



Annual Program Report

— (Bachelor)

Program: Bachelor of Science in Civil Engineering
Program Code (as per Saudi Standard Classification of Educational Levels and Specializations): 073201
Qualification Level: 6 th
Department: Civil Engineering
College: College of Engineering
Institution: Jouf University
Academic Year: 1444 (2022-2023)
Main Location : College of Engineering, Sakaka, Al-Jouf, Kingdom of Saudi Arabia
Branches offering the Program (if any): None

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A. Program Statistics

Item	Number
Number of students enrolled in the program	8
Number of students who started the program (in reporting year)	17
Number of students who completed the program	14

B. Program Assessment

1. Program Learning Outcomes Assessment and analysis according to PLOs assessment plan * ([Direct assessment from capstone courses](#))

#	Program Learning Outcomes	Assessment Methods	Targeted Performance (%)	Assessment Results
Knowledge and Understanding				
K1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	Direct PLOs assessment from capstone courses	75%	ATT:100% AVR:95%
Skills				
S1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	Direct PLOs assessment from capstone courses	75%	ATT:100% AVR:95%
S2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors			ATT:100% AVR:93%
S3	An ability to communicate effectively with a range of audiences			ATT:86% AVR:92%
S4	An ability to develop and conduct appropriate experimentation, analyze and			ATT:80% AVR:88%





#	Program Learning Outcomes	Assessment Methods	Targeted Performance (%)	Assessment Results
	interpret data, and use engineering judgment to draw conclusions			

Values, autonomy, and responsibility

V1	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts	Direct PLOs assessment from capstone courses	75%	ATT:100% AVR:100%
V2	An ability to acquire and apply new knowledge as needed, using appropriate strategies			ATT:94% AVR:94%
V3	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plans tasks, and meet objectives			ATT:100% AVR:95%

(Indirect assessment from surveys on the program)

#	Program Learning Outcomes	Assessment Methods	Targeted Performance	Assessment Results		
				Employer Survey (2 nd aspect)	Senior Students (3 rd aspect)	Graduates (2 nd aspect)
Knowledge and Understanding						
K1	An ability to identify, formulate, and solve complex engineering problems by applying principles of	Indirect PLOs assessment from surveys	3.75 (75%)	3.97	4.27	3.67





#	Program Learning Outcomes	Assessment Methods	Targeted Performance	Assessment Results		
				Employer Survey (2 nd aspect)	Senior Students (3 rd aspect)	Graduates (2 nd aspect)
	engineering, science, and mathematics					
Skills						
S1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	Indirect PLOs assessment from surveys	3.75 (75%)	3.97	4.27	3.67
S2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors			4.00	4.30	4.11
S3	An ability to communicate effectively with a range of audiences			4.01	4.00	4.22
S4	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions			4.00	4.20	3.78
Values, autonomy, and responsibility						
V1	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic,	Indirect PLOs assessment from surveys	3.75 (75%)	4.01	4.40	4.33





#	Program Learning Outcomes	Assessment Methods	Targeted Performance	Assessment Results		
				Employer Survey (2 nd aspect)	Senior Students (3 rd aspect)	Graduates (2 nd aspect)
	environmental, and societal contexts					
V2	An ability to acquire and apply new knowledge as needed, using appropriate strategies			4.02	4.33	4.33
V3	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plans tasks, and meet objectives			4.01	4.00	4.22

* [Report on the program learning outcomes assessment results.](#)

Strengths:

- For the **direct assessment** from capstone courses:
 - All the PLOs showed achievement above the target level (75%).
 - Based on the mean achievements of learning domains, all domains (Knowledge domain, Skills domain and Values domain) showed achievement above the target level.
 - Fortunately, the students achieved well in values more than in knowledge and skills, this is a good achievement.
- For the **indirect assessment** from surveys:
 - Senior students expressed higher level of satisfaction than employers and graduates about most of PLOs which also showed higher satisfaction for all PLOs (> 3.40).
 - When calculating the mean of achievements of learning domains, all domains showed achievement equal to or above the target level (75%).

Aspects that need improvement with priorities:

- Although the program successfully achieved all the learning domains (Knowledge domain, Skills domain and Values domain), students lack the ability to deal with the complex problems in civil engineering (related to the opinion of employer & graduates). Therefore, additional efforts have to be implemented by the program in regards to improving the mentioned lack by providing workshops on how to solve complex engineering problems within reasonable





constraints using applicable and numerical tools.

- According to the opinion of graduates, students lack the ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions. To address this deficiency, faculty members who integrate teaming into the lab activities needs to review the teaming opportunities to be sure that each student provided adequate feedback on the understanding and performance of lab tests.
- Additionally, the program should continue and reinforce the effort developed in order to improve the student communication skills on technical writing and oral presentation earlier than senior year levels.

2. Students Evaluation of Courses

Course Code	Course Title	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results	Developmental Recommendations
CVE 101	Engineering Mechanics (Statics)	8	100%	The overall weighted average is 4.45, which means that the grade of satisfaction is "Very High".	None.
CVE 201	Computer drawing	2	100%	The overall weighted average is 5.0, which means that the grade of satisfaction is "Very High".	None
CVE 221	Geology for Civil Engineers	7	70%	The overall weighted average is 5.0, which means that the grade of satisfaction is "Very High"	Group discussion will be implemented to help the students to understand the different Geology subjects.
CVE 202	Integrated Course for Civil Engineers	3	75%	The overall weighted average is 5.0, which means that the grade of satisfaction is "Very High".	The instructor presents the video for practical construction works for the building to make learning interest for this course.
CVE 211	Strength of Materials	3	100	The overall weighted average is 3.75, which means that the grade of satisfaction is "high".	The following topics will include some examples during the lectures: <ul style="list-style-type: none"> • Introduction to mechanical properties of materials. • Bending stresses and shearing stresses





Course Code	Course Title	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results	Developmental Recommendations
CVE 251	Surveying	5	83%	The overall weighted average is 4.0, which means that the grade of satisfaction is "High".	give more time for explaining advanced surveying courses
CVE 241	Fluid Mechanics	4	100%	The overall weighted average is 4.66, which means that the grade of satisfaction is "Very High".	None
CVE 212	Structural Analysis 1	3	100%	The overall weighted average is 3.34, which means that the degree of satisfaction is "Average".	-Conducting Surveys to address any issues. -Additional helpful resources will be uploaded -Grading as soon as possible
CVE 321	Geotechnical Engineering (1)	15	100%	The overall weighted average is 4.5, which means that the grade of satisfaction is "Very High".	Review the teaming opportunities during lab working to be sure that all students are provided adequate feedback on their performance.
CVE 213	Materials of Construction	3	100	The overall weighted average is 3.34, which means that the degree of satisfaction is "Average".	Additional online materials/resources should be uploaded to the Blackboard related to: •Testing of Concrete compressive strength
CVE 311	Structural Analysis (2)	11	100%	The overall weighted average is 3.64, which means that the grade of satisfaction is "High".	In the next trimester, the course instructor will emphasis on Modern technology. The number of problems in the assignments will be decreased next trimester.





Course Code	Course Title	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results	Developmental Recommendations
CVE 312	Reinforced Concrete Design 1	13	100%	The overall weighted average is 4.62, which means that the degree of satisfaction is "V. High".	Theoretical part will be coupled with relative examples to excite the students
CVE 341	Hydraulics	15	88%	The overall weighted average is 4.34, which means that the grade of satisfaction is " High".	Although the student satisfaction is very high in this point, but we can improve this point by asking students to give feedback in front of their colleagues after explaining each topic.
CVE 322	Geotechnical Engineering (2)	10	72%	The overall weighted average is 4.5, which means that the grade of satisfaction is "Very High".	Explain in detail the scoring rubrics related to report and presentation, so students could see how they would be evaluated.
CVE 342	Hydrology and Water Resources Engineering	11	78%	The overall weighted average is 4.0, which means that the grade of satisfaction is "High".	None
CVE 361	Transportation & Traffic Engineering	5	100%	The Overall weighted average is 3.0 , which means that the grade of satisfaction is "average".	The instructor will set up meeting with students during office hours in order to discuss more about the content and the guidelines of the course.
CVE 314	Reinforced Concrete Design (2)	9	100%	The overall weighted average is 4.45, which means that the grade of satisfaction is " Very High".	Students need to communicate with instructor outside of lecture regarding course contents and instruction details.
CVE 313	Design of Steel Structures	7	100%	The overall weighted average is 5.00, which means that the grade of satisfaction is "Very High".	None





Course Code	Course Title	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results	Developmental Recommendations
CVE 331	Construction Management	13	100	the overall is very high (4.62 -92%)	it is preferable to use PM software in the lab if it is available
CVE 371	Sanitary Engineering	7	100%	The overall weighted average is 3.88, indicating a "High" level of satisfaction.	None
CVE 421	Foundation Engineering	17	100%	The overall weighted average is 4.07, which means that the grade of satisfaction is "High"	The level of student satisfaction in this area is high, therefore we can raise it by having students give comments after discussing things in front of their classmates
CVE 431	Construction Engineering & Sustainability	14	93%	The overall weighted average is 4.62, which means that the grade of satisfaction is "Very High".	None
CVE 441	Design of Hydraulic structures	7	100%	The overall weighted average is 4.0, which means that the grade of satisfaction is "High".	Emphasis on using modern technology methods in teaching
CVE 493	Field Training	15	100%	The overall weighted average is 4.30, which means that the grade of satisfaction is "Very High".	None
CVE 461	Highway Engineering	2	100%	The overall weighted average is 5.0, which means that the grade of satisfaction is "Very High".	Assigning more time for solving more problems on the geometric elements of roads
CVE 491	Senior Project	6	100%	The overall weighted average is 5.0, which means that the grade of satisfaction is "Very High".	None





Course Code	Course Title	Number of Students Who Evaluated the Course	Percentage of Participants	Evaluation Results	Developmental Recommendations
CVE 492	Special Topics in Civil Engineering	5	71%	The overall weighted average is 4.0, which means that the grade of satisfaction is " High".	Encouraging students to participate in the class discussion; during lecture and presentation of reports; is a good practice for improving the student level of English and their ability of communication

3. Students Evaluation of Program Quality

Evaluation Date: December 2022	Number of Participants: 30
Students Feedback	Program Response
Strengths: <ul style="list-style-type: none"> Students are pleased to acquire the necessary knowledge and skills relevant to their preferred profession. Students are satisfied that the program has substantially enhanced their ability to collaborate effectively with others. 	-----
Areas of Improvement: <ul style="list-style-type: none"> The process of preparing rooms for lectures, labs, and lessons should be distinguished by its high level of excellence. Adequate provisions should be made for supplemental activities, encompassing the provision of sports and entertainment equipment. Periodical meetings are required to carry out to activate the role of academic guidance. 	<ul style="list-style-type: none"> Ensure that lecture halls, laboratories, and classrooms are adequately prepared to provide an optimal learning environment. Ensure they have adequate sports and recreational equipment in addition to their academic education. Arrange yearly meetings to activate the role of academic guidance.
Suggestions for improvement: <ul style="list-style-type: none"> Adequate provisions should be made for supplemental activities, encompassing the provision of sports and entertainment equipment. 	<ul style="list-style-type: none"> Ensure they have adequate sports and recreational equipment in addition to their academic education.



4. Scientific research and innovation during the reporting year

Activities Implemented	Number
Published scientific research	135
Current research projects	9
conferences organized by the program	0
Seminars held by the program	0
Conferences attendees	3
Seminars attendees	7

Discussion and analysis of scientific research and innovation activities:

A total of 135 papers were published during the academic year 1444H, comprising 133 papers in ISI-indexed journals and 2 papers in non-ISI-indexed journals. The research productivity, as measured by the number of publications per faculty member, was found to be 9 publications per faculty member. Despite the department's inability to organize conferences due to increased efforts to fulfill program accreditation requirements, over 70% of the faculty members attended conferences and scientific forums related to graduation and innovative initiatives. The faculty member successfully obtained two funded research groups and seven funded research projects for the academic year 1444H.

5. Community Partnership

Activities Implemented	Brief Description*
Workshop on "The impact of Driver Behavior on Road Traffic Safety" 19-03-1444H	<ul style="list-style-type: none"> The activity was about the impact of driving behaviour on road traffic safety and the causes of accidents in terms of the driver, vehicle, roads, and policies. There were 49 people in attendance. The outcome of this activity is the identification of the fundamental causes of road accidents as well as steps to avoid and reduce road accidents.
Investigation of suitable materials for project implementation in Qurayyat Governorate.	In accordance with Transaction No. 1/44/717, dated 22/2/1444H (18.09.2022), received from the Secretariat of Qurayyat Governorate, a study was conducted on local materials with the aim of utilising them for the completion of projects within the governorate. The experimental study was carried out by a team containing the following faculty members: Dr. Abdelhalim Azam, Dr. Mahmoud Elkady, Dr. Wassef Ounaies, Dr. Fayez Alanizi, Dr. Fahd Alsharari, and Dr. Md Alhaz Uddin. During the period from 18.09.2022 to 06.12.2022, the team performed several studies of laboratory tests on samples of materials obtained from Qurayyat Governorate.



Activities Implemented	Brief Description*
	After finishing the experimental program, a technical report was published that contained an analysis of the test results and conclusions regarding the usage of these materials for the completion of projects in the Qurayyat Governorate.
Surveying and Setting out the historical market in Dumat Al-Jandal (08-04-1444H)	<p>The historical market site of the city of Dumat al-Jandal in the Al-Jawf region has been documented and identified by a group of Department of Civil Engineering faculty members and students.</p> <p>Initiative outcomes:</p> <ul style="list-style-type: none"> • Determine the market's exact position on the ground. • A cadastral representation of the storied Dumat al-Jandal market is being developed. • In accordance with the requirements of the Heritage Authority, it is putting into place two information panels on the site that offer images and facts about the ancient market. • It simulates an old commercial market. • They are offering a virtual reality connection to the famed Dumat al-Jandal market. • The initiative's contribution to scientific research.
A training Course entitled "Project Management" for employees of government agencies in Al Jouf region(16-04-1444H)	<p>A training Course entitled "Project Management" was presented to employees of government agencies in the region on the occasion of International Project Management Day.</p> <p>Number of beneficiaries: 18</p> <p>Date: November 2, 2022</p>

*including timing of implementation, number of participants, and outcomes.

Comment on community partnership activities**

- More than 50% of faculty members in the program participated in implementation of community activities.
- 88 % of graduation projects at the Civil Engineering Department that address the community and labor market needs.
- All faculty members in the program participated at least one time in the community events such as (National Day, Foundation Day,...etc)
- 70.29 % of the beneficiaries of the community services provided by the civil engineering program are satisfied with the items of the survey. The overall weighted average is 3.51, which means that the grade of employer satisfaction is "High".
- It is recommended to provide several ways for establish communication channels with research /industrial/educational/ training / professional development sector for collaboration agreements.

**including overall evaluation of the program's performance in these activities (if any).



6. Other Evaluation (if any)

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

Evaluation method: <u>Staff Evaluation of Program Quality</u>	Date: February 2023	Number of Participants: 12
Summary of Evaluator Review	Program Response	
Strengths: <ul style="list-style-type: none"> Faculty members follow the Code of Conduct for ethical research, teaching, performance evaluation, and administrative and service activities. Faculty members provide guidance and contribute to the evaluation of advance planning processes to provide resources, services, and materials needed to support teaching and learning, such as reference books. 	-----	
Points for Improvements: <ul style="list-style-type: none"> Faculty member may be involved in the community services that can evaluate through promotion of the faculty members. Research facilities may be increased to publish in high-ranking journals for research. Training courses should provide for the faculty members to ensure the effective use of computer hardware and software appropriate in the field of teaching and assessment of students. 	<ul style="list-style-type: none"> Contribute to the community services: Promotion of the faculty members based on their performance and evaluates. Increasing the availability of resources, equipment for the research. Hold training programs on modern and advanced technology in the field of education. 	
Suggestions for development: <ul style="list-style-type: none"> Research facilities may be increased to publish in high-ranking journals for research. 	<ul style="list-style-type: none"> Increasing the availability of resources, equipment for the research. 	

**[Report on Staff Evaluation of Program Quality](#)*

Evaluation method: <u>Alumni Evaluation of Program Quality</u>	Date: December 2022	Number of Participants: 9
Summary of Evaluator Review	Program Response	
Strengths: <ul style="list-style-type: none"> The alumni are being notified by the program with various training and 	-----	





<p>employment prospects, as well as being invited to a significant event at the college.</p> <ul style="list-style-type: none"> Alumni focus significant emphasis on the importance of acquiring problem-solving abilities, personality skills, and communication skills during their course of study. Alumni have the capacity to acquire and employ novel material as required, employing suitable approaches for effective learning. 	
<p>Points for Improvements:</p> <ul style="list-style-type: none"> Explain project management strategies to Civil Engineering professionals. Enhance the graduates' skills through training. 	<ul style="list-style-type: none"> Educate students on project management methods and give them training on some essential sectors that will be helpful on the job. Arrange workshops for Alumni
<p>Suggestions for development:</p> <ul style="list-style-type: none"> Enhance the graduates' skills through training. 	<ul style="list-style-type: none"> Arrange workshops for Alumni

*Report on Alumni Evaluation of Program Quality

<p>Evaluation method: <u>Employer Evaluation of Program Quality</u></p>	<p>Date: April 2023</p>	<p>Number of Participants: 15</p>
Summary of Evaluator Review	Program Response	
<p>Strengths:</p> <ul style="list-style-type: none"> The alumni have capacity for successful communication with a variety of audiences. 	-----	
<p>Points for Improvements:</p> <ul style="list-style-type: none"> Encourage employment authorities to establish a connection between training and graduation projects. Communicate with employers and get their feedbacks. 	<ul style="list-style-type: none"> Increase student awareness to professional responsibilities during oriented workshops. Meetings with the employing authorities 	
<p>Suggestions for development:</p> <ul style="list-style-type: none"> Communicate with employers and get their feedbacks. 	<ul style="list-style-type: none"> Meetings with the employing authorities. 	

*Report on Employer Evaluation of Program Quality



C. Program Key Performance Indicators (KPIs)

Including the key performance indicators required by the NCAAA.

No	KPI	Targeted Value	Actual Value	Internal Benchmark	Analysis	New Target
1	Percentage of achieved indicators of the program operational plan objectives.	70%	76%	87%	Follow up Report on the Operational Plan (Attached)	70%
2	Students' Evaluation of quality of learning experience in the program	4.20	4.2	4.23	KPI Analysis Report (Attached)	4.25
3	Students' evaluation of the quality of the courses.	4.4	4.46	4.47		4.4
4	Completion rate.	70%	82%	64%		70%
5	First-year students retention rate	96%	100%	100%		100%
6	Students' performance in the professional and/or national examinations.	-	-	-		-
7	Graduates' employability and enrolment in postgraduate programs.	50%	48%	69%		50%
		5%	0%	0%		2%
8	Average number of students in the class.	12	5.2	4.5		12
9	Employers' evaluation of the program graduates proficiency.	4.1	3.99	4.25		4.1
10	Students' satisfaction with the offered services.	4.1	4.17	4.6	KPI Analysis Report (Attached)	4.2
11	Ratio of students to teaching staff.	12:1	5	2.5	KPI Analysis Report (Attached)	12
12	Percentage of teaching staff distribution.	Assist. P:70 % Assoc. P: 20 % Prof.: 10	Assist. P:93 % Assoc. P: 7 % Prof.: 0 %	Assist. P:77 % Assoc. P: 23 % Prof.: 0 %		Assist. P:70 % Assoc. P: 20 % Prof.: 10 %





No	KPI	Targeted Value	Actual Value	Internal Benchmark	Analysis	New Target
		%				
13	Proportion of teaching staff leaving the program.	0%	0%	4%		0%
14	Percentage of publications of faculty members.	90%	93%	100%		90%
15	Rate of published research per faculty member.	3.8:1	9	10.6		4
16	Citations rate in refereed journals per faculty member.	10:1	10.66	11.9		12
17	Satisfaction of beneficiaries with the learning resources.	4.4	4.2	4.46		4.3
18	Number of research groups in the program	4	2	5	KPI Analysis Report (Attached)	3
19	The number of funded research projects that the program's faculties obtain annually	5	7	0		5
20	Percentage of students participating in extra-curricular activities	45%	46%	24%		50%
21	Employers' satisfaction with the program's mission, vision and goals	4.20	4.63	3.82		4.3
22	Percentage of students' graduation projects related to the surrounding community	80%	89%	100%		80%



Comments on the Program KPIs and Benchmarks results:

Twenty-two KPIs have been measured and six KPIs have not achieved the target. Action plans are set to improve the rest of KPIs in the next years.

Strengths:

- 1) The student survey is regularly conducted and feedback is used for course and program improvement.
- 2) The Civil Engineering program provides sufficient number of full-time teaching staff to the students.
- 3) The rate of scientific publishing is increasing through the last three years as the university offered many subsidized project and scientific research groups.
- 4) The Civil Engineering department made serious efforts to create awareness among the stakeholders on the vision, mission & values and it has been carried out through:
 - Handbooks, prospectus, college homepage.
 - Display in LCD screens, posting in the college social networking site, student forum etc.
 - Faculty board, department meeting minutes are quoted with “vision, mission & values”.
 - Quotes in faculty lectures.

Areas for Improvement:

- 1) Following up the offered job opportunities to inform our alumni with it and keep in contact with them.
- 2) Although Students and Faculty members show a good level of satisfaction with the learning resources, but we need to organize more workshops to students/staff to be aware of the advantages of libraries.
- 3) There is a need to increase the proportion of Associate and Full Professors in the Department of Civil Engineering.
- 4) Data regarding students enrolled in higher studies and data regarding students not seeking employment were not available. Steps need to be taken to ensure that such data is carefully collected every year.
- 5) Setting up a post-graduate program at the Department.

Priorities for Improvement:

- 1) There is a need to increase the proportion of Associate and Full Professors in the Department of Civil Engineering.
- 2) Sustain communicate with the program alumni to give them training and involve them in the events and activities, explore their views, and benefit from their expertise and support.

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

Teaching	<ul style="list-style-type: none"> • Difficulty in the recruitment of lab technicians.
Assessment	<ul style="list-style-type: none"> • Difficulty in obtaining the required data to assess some important KPIs (KPI-P-06: Students' performance in the professional and/or national examinations). • Difficulty to obtain the external benchmark for the KPIs values at time.
Guidance and counseling	<ul style="list-style-type: none"> • Difficulty in Introducing students to the services provided by the Human Resources Development Fund in the professional context and linking them to the Fund's programs for training and employment support, through establishing an office for the Human Resources Development Fund at the headquarters of the Deanship of Student Affairs for education and vocational guidance. • Irregularity in the lists of students assigned to the academic advisors from one semester to another or from one academic year to another, which affects the process of academic advising.
Learning Resources	<ul style="list-style-type: none"> • Difficulty of regular maintenance for lab devices. • Lack of skilled lab technicians. • Long process to procure Software for Labs.
Faculty	None
Research Activities	Faculty members' schedules are almost filled with administrative duties and teaching courses, which leaves little time for research, which makes it challenging.
Others	None

E. Program development Plan

No.	Priorities for Improvement	Actions	Action Responsibility
1	Increase the number of senior-level faculty as associate professors and professors in the program.	1. Follow up the developed plan to recruit senior-level faculty members with the Vice Presidency for Graduate Studies and Scientific Research 2. Encourage the current faculty members who are eligible for the promotion to Associate Professor Rank	Program Management
2	Recruit qualified technical staff to maintain the equipment and laboratories, and to conduct the experiments of the program's study plan.	Follow up the developed plan to recruit permanent qualified technical staff with the Deanship of Human resources	Program Management
3	Increase number of partnerships with Government / Private sectors in order to provide opportunities for graduation projects and training locations for students and for research projects.	Propose and activate partnerships with Government / Private sectors for training and research in the field of civil engineering.	Program Management Community service Committee Scientific Committee
4	Get data in order to assess some unavailable KPIs (KPI-P-06: Students' performance in the professional and/or national examinations) that cover the program activities and procure at time the external benchmark for the KPIs values.	Contact the officials in the university administration to obtain the required data.	Program Management Quality & CQI Committee
5	Improve communication with the program alumni and give them training and involve them in the events and activities, explore their views, and benefit from their expertise and support.	1. Continue to invite the Alumni during program events and arrange meetings with them. 2. Arrange training workshops for Alumni.	Alumni Committee



No.	Priorities for Improvement	Actions	Action Responsibility
6	Support student's knowledge with recent software in the field of civil engineering that will help employer in their practical skills.	Provide a training workshop regarding the important software in the field of civil engineering.	Training Committee
7	Continue to Improve student communication skills on technical writing and oral presentation earlier than senior year levels.	Provide workshops annually to the students on how to write engineering report and the use of communication technology.	Training Committee
8	Improve the problem-solving skills of students.	Train students to solve extra complex engineering problems within reasonable constraints using applicable and numerical tools during lectures especially for courses aligned with PLO1 (S1) & PLO2 (S2).	Course coordinators
9	Increase the number of research groups in the program.	Encourage staff members to improve collaboration in research activities	Scientific Committee
10	Organize conferences/seminars by the program.	Organize regularly the annual scientific day by the program.	Scientific Committee
11	Familiarize Students and staff with the digital libraries to take advantage of the benefits.	Organize a workshop about Saudi digital library for student/staff members to be aware of all advantages of it.	Training Committee

- Attach any unachieved improvement plans from previous report.
- The annual program report needs to be discussed in department council

F. Approval of Annual Program Report

COUNCIL / COMMITTEE	COUNCIL OF CIVIL ENGINEERING DEPARTMENT
REFERENCE NO.	MEETING MINUTES NO 7
DATE:	01-10-2023

