

**نموذج قياس مؤشرات الاداء للعام الجامعي
1442-1441
للبرامج الاكاديمية**

**Form for measuring KPIs of the academic Program for Master of
Science in Biomedical Engineering**

1441 - 1442 H



INSTITUTIONAL KEY PERFORMANCE INDICATORS - MASTER

Department of Medical Equipment Technology



1441-1442

No	KPI	Target Benchmark	Actual Value	Internal Benchmark	Analysis	New Target Benchmark
KPI-PG-1	Percentage of achieved indicators of the program operational plan objectives: Percentage of performance indicators of the operational plan objectives of the program that have achieved the targeted annual level to the total number of indicators targeted for these objectives in the same year.	50%	%40	50%	Not achieved	50%
MU-P-01	Evaluation of Community Services: Average rating of beneficiaries' satisfaction with the community services provided by the program on a five-level scale in an annual survey	4	4.6	4	Achieved	4.5
KPI-PG-2	Students' Evaluation of quality of learning experience in the program: Average of overall rating of final year students for the quality of learning experience in the program on a five point scale in an annual survey.	4.0	4.0	4.2	Achieved	4.2
KPI-PG-3	Students' evaluation of the quality of the courses: Average students' overall rating of the quality of courses on a five- point scale in an annual survey.	4.0	4.0	4.2	Achieved	4.2
KPI-PG-4	Students' evaluation of the quality of scientific supervision: Average students' overall rating of the quality of scientific supervision on a five point scale in an annual survey.	4.0	4.0	4.2	Achieved	4.2
KPI-PG-5	Average time for students' graduation: Average time (in semesters) spent by students to graduate from the program.	4 Semesters	5 Semesters	4 Semesters	Not Achieved	4 Semesters
KPI-PG-6	Rate of students dropping out of the program: Percentage of students who did not complete the program to the total number of students in the same cohort.	0%	0%	0%	Achieved	0%
KPI-PG-7	Graduates' employability: Percentage of graduates from the program who within a year of graduation were employed to the total number of graduates in the same year.	%80	100%	100%	Achieved	100%
KPI-PG-8	Employers' evaluation of the program graduates' competency: Average of overall rating of employers for the competency of the program graduates on a five point scale in an annual survey.	4.0	3.75	3.5	Achieved	4.0
KPI-PG-9	Students' satisfaction with the provided services: Average of students' satisfaction rate with the various services provided by the program (food, transportation, sport facilities, academic advising, ...) on a five point scale in an annual survey.	4	3.5	4	Not Achieved	4.1
MU-P-02	Students receive warning: The percentage of students who received a warning or more in the program to the total number of students in the program.	0%	0%	0%	Achieved	0%
MU-P-03	Students denied entry to final exam: The percentage of students who were denied entry to the final examination of the	0%	0%	0%	Achieved	0%

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	course for exceeding the legally permitted percentage of the total number of students in the program.						
KPI-PG-10	Ratio of students to faculty members: Ratio of the total number of students to the total number of full-time and fulltime equivalent faculty members participating in the program. (Faculty – 9 Students – 29)	3.22:1	3	3	Achieved	3	
KPI-PG-11	Percentage of faculty members' distribution based on academic ranking: Percentage distribution of faculty members participating in the program based on academic ranking.						
	Professor - 1	25	14.2	25	Not achieved	25	
	Associate Professor - 3	50	42.85	50	Achieved	50	
	Assistant Professor - 3	25	42.85	25	Achieved	25	
KPI-PG-12	Proportion of faculty members leaving the program: Proportion of faculty members leaving the program annually for reasons other than age retirement to the total number of faculty members.	%0	%0	%0	Achieved	%0	
KPI-PG-13	Satisfaction of beneficiaries with learning resources: Average of beneficiaries' satisfaction rate with learning resources on a five-point scale in an annual survey in terms of: a. Their adequacy and diversity (references, journals, databases... etc.) b. The support services provided for their utilization.	4	3.96	5	Not achieved	4	
KPI-PG-14	Satisfaction of beneficiaries with research facilities and equipment: Average of beneficiaries' satisfaction rate with research facilities and equipment (depending on the nature of the program) on a five-point scale in an annual survey.	4	4	5	Achieved	4	
KPI-PG-15	Percentage of publications of faculty members: Percentage of faculty members participating in the program with at least one research publication during the year to total faculty members in the program.	%100	100%	100%	Achieved	100%	
KPI-PG-16	Rate of published research per faculty member: The average number of refereed and/or published research per each faculty member participating in the program during the year (total number of refereed and/or published research to the total number of faculty members during the year)	5	4.15	--	Not Achieved	5	
KPI-PG-17	Citations rate in refereed journals per faculty member: The average number of citations in refereed journals from published research (total number of citations in refereed journals from published research for faculty members to the total published	70:1	48.1	70:1	Not Achieved	70:1	

KPI-PG-18	research) Percentage of students' publication: Percentage of students who: a. published their research in refereed journals b. presented papers in conferences to the total number of students in the program during the year.	10%	15%	%50	Not achieved	20%
KPI-PG-19	Number of patents, innovative products, and awards of excellence: Number of: a. Patents and innovative products b. National and international excellence awards obtained annually by the students and staff of the program.	12/2	12/3	12/9	Not Achieved	17/4
MU-P-04	Students' publications in conferences: The number of student papers that have been published or presented in scientific conferences during the past year.	1	0	0	Not Achieved	1
MU-P-05	Faculty attended professional development activities: The percentage of full-time faculty members who provided professional development activities inside or outside the university during the year to the total teaching staff in the program	2	0	0	Not Achieved	2
		%10	%0	%50	Not Achieved	10%
		%100	%95	%100	Not Achieved	%100

Comments on the Program KPIs and Benchmarks Results :

- ❖ There are 19 NCAAA KPIs and 5 University KPIs.
- ❖ Out of the 19 KPIs under NCAAA, 10 KPIs achieved the target benchmark while 9 KPIs did not achieve the target benchmark.
- ❖ Out of the 5 KPIs under university, 3 was achieved and 2 not achieved
- ❖ KPI-PG-19 needs to be given more priority.

Please refer to the Institutional KPI report 1441-42 H for detailed Analysis, Recommendations and Strengths (**Report Attached**)

Note: KPI-PG =NCAAA KPIs code

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NA: Not Applicable

Survey Results Analysis of measuring KPIs for the academic year 1441-1442 H

1. Strength points in the program:

- A. Students overall rating on the quality of their learning experiences is also increased 4.0/5 points during academic year 1441-42 H.
- B. Out of 24 KPIs, 13 achieved the target level.
- C. Department has increased the Proportion of full-time member of teaching staff with at least one refereed publication by 100% during academic year 1441-1442 H.
- D. No faculty have left the program in the past year (0%)
- E. Citations rate in refereed journals per faculty member is found to be good.
- F. Ratio of the total number of students to the total number of full-time faculty is very good.

2. Points for Improvements:

- A. Percentage of achieved indicators of the program operational plan objectives is 40% and program has to improve significantly.
- B. The average time for students' graduation: Average time (in semesters) spent by students to graduate from the program found to be 5 semesters and program need to improve its thesis monitoring process to ensure all students complete thesis on time.
- C. Percentage of faculty members' distribution based on academic ranking against the target is less. Since the department has two programs and there is a need of more professors.
- D. Rate of published research per faculty member has to be improved. Though handful of faculty members has remarkable publications and few found to be with one or two publications.
- E. Percentage of students' publication: Percentage of students who: published their research in refereed journals, presented papers in conferences to the total number of students in the program during the year is very less.
- F. Number of patents, innovative products, and awards of excellence: Number of Patents and innovative products are nil.
- G. National and international excellence awards obtained annually by the students and staff of the program are nil. Therefore, it is necessary to take proper action to improve these above highlighted points.

3. Priorities for improvement (program improvement plan initiatives):

- A. Percentage of achieved indicators of the program operational plan objectives is 40% and program has to improve significantly.
- B. Rate of published research per faculty member has to be improved. Though handful of faculty members has remarkable publications and few found to be with one or two publications.
- C. Promote Research activities among students in correspondence with faculty and encourage them to take participation in the conferences. Percentage of students' publication and number of patents, innovative products, and awards of excellence are nil. Program has to give immediate attention in this regard.