Prof.=2.4% Asso P=14.3% AP=21.4% Lecturer=43% TA=14.3%		Prof.=5% Associate Prof.=5% AP=30% Lecturer=60%

Analysis (strengths and recommendations):

The overall teaching staff distribution is impressive compare to previous year. The department needs more PhD faculty members. Foreign faculty recruitment has ceased in recent years, with only Saudi faculty members returning after completing master's and PhD degrees at international universities.



Strengths:

The result shows department have sufficient number of faculties.

Areas of Improvement:

Department must hire Professors and Associate professors.

Department must encourage teacher assistants to apply for master's programs and lecturers to apply for PhD programs.

Recommendation:

- Program must request the university's HR department to search for more PhD staff to reinforce the teaching, learning, and research cultures.

****Explanation:**

KPI calculation: Percentage distribution of faculty members in terms of: 1. Sex 1. Branches 2. Academic rank.

KPI: 13

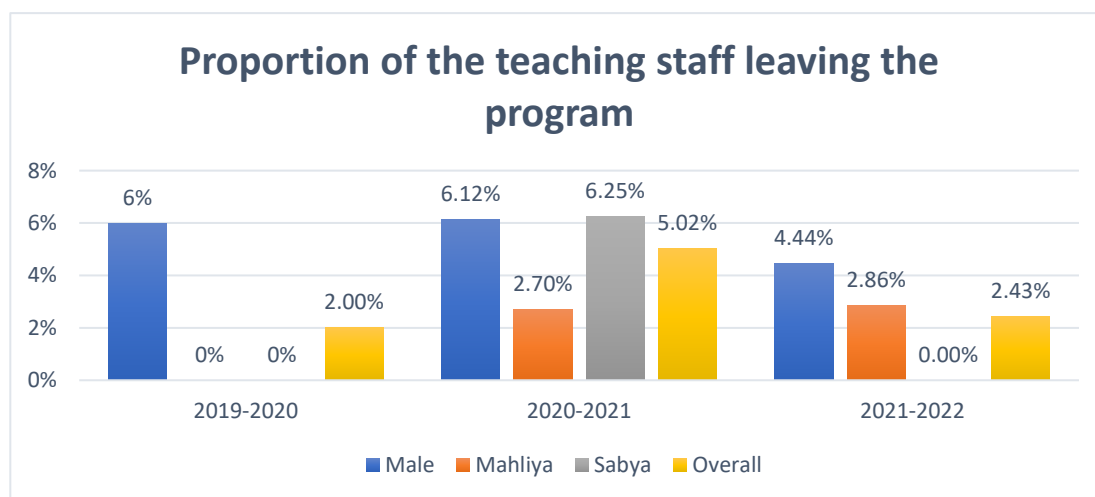
Code: KPI-P-13

Proportion of teaching staff leaving the program

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
2.43%	5%	10.37%	2.3%		5%

Analysis (strengths and recommendations):

The overall value is less than the previous year. The faculties are more satisfied with their job. The number of teaching staff is enough to run the program.



Strengths:

Program have experience faculty members from all the campuses. Even though there is a very low quitting ratio in all three locations, the Department is still welcoming the new Saudi faculty members who are returning after completing their higher studies at foreign universities to increase the collective skills of the department in terms of manpower.

Areas of Improvement:

Majority of the teaching staff is having more than 10 years of teaching and not leaving the job. Most of the faculty members are comfortable with their job.

Recommendation:

- Evaluation of teaching staff should be done annually to determine the performance of faculty members, so department may decide in more proper way to keep the skilled members intact in any circumstances.
- More skilled Saudi faculties should be added to increase the percentage among Saudi and Foreign faculty members.
- The department must exercise the faculty appraisal forms and required actions with more emphasis.

****Explanation:**

KPI calculation: (Number of teaching staff who leave the program annually for reasons other than reaching retirement age / total number) * 100

KPI: 14

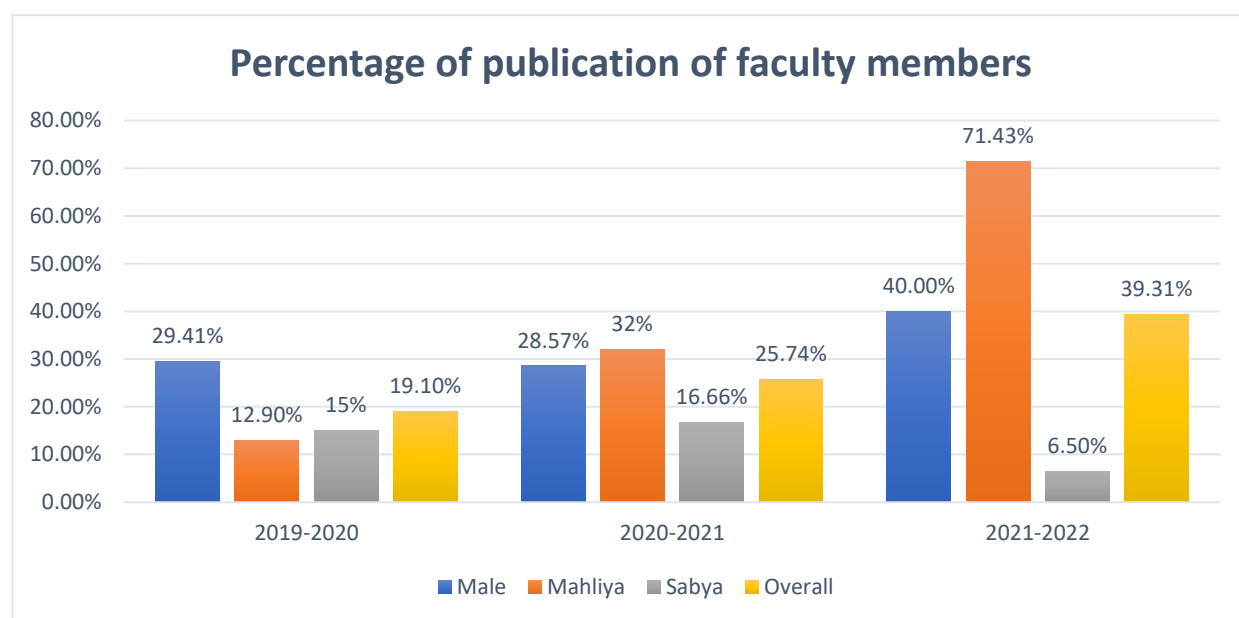
Code: KPI-P-14

Percentage of publications of faculty members

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
39.31	30%	48.97	33.3%		40%

Analysis (strengths and recommendations):

The overall value is more than the previous year. It's a positive trend among all the campuses. More faculty members are taking research as their essential part with teaching.



Strengths:

All the faculties are involved in research activities.

Areas of Improvement:

Seminars and conferences should be arranged by the Research Unit of the department in order to motivate the faculty members to get involved in research activities.

The research committee should provide proper guidance and resources for the researchers to complete their research activities.

Recommendation:

- In Faculty evaluation, Research contribution must be a mandatory parameter for retention and awards.
- The researchers should be paid off sufficiently for more research publications.

****Explanation:**

KPI calculation: The percentage of faculty members who published at least one research during the year from the total number of faculty members.

KPI: 15

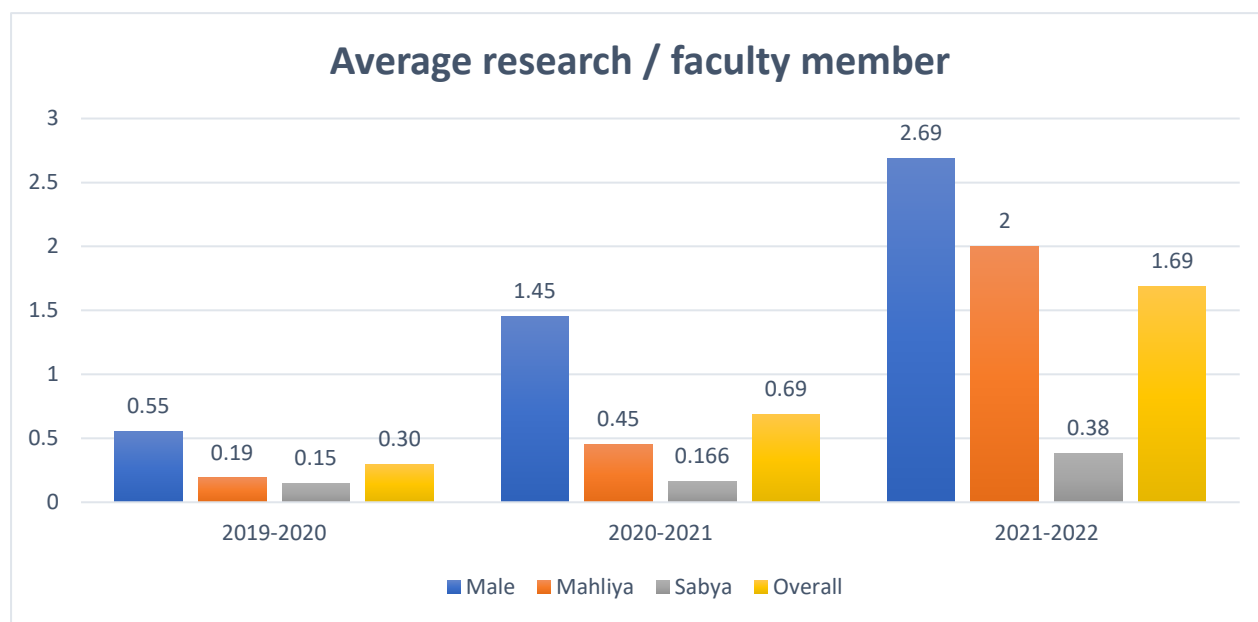
Code: KPI-P-15

Rate of published research per faculty member

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
1.69:1	0.75:1	1.74:1	1.12:1		2:1

Analysis (strengths and recommendations):

Overall value is more than the previous year. All the campuses are showing immense growth in the research publications.



Strengths:

Faculties are showing lot of interest in exploring their research publications.

Areas of Improvement:

Seminars and conferences should be arranged by the Research Unit of the department in order to motivate the faculty members to get involved in research activities.

Recommendation:

Faculty should get enough resources (like finance, software, devices etc.) and time for the research activities.

****Explanation:**

KPI calculation: Total number of refereed and / or published research to the number of full-time faculty members or equivalent during the year.

KPI: 16

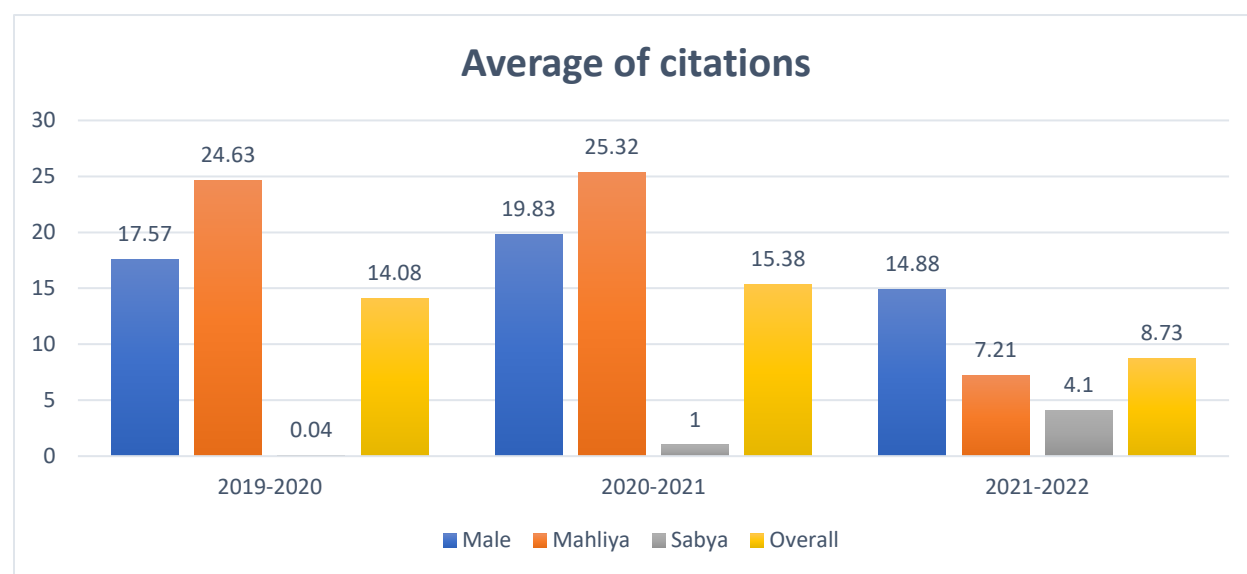
Code: KPI-P-16

Citations rate in refereed journals per faculty member

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
8.73	20:1	-	77.33		20:1

Analysis (strengths and recommendations):

Overall value is less than the target value when compared with the previous year.



Strengths:

Faculty members are looking forward to go with new executable areas for their research to be implemented.

Areas of Improvement:

The journals and the area of research should meet the requirements of futuristic implementations.

The journals should have high indexing and impact factor.

The research should be applicable in current scenario and should be applied in futuristic research work.

Low percentage of PhD faculty that's why collective percentage becomes very low.

Recommendation:

- Seminars and conferences should be arranged by the Research Unit in collaboration with Deanship of Research to motivate the faculty members to get involved in research activities.
- Funded research projects should be applied and win by the faculty members to have financial support and publish article in good journals.

****Explanation:**

KPI calculation: Number of times faculty publications were cited / total number of published papers.

KPI: 17

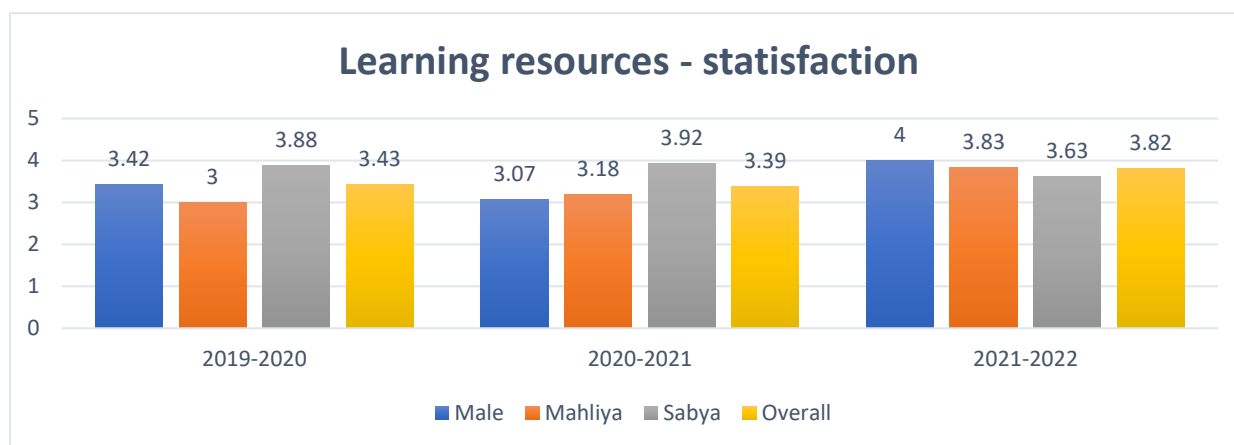
Code: KPI-P-17

Satisfaction of beneficiaries with the learning resources

Actual Benchmark	Target Benchmark	Internal Benchmark* (IS program, Jazan University)	External Benchmark**		New Target Benchmark
			King Khalid University		
3.82	3.5	3.6	3.7		4

Analysis (strengths and recommendations):

Overall value is more than the previous year. All the campuses are provided with well-equipped learning resources.



Strengths:

All the campuses are provided with more equipped laboratories and infrastructure, so it's a positive trend among all the campuses.

Areas of Improvement:

The library should be updated with the books that reflect the newest trends for the benefit of the faculty and students.

Students should avail all the possible facilities provided to them and explore their knowledge and skills.

Recommendation:

- Orientation workshops should be given to students so they can support from SDL.
- Reading habits should be promoted among the students.

****Explanation:**

KPI calculation: Average scores of responses in the program evaluation survey on the item "The library resources were appropriate and available whenever I needed them." / Number of respondents to the item.

4. Strategic KPI's Analysis

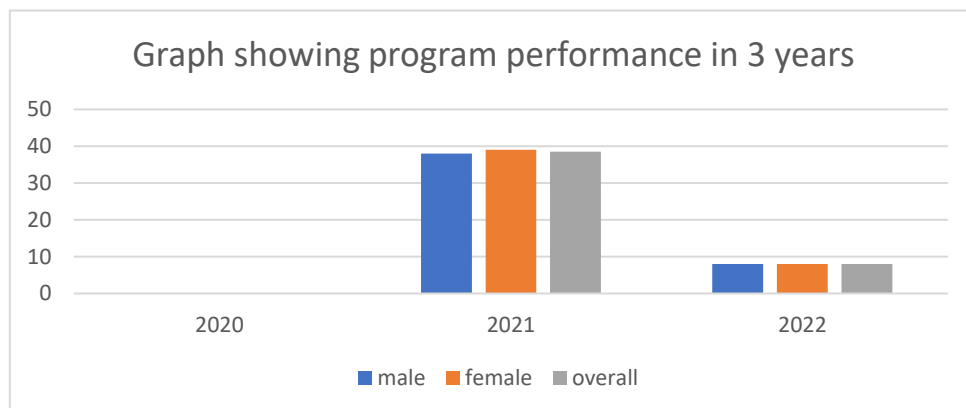
KPI: 18

Code: KPI-S-18

Percentage of courses updated based on latest trend and research requirements.

Actual Benchmark	Target Benchmark	New Target Benchmark
20 %	25%	25%

Analysis (strengths and recommendations):



Department have a well-defined Program Assessment Committee, Curriculum & Teaching Committee and Program Advisory Committee provide advice on the technological trends and changes in the industry. These committees will assess the job market requirements and provide suggestion for updating the courses. With the help of the Track Leader & Course Coordinators along with the Course Teachers courses will be updated and submitted to CRC and then submitted for approval by the responsible committees. New curriculum was put in place so there was not much room to update curriculum. However, few numbers of courses were updated based on latest trend and requirement and update in hardware and software tools as per requirement.

Strengths:

Regular surveys were conducted with the stakeholders. And feedback was also taken to update the courses. And based on the survey results the percentage of courses were updated. New curriculum was well designed and updated recently.

Areas of Improvement:

Identify the recent trend / research in various courses by frequently bringing the experts and alumni. There is always a need for improvement in updating the latest trend in the courses based on the industrial trend.

Recommendation:

- Encourage faculty members to give their suggestions for the course to be updated based on latest trend.
- Conduct regular meetings with the course coordinators and course teachers and look for improvement and updation of courses.
- Invite Alumni & Industrial Experts as speakers to provide guest lectures, seminars for both faculties & students to know the latest trends in the industry.

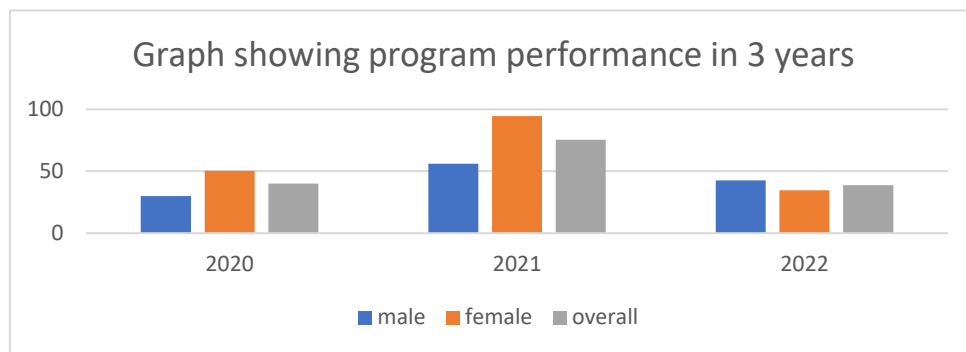
KPI: 19

Code: KPI-S-19

Students attended the workshops and got trained in the industry-based certification courses.

Actual Benchmark	Target Benchmark	New Target Benchmark
38.66 %	50%	50%

Analysis (strengths and recommendations):



Students attended the workshops and got trained in the industry-based certification courses showed a negative trend and the target value is not achieved. Male campus there was a negative trend seen but as far as female campus shows a positive trend of improvement. More orientation should be given to the students regarding the industry-based certification courses. Encourage the students to attend the training opportunities related to the industry in the technical field. Conduct many workshops and involve the students to attend all workshops. Students attended the workshops and got trained in the industry-based certification courses a new target is set to 60%.

Strengths:

Female campus many students attended workshops and got trained in the industry-based certification courses.

Areas of Improvement:

- Conduct many workshops related to industry needs and motivate the students to attend these workshops.
- Establish the different clubs to provide scientific and social services for the students to learn them outside world.
- Train the students about the industry-based certification courses like full stack web development course, python programming, artificial intelligence course, data science course, etc.

Recommendation:

- Conduct many workshops related to industry needs and motivate the students to attend these workshops.
- Establish the different clubs to provide scientific and social services for the students to learn them outside world.
- Train the students about the industry-based certification courses like full stack web development course, python programming, artificial intelligence course, data science course, etc.

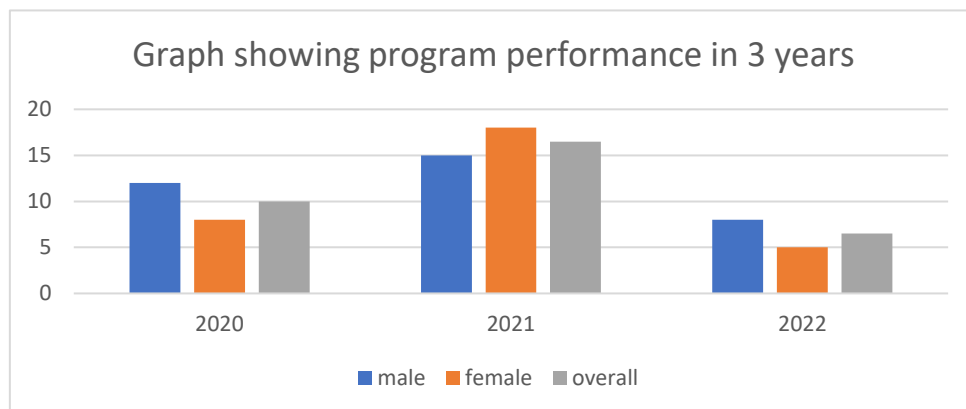
KPI: 20

Code: KPI-S-20

Number of mini projects presented at department level.

Actual Benchmark	Target Benchmark	New Target Benchmark
11	15	15

Analysis (strengths and recommendations):



The number of mini projects presented at the department level is shown in the above table. With respect to the male campus a positive trend is seen. But in case of female campus not many mini projects have come this academic year.

Strengths:

Department used to conduct mini project exhibition every semester. The number of mini projects presented at the department level is shown in the above KPI. There is a raise in the number of mini projects presented during year 2020-2021

Areas of Improvement:

- Encourage students to carry out mini projects in the respective courses.
- Guide the students wherever possible.
- Motivate students and explain the importance of doing mini projects and help them to present their research paper in the conferences.

Recommendation:

- Encourage students to carry out mini projects in the respective courses.
- Guide the students wherever possible.
- Motivate students and explain the importance of doing mini projects and help them to present their research paper in the conferences.
- Graduation Project Committee (GPC) must work and emphasis the need of doing mini project and train the students according to job market.
- Course teachers should encourage the students to choose the best research topics by brainstorming for the courses with mini project as an assessment.
- Research committee should organize regular seminars, workshops and help them to identify the topics for more ideas.

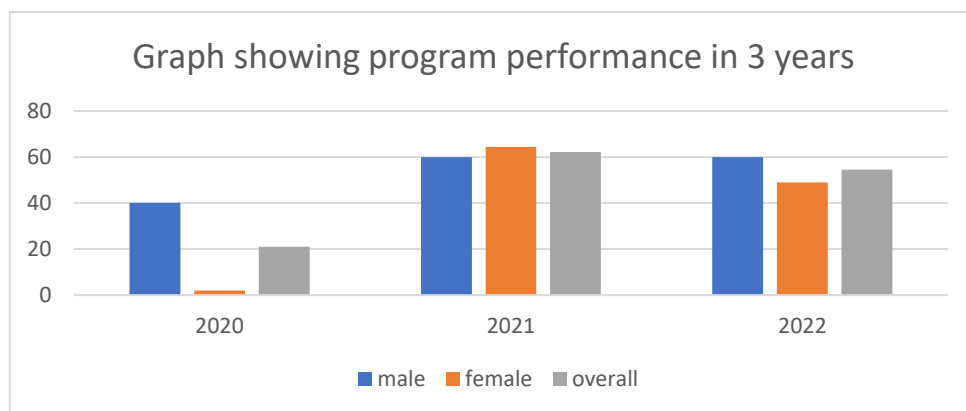
KPI: 21

Code: KPI-S-21

Students who participated in technical competitions, workshops, seminars and conferences.

Actual Benchmark	Target Benchmark	New Target Benchmark
54.5%	25%	30%

Analysis (strengths and recommendations):



Strengths:

Regular workshops, seminars were conducted in the department. The department encourages students to involve and participate in technical competitions, workshops, seminars and conference.

Areas of Improvement:

- Students should be motivated to improve their credits. Training /seminars / workshops shall be conducted to improve their performance.
- More effort needs to be made by the student advisor to assure that students are familiar with details of course requirements and learning outcomes.
- Students' participation is very limited and that can be attributed to the intensive nature of education.

Recommendation:

- Students should be motivated to take part in training /seminars / workshops.
- Regular workshops, seminars will be conducted to improve their performance.
- More effort needs to be made by the student advisor to assure that students are familiar with details of course requirements and learning outcomes.
- Students' participation is very limited and that can be attributed to the intensive nature of education.
- Encourage students to participate in technical competitions, workshops, seminars and conferences.
- Excellence Unit should take the actions in conducting Seminars /workshops for students.

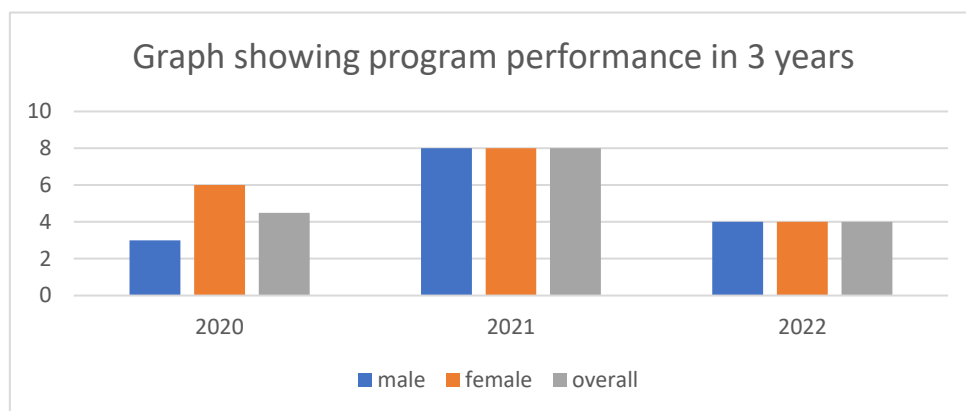
KPI: 22

Code: KPI-S-22

Number of workshops conducted by DAD/QAU to implement best practices in teaching strategies and assessment methods.

Actual Benchmark	Target Benchmark	New Target Benchmark
5	10	10

Analysis (strengths and recommendations):



Strengths:

Deanship of Academic Development (DAD) organizes regular workshops to implement best practices in teaching strategies and assessment methods. DAD/ QAU will identify the various teaching strategies to implement best practices. These workshops will be conducted at regular intervals to improve the assessment methods. During the time of pandemic most of the workshops were conducted online.

Areas of Improvement:

Identify the various teaching strategies and conduct the workshops accordingly.

Recommendation:

- Develop the policies that encourage the faculties and motivate them to participate in the workshops and understand the new teaching strategies and assessment methods.
- Identify the various teaching strategies and conduct the workshops accordingly.
- Quality Unit at the department level also along with the help of Teaching & Learning Unit can suggest new teaching strategies and assessment methods and organize workshops.

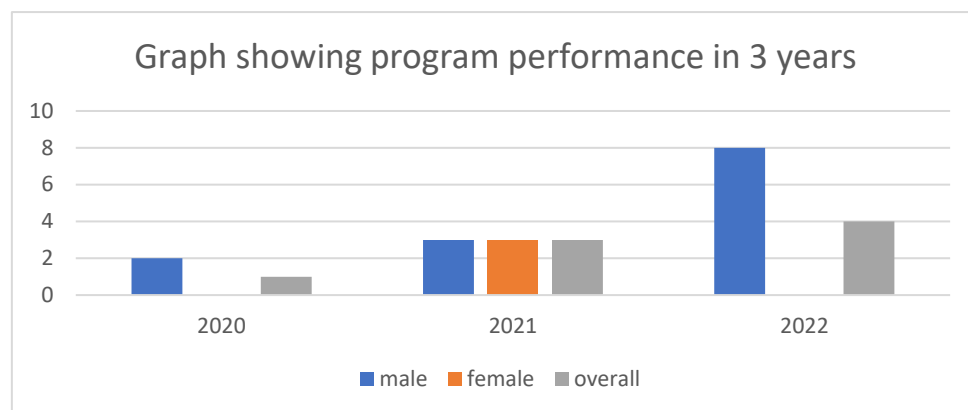
KPI: 23

Code: KPI-S-23

Number of Quartile awards received towards research every year.

Actual Benchmark	Target Benchmark	New Target Benchmark
4	5	5

Analysis (strengths and recommendations):



Strengths:

The university announces the award for scientific publication every year. The faculties who have published papers in reputed indexed journals will for this program. When compared to the previous years this year the number of publications by the faculties shows a positive trend in both campuses. The overall number of quartile awards received towards research this year shows a positive trend in male campus. But in female campus the percentage of the publication towards quartile award remains negative. The number of faculties published papers also has increased when compared to the previous years.

Areas of Improvement:

Support multidisciplinary research.

Encourage students also to publish papers along with the faculty.

Recommendation:

- Encourage faculty members in research activities to publish more papers in reputed journals like ISI, WOS with good impact factor for publications.
- Promote research atmosphere within faculties.
- Conduct regular research seminars, Guest Lectures & Workshops to encourage the faculty members to identify the areas of research.

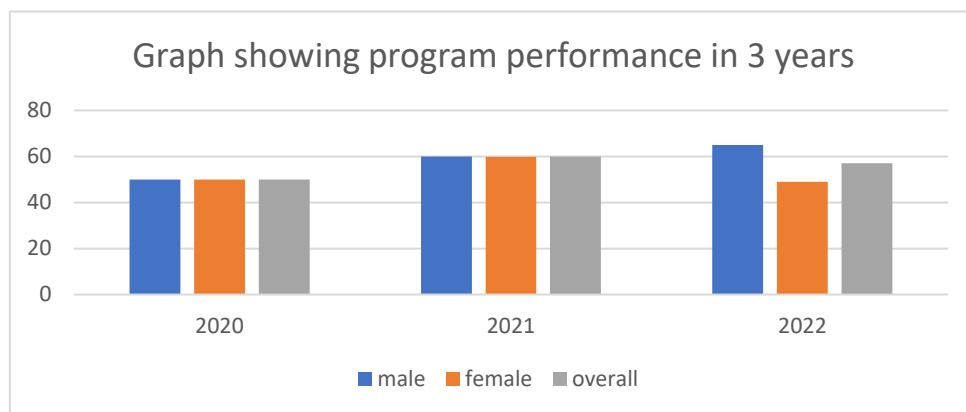
KPI: 24

Code: KPI-S-24

Faculty participated in workshops, training, seminars and conferences.

Actual Benchmark	Target Benchmark	New Target Benchmark
57%	50%	65%

Analysis (strengths and recommendations):



Strengths:

Faculties participated in workshops, training, seminars and conferences shows a positive trend during the 2021-2022 year. Male campus 60% has been achieved. It was more than the target. Many faculties during the year attended workshops, trainings and conferences. But when compared with female campus (muhalya and sabya) it was low than the target. With respect to male faculties there was a raise in the participation. Both campuses show a positive trend when compared to previous years.

Areas of Improvement:

Organize conferences at the department level.

Conduct faculty development program from time to time and encourage faculties to participate.

Recommendation:

- Encourage faculty members to participate in workshops, training, seminars and conferences.
- Circulate among the faculty members the various conferences, seminars taking place both nationally and internationally through research committee.
- Support faculties attending the conferences, seminars etc.

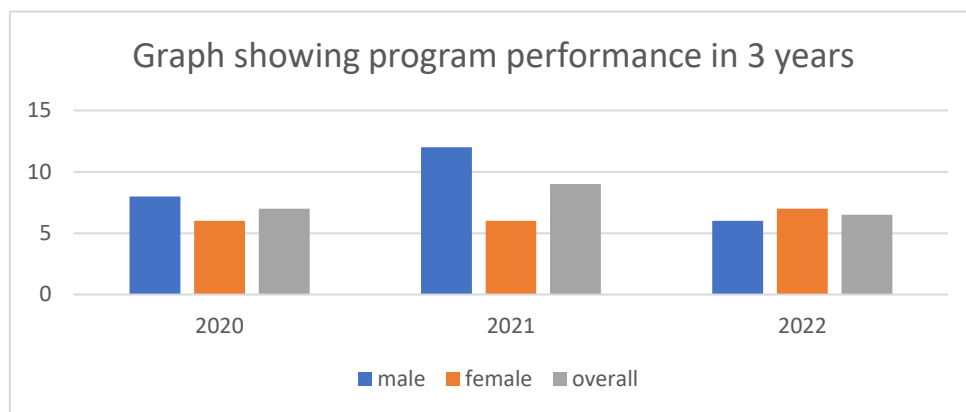
KPI: 25

Code: KPI-S-25

Number of trainings conducted in soft skills for the students

Actual Benchmark	Target Benchmark	New Target Benchmark
6.5	10	10

Analysis (strengths and recommendations):



Strengths:

The number of trainings conducted in soft skills for the students shows a positive trend. And the number of trainings conducted in male and female campus almost achieved the target.

Areas of Improvement:

- Stating what you want your students to be able to do at the end of the program
- Orient teaching and other academic processes to facilitate students to do what they are expected to do.
- Assess the students whether they are able to do what they are expected to do.
- Explain the importance of improving the soft skills to the students so that those skills can be applicable to all professions.

Recommendation:

- Equip the classrooms with more facilities.
- Conduct soft skills training for the students through zoom, Webex etc.
- Include the soft skills hour in the time table for the pre final year and final year students and prepare them for the job market.

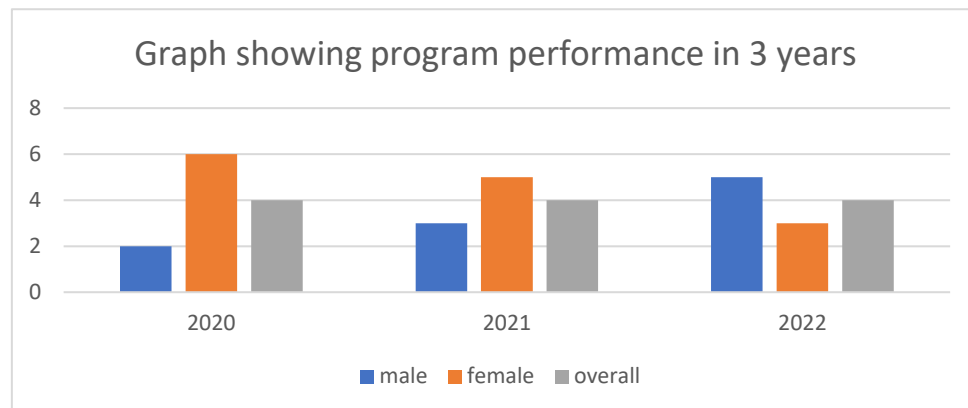
KPI: 26

Code: KPI-S-26

Number of specialized training programs conducted for the society.

Actual Benchmark	Target Benchmark	New Target Benchmark
4	3	5

Analysis (strengths and recommendations):



Strengths:

Faculties and students are involved in the training for the society. Awareness program was also conducted by the society.

Areas of Improvement:

- Identify and conduct programs according to the need of the society.

Recommendation:

- Organize more specialized training programs for the society.
- Involve students and faculties towards conduction of specialized programs.
- Identify and conduct programs according to the need of the society.
- Promote technological advancements and create awareness among the society.

Overall Evaluation for Quality of the KPIs and Improvement Plan

Analysis (Strengths and Weaknesses)

- Most of the KPIs are improving continuously including:
 - ✓ Students' evaluation of the quality of their courses
 - ✓ Employers' evaluation of the program graduate's proficiency
 - ✓ Percentage of teaching staff distribution
 - ✓ Percentage of publication of faculty members
 - ✓ Average research per faculty member
 - ✓ Satisfaction of beneficiaries with learning resources
- The following KPIs need more attention for improvement:
 - ✓ Percentage of achieved target level of KPI of program operational plan
 - ✓ Students' Evaluation of quality of learning in program
 - ✓ Completion Rate and First-Year Students Retention Rate
 - ✓ Graduates' employability and enrolment in postgraduate programs

Recommendations

- To improve 'Percentage of achieved target level of KPI of program operational plan' requires:
 - ✓ Encouraging more faculty members towards community programs to achieve community related initiatives.
 - ✓ Maintain a high level of awareness by attaching the mission to the faculty's lecture slides.
 - ✓ There must be a proper follow-up, in order for the research culture and research initiatives to flourish.
- Improving 'Students' Evaluation of quality of learning experience in the program' requires to focus on:
 - ✓ Skills related teaching strategies should be adopted by the teachers to give more practical exposure to students.
 - ✓ Multiple sources of learning materials and diversified teaching strategies should be adopted for students rather than only memorization-based assessment methods.
 - ✓ Establish different clubs to provide scientific and social services for the students to acquire knowledge outside the classroom.
- To Improve 'Completion Rate and First-Year Students Retention Rate', emphasis on:
 - ✓ Academic Advising unit must plan activity to find the problem that the student faced, then suggest the solution to the student's problem.

- ✓ Students should be motivated to improve their credits. Training, seminars, and workshops shall be conducted to improve their performance.
 - ✓ More effort needs to be made by the student advisors to assure that students are familiar with the details of course requirements and learning outcomes.
 - ✓ Academic Advising unit must investigate the cause of a low proportion of students and motivate them to complete their program in the shortest possible time.
 - ✓ Create policies that encourage and motivate students to attend the classes not just for attendance but also to acquire knowledge and excel.
 - ✓ First-year students should be encouraged to join student clubs in order to feel involved.
- To Improve 'Graduates' employability and enrolment in postgraduate program',
 - ✓ The Graduation Project Committee (GPC) and Field Experience Committee must work harder to train the students according to the job market.
 - ✓ Local employers should be invited to enlighten the graduate students about the vacancies available in the private and public sectors.
 - ✓ Industrial visits and field trips should be organized for the students.
 - ✓ Arrange career days and invite national and multinational companies so that students get benefits for their future.
 - ✓ Continuous professional development and Hands-on courses/training has to be conducted to encourage the students to be more proficient in the skills so that it will help to get selected in the job market.

Improvement Plan

The Program must focus on the following to improve the target KPI for the upcoming year.

- Track and prompt activities of program operational plan' in their proper timings, an automated or evaluation tool for the operational plan must be in place. Stakeholders should be engaged in the process of developing the operational plan, and the vision and mission serve to guide strategic planning.
- Program must establish awareness programs (workshops or extra lectures) to spread the culture of quality among the students. Orientation program should discuss the key points with the students in order to improve the overall quality of their learning experience.
- The library should be updated with the books that reflect the newest trends for the benefit of the faculty and students.
- Academic advisors must spend some time improving the performance of average students and must identify the courses that are difficult for students and arrange the extra classes.
- Students must be trained in more ethical, interpersonal, and communication-related skills so they can work both individually and as a team member.

- Program must find reasons for students' failing, dropping, and withdrawing from their courses through meetings, seminars, and academic advising.
- The guidelines for the scheduling committee should be written down and made very clear to extend the students' timetable to improve student-teacher ratio.
- Alumni units should be made proactive and should follow up their activities regularly and provide support.
- Increase the number of participants from employers in the evaluation process for graduates of the program to identify the drawbacks in the educational process.
- The research committee should provide proper guidance and resources for the researchers to complete their research activities. Seminars and conferences should be arranged by the Research Unit in collaboration with Deanship of Research to motivate the faculty members to get involved in research activities.
- Evaluation of teaching staff should be done annually to determine the performance of faculty members, so department may decide in more proper way to keep the skilled members intact in any circumstances.
- More skilled Saudi faculties should be added to increase the percentage among Saudi and Foreign faculty members. Program must request the university's HR department to search for more PhD staff to reinforce the teaching, learning, and research cultures.

Overall Evaluation for Quality of the SKPIs and Improvement Plan

Analysis (Strengths and Weaknesses)

- Most of the SKPIs are improving continuously including:
 - ✓ Percentage of courses updated based on the latest trends.
 - ✓ Students' participation in technical competitions, workshops, seminars & conferences.
 - ✓ Number of quartile awards received towards research every year.
 - ✓ Faculty participation in workshops, training, seminar & conferences.
 - ✓ Number of soft skills trainings conducted for the students.
 - ✓ Number of specialized training programs conducted for the society.
- The following KPIs need more attention for improvement:
 - ✓ Number of mini projects presented at the department level.
 - ✓ Number of workshops to implement the best practices in teaching strategies and assessment methods.

Recommendations

- To improve 'Number of mini projects presented at the department level' requires:
 - ✓ Encourage students to carry out mini projects in the respective courses.
 - ✓ Guide the students wherever possible.
 - ✓ Motivate students and explain the importance of doing mini projects and help them to present their research paper in the conferences.
 - ✓ Graduation Project Committee (GPC) must work and emphasis the need of doing mini project and train the students according to job market.
 - ✓ Course teachers should encourage the students to choose the best research topics by brainstorming for the courses with mini project as an assessment.
 - ✓ Research committee should organize regular seminars, workshops and help them to identify the topics for more ideas.
- Improving 'Students' Number of workshops to implement the best practices in teaching strategies and assessment methods' requires to focus on:
 - ✓ Develop the policies that encourage the faculties and motivate them to participate in the workshops and understand the new teaching strategies and assessment methods.
 - ✓ Identify the various teaching strategies and conduct the workshops accordingly.
 - ✓ Quality Unit at the department level also along with the help of Teaching & Learning Unit can suggest new teaching strategies and assessment methods and organize workshops.

Improvement Plan

The Program must focus on the following to improve the target KPI for the upcoming year.

- The program should regularly update the courses based on the recent trends in the industry obtaining proper feedback from the industry and experts in the field.
- Encourage the faculties in the research group and guide them to publish more papers in the reputed journals.
- Course teachers must encourage students in the female campus to come out with innovative ideas for mini project.
- Motivate the students to take up industry-based certification courses by explaining the necessity of doing certifications.
- More training should be given in the area of communication, leadership & entrepreneurship.
- Conduct more technical competitions and encourage the students to participate in the competitions, seminars etc.
- Identify the need of the society and conduct specialized training programs for the society.

- Increase the number of participants from employers in the evaluation process for graduates of the program to identify the drawbacks in the educational process.
- The research committee should provide proper guidance and resources for the researchers to complete their research activities.