

# Program Operational Plan

MSc. in Construction Project Management

(2025-2026)

## Operational Plan for the Academic Program: MSc. Construction Project Management; Academic Year: 2024-2025

### The Concept of the Operational Plan for Academic Programs

The operational plan details steps and processes to achieve academic program objectives effectively. This plan includes the following:

- **Objectives:** The plan specifies the particular goals that the program aims to achieve.
- **Activities:** The plan outlines the activities and events that will be implemented to achieve the goals.
- **Timeline:** The plan establishes the timeline for carrying out the activities.
- **Responsibilities:** The plan identifies the individuals or teams responsible for implementing each activity.
- **Resources:** The plan specifies the financial and human resources required to implement the program.
- **Evaluation:** The plan describes how to assess the achievement of the program's objectives.

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### Academic Program Information

Program Details	
College	College of Engineering
Department	Department of Civil Engineering
Program	MSc. In Construction Project Management

The operational plan is essential for the effective execution of the academic program. Regularly drafting, reviewing, and updating it helps the university achieve program goals and enhance education quality

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### 1. Alignment of Program Goals with the Mission of the Program, College, and University

University Mission	College Mission	Program Mission	Main Directions	Program Goals
An invigorating academic setting that fosters knowledge creation and application, champions research and innovation, emphasizes societal responsibility, and advances sustainable development by maximizing our potential and resources.	To prepare a qualified engineering staff equipped with essential knowledge and skills in dealing with modern engineering technologies, in order to develop and improve our country's future plans	Providing Construction Project Management Graduates with high level of competence in academic excellence, modern technology and scientific research, and service to the community	Academic Excellence	1. To equip graduates with diverse knowledge and skills that makes them capable of coping with the complex environment of construction project management
			Academic Excellence; Community Partnership	2. To equip graduates for professional advancement, societal values, and leadership responsibility in their respective organizations
			Research, Innovation, and Entrepreneurship	3. To prepare graduates to pursue advanced degrees or seek professional certification in Construction Project Management or related field
			Community Partnership Soft Skills	4. To prepare graduates to actively participate in professional and scientific research activities of the region relevant to Construction Project Management

## Operational Plan for the Academic Program: MSc. Construction Project Management; Academic Year: 2024-2025

<b>Strategic CPM Goal No. 1</b>	To equip graduates with diverse knowledge and skills that makes them capable of coping with the complex environment of construction project management	Responsibility for Implementation: Department Council
<b>Description of Goals</b>	This strategic goal is related to produce trained and skilled graduates to improve graduate employability to authentic assessment activities, aligned with industry practices, standards and approaches. The primary focus is to fill the gaps between the perspectives of students, graduates, employers and higher education personnel to approach the overall higher education experience for heightened employability. The student believe to bolster graduate employability by promoting/supporting extra-curricular and co-curricular activities and skill development (technical and transferable) through work experience, internships and placements and other types of employability strategies. In addition, this strategic goal is related to progress towards academic excellence by providing adequate teaching-learning resources and conducive academic environment. The primary focus is to enhance quality of the academic system. It will include careful development of the curriculum at par with the standards of top national and international universities, providing tracks within the PG program by offering a range of elective subjects and aligning with community needs and industry requirements. The feedback of the stakeholders and independent reviewers should be taken to improve the curriculum. The student learning outcomes defined by NQF should be incorporated in the curriculum with well-defined process to measure, evaluate and improve. This goal will include meeting the academic criterion of national and international organizations and getting accreditation. To achieve this goal, it is important to recruit outstanding faculty and staff, maintain high faculty to student ratio, motivating the faculty and students for professional development. Ample resources are required to be provided for PG programs.	
<b>Expected Risks</b>	Inadequate financial resources ➤ Large number of faculty members may leave simultaneously ➤ Non-availability of specialized senior faculty for postgraduate programs ➤ Poor response of students in self-financing (tuition fee paid by students) programs	
<b>Risk Management Plan</b>	Proposal and persuasion for additional financial support from the University ✓ Proper advertisement and information circulation for recruitment of senior faculty members at the levels of Associate Professor and Professor ✓ Development of state-of-art facilities for postgraduate programs at par with the best national and international universities and motivating the students to register ✓ Prepare a faculty database for quick recruitment process	

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Strategic CPM Goal No. 1: To equip graduates with diverse knowledge and skills that makes them capable of coping with the complex environment of construction project management								
Sl. No	Key Performance Indicators	KPI Codes	Previous Performance Level	Target Performance Level	Current year Performance Level	Measurement Method/ Frequency	Responsibility For Measurement	Responsibility of the Review
1	Students' evaluation of the quality of learning experience in the program	KPI-PG-1	4.70	4.5		University experience survey / Annual	Program Quality Coordinators	Chairman and Quality Unit
2	Students' evaluation of the quality of the courses	KPI- PG-2	4.34	4.4		Data Analysis / Annual	Program Quality Coordinators	Chairman and Quality Unit
3	Students' evaluation of the quality of academic supervision	KPI-PG-3	4.66	4.2		Data Analysis / Annual	Program Quality Coordinators	Chairman and Quality Unit
4	Average time for students' graduation	KPI-PG-4	2years	2years		Data Analysis / Annual	Registrar	Chairman and Quality Unit
5	Rate of students dropping out of the program	KPI-PG-5	16.6%	0		Data Analysis / Annual	Registrar	Chairman and Quality Unit
6	Employers' evaluation of the program graduates' competency.	KPI-PG-6	4.50	4.3		Survey / Annual	Program Quality Coordinators	Chairman and Quality Unit
7	Students' satisfaction with services provided	KPI-PG-7	4.71	4.6		University experience survey / Annual	Program Quality Coordinators	Chairman and Quality Unit
8	Ratio of students to faculty members	KPI-PG-8	1.25	2.0		Survey / Annual	Statistical Unit	Chairman and Quality Unit
9	Proportion of students with nationality other than Saudi Arabia	NA	1	1		Data Analysis / Annual	Registrar	Chairman and Quality Unit

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<b>Strategic CPM Goal No. 2</b>	To equip graduates for professional advancement, societal values, and leadership responsibility in their respective organizations	Responsibility for Implementation: Department Council
<b>Description of Goals</b>	This strategic goal is related to monitor the progress towards meeting the community needs while ensuring that adequate resources are available. It seeks to contribute for a better quality of life for the stakeholders. A sustainable community resembles a living system in which human, natural and economic elements are interdependent and draw strength from each other. Potentially significant services like improved infrastructure, knowledge-based services, environmental technologies, improved management, continuing education and need based trainings shall be arranged to achieve this goal. Collaboration and benchmarking process can help in adopting processes to grow the performance and achieve the desired level of satisfaction in the areas of teaching-learning, administrative support and facility, research and community services.	
<b>Expected Risks</b>	<ul style="list-style-type: none"> <li>➤ Inadequate financial resources</li> <li>➤ Rapid changes in the industry development</li> <li>➤ Limited public and private investments in infrastructure and services</li> <li>➤ Poor responses from the identified peer universities</li> </ul>	
<b>Risk Management Plan</b>	<ul style="list-style-type: none"> <li>➤ Proposal and persuasion for additional financial support from the University</li> <li>➤ Expanded delivery and use of information technologies</li> <li>➤ Sustainable training activities centered around areas of technical significance</li> <li>➤ Adding value to private sectors by conducting continuous consultancy services</li> <li>➤ Developing, manufacturing, services, and technologies that reduce environmental burdens</li> <li>➤ Improved consultancy services</li> <li>➤ Dedicated teaching or non-teaching staff members for the assigned tasks</li> </ul>	

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Strategic CPM Goal No. 2: To equip graduates for professional advancement, societal values, and leadership responsibility in their respective organizations								
Sl. No	Key Performance Indicators	KPI Codes	Previous Performance Level	Target Performance Level	Current year Performance Level	Measurement Method / Frequency	Responsibility For Measurement	Responsibility of the Review
10	Number of conferences, seminars and training programs attended	NA	29	30		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs
11	Number of research or consultancy projects in which faculty members actively participate.	NA	12	13		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs
12	Number of events (competitions, conferences etc.) participated by the students	NA	05	06		Data Analysis / Annual	Chairman of the Program	Chairman and Quality Unit
13	Proportion of full-time teaching and other staff actively engaged in community service activities	NA	67%	100%		University experience survey / Annual	Community Service Unit	Chairman and Quality Unit
14	Proportion of faculty who reviewed research article and masters/PhD thesis	NA	100%	100%		Data Analysis / Annual	Research Unit	Chairman and Quality Unit
15	Percentage of students participated in community services	NA	60%	100%		Data Analysis / Annual	Community Service Unit	Chairman and Quality Unit



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<b>Strategic CPM Goal No. 3</b>	To prepare graduates to pursue advanced degrees or seek professional certification in Construction Project Management or related field	Responsibility for Implementation: Department Council
<b>Description of Goals</b>	To achieve the KKU's vision, this strategic goal creates international-standard research chairs, centers of excellence, research groups, and laboratories to encourage innovative research. Encourage researchers, recruit new research pioneers, and provide suitable research environment, including well-equipped laboratories, interdisciplinary and multidisciplinary teams, grants, and awards to improve research quality. Additionally, this goal is concerned with initiating cooperation with universities and industry, supporting postgraduate studies and embracing innovative ideas as well as pursue advanced degrees or seek professional certification in Construction Project Management or related field	
<b>Expected Risks</b>	<ul style="list-style-type: none"> <li>➤ Insufficiency of financial resources for labs</li> <li>➤ Rejection of research project fund applications</li> <li>➤ Low number of ISI publications</li> <li>➤ Failure to attract research pioneers</li> <li>➤ Poor retention of faculty</li> <li>➤ Excessive teaching and administrative work load</li> </ul>	
<b>Risk Management Plan</b>	<ul style="list-style-type: none"> <li>➤ Proposal and persuasion for additional financial support from the University</li> <li>➤ Apply for external funding from companies</li> <li>➤ Benefit from inscription in postgraduate studies, training and consultancy fees to support research</li> <li>➤ Propose attractive salaries for research pioneers</li> <li>➤ Prepare a database with different CVs of faculty and apply express (fast) recruitment procedure</li> <li>➤ Payment for extra hours for faculty</li> <li>➤ Incentives and remuneration for initiatives, administrative and research contributions</li> <li>➤ Supports and guidance to pursue the advanced degrees (PhD) and seek professional certification in Construction Project Management</li> </ul>	

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Strategic CPM Goal No. 3: To prepare graduates to pursue advanced degrees or seek professional certification in Construction Project Management or related field								
Sl. No	Key Performance Indicators	KPI Codes	Previous Performance Level	Target Performance Level	Current year Performance Level	Measurement Method / Frequency	Responsibility For Measurement	Responsibility of the Review
16	(a) Number of patents- innovative products, (b) Number of awards of excellence	KPI-PG-13	3	3		Data Analysis / Annual	Chairman of the Program	Chairman and Quality Unit
17	Membership in professional and scientific society	NA	77%	100%		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs
18	Percentage of faculty members obtaining professional training	NA	100%	100%		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs
19	Number of students obtaining professional certifications (e.g., PMP, Saudi Council of Engineers) before or within one year of graduation	NA	100%	100%		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs
20	Number of students attending or presenting at conferences, workshops, and professional seminars related to the field	NA	05	06		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs

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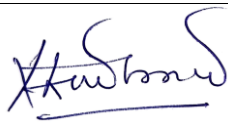
<b>Strategic CPM Goal No. 4</b>	To prepare graduates to actively participate in professional and scientific research activities of the region relevant to Construction Project Management	Responsibility for Implementation: Department Council
<b>Description of Goals</b>	This strategic goal is related to produce trained and skilled graduates to improve graduate employability to design assessment activities, aligned with industry practices, standards and approaches. The student learning outcomes defined by NQF explicitly articulate the relevant graduate employability skills in the learning outcomes for every subject, believe to bolster graduate employability by promoting/supporting extra-curricular and co-curricular activities and skill development (technical and transferable) through work experience, internships and placements and other types of employability strategies. To achieve this goal, the student should have transferable skills which are more important than the particular discipline of study for ensuring the employability. The feedback of the multiple stakeholders and reviewers should be given more importance to produce employable graduates with broad-based experience having ability to solve real life problems and sell their own personal identity, brand and profile. Graduates should be encouraged for lifelong learning to meet the expectations of employers. In addition, this goal also aims at improving the quality of research by encouraging researchers and attracting new research pioneers and providing adequate research environment including well-equipped laboratories, interdisciplinary and multidisciplinary teams, funds and awards.	
<b>Expected Risks</b>	<ul style="list-style-type: none"> <li>➤ Barriers to employment, such as gender, ethnicity and socio-economic background that may override employability strategies</li> <li>➤ Sudden change in required skills and demand in the job market</li> <li>➤ Insufficiency of financial resources</li> <li>➤ Low number of ISI publications</li> <li>➤ Failure to attract research pioneers</li> </ul>	
<b>Risk Management Plan</b>	<ul style="list-style-type: none"> <li>➤ Communication with employers and alumni to identify current needs and expectations from graduates</li> <li>➤ Special training and courses for students over and above the curriculum to meet desired employable skills</li> <li>➤ Motivation and soft skill development among graduates to meet unforeseen challenges</li> <li>➤ Proposal and persuasion for additional financial support from the University</li> <li>➤ Apply for external funding from companies</li> <li>➤ Benefit from inscription in postgraduate studies, training and consultancy fees to support research</li> <li>➤ Motivate and engage in actively participate in professional and scientific activities</li> </ul>	

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Strategic CPM Goal No. 4: To prepare graduates to actively participate in professional and scientific research activities of the region relevant to Construction Project Management								
Sl. No	Key Performance Indicators	KPI Codes	Previous Performance Level	Target Performance Level	Current year Performance Level	Measurement Method / Frequency	Responsibility For Measurement	Responsibility of the Review
21	Proportion of graduation projects related to region relevant to Construction Project Management	NA	100%	100%		Data Analysis / Annual	Chairman of the Program	Vice Dean for Academic Affairs/Chairman
22	Participation in conferences, seminars and training programs	NA	29	30		Data Analysis / Annual	Research Unit	Vice Dean for Academic Affairs/Chairman
23	Percentage of publications of faculty members	KPI-PG-9	100%	100%		Data Analysis / Annual	Research Unit	Chairman
24	Rate of published research per faculty member	KPI-PG-10	10	12		Data Analysis / Annual	Research Unit	Chairman
25	Citations rate in refereed journals per faculty member	KPI-PG-11	332	300		Data Analysis / Annual	Research Unit	Chairman
26	a) Percentage of students who published their research in refereed journals. b) Percentage of students who published their research in conferences	KPI-PG-12	30% 30%	50% 50%		Data Analysis / Annual	Research Unit	Chairman
27	a) Number of patents- innovative products. b) Number of awards of excellence	KPI-PG-13	5	5		Data Analysis / Annual	Chairman of the Program	Vice Dean for Academic Affairs/Chairman

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Approval

Position	Name	Signature
Chairman	Dr. Meshel Qablan Alkahtani	
Quality Coordinator	Dr Mohd. Ahmed	

Council / Committee	Department Council Meeting
Reference No.	NO. 1/47-1-18
Date	27-08-2025