



جامعة حائل
University of Ha'il
College Of Engineering

OPERATIONAL PLAN

2024/2025

31 October 2024

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EXECUTIVE SUMMARY

The present document complements the Strategic plan (2020-2025) for the College of Engineering and provides the operational plan for the academic year 2024/2025. Guided by its vision, mission and goals, the College sets its annual operational plan to ensure that the college's objectives are effectively implemented and achieved. This document introduces the set of initiatives and projects measured by performance indicators, steering the program towards the achievement of its goals. It outlines specific strategies encompassing educational enhancement, scholarly research, community engagement, social responsibility, and a dedicated focus on contributing to the economic prosperity of the Kingdom and the achievement of the Saudi Vision 2030 goals.

OPERATIONAL PLANNING TASKFORCE

- **Dr MOHAMED ALSHANAFI**, *Dean of the College*
- **Dr SERHANE ALSHAMMARI**, *Vice Dean of Academic Affaires*
- **Dr ABEER AL-BALAH**, *Vice Dean of Quality and Development*
- **Dr AHMED ALZAMIL**, *Vice Dean*
- **Pr. MOHAMED AICHOUNI**, *Faculty Member*
- **Pr. MABROUK TOUAHMIA**, *Faculty Member*
- **Pr. NAIM BENALI**, *Faculty Member*
- **Pr. KHALED ALKHIYAT**, *Faculty Member*

PART ONE: STRAETEGIC PLAN BASIC COMPONENTS

1.1 UNIVERSITY OF HAIL VISION AND MISSION



UoH Vision

Local and regional leadership in knowledge dissemination, research excellence, and sustainable community partnership

UoH Mission

Provide academic programs to prepare qualified graduates for the labor market and produce scientific research that serves the community by applying the highest quality standards and utilize the university's human and technical resources to reach the society of knowledge

1.2 COLLEGE OF ENGINEERING VISION AND MISSION



CoE VISION

The College of Engineering at the University of Hail aspires to be a leading college in the fields of engineering education, technological innovation, scientific research, transfer and application of knowledge locally and regionally, and preparing qualified engineers to work on improving the quality of society.



CoE MISSION

The College of Engineering at the University of Hail is committed to preparing, qualifying and training engineering competencies, and providing distinguished educational and research programs at the hands of qualified faculty members by providing training courses in the applied and engineering fields, providing a supportive environment for teaching, learning and practical research, and optimal employment of human, material and technological resources to meet Community needs.

<https://www.uoh.edu.sa/En/Pages/StrategicPlan.aspx#>
<https://www.uoh.edu.sa/En/Colleges/Engineering/Pages/default.aspx>

1.3 CoE STRATEGIC OBJECTIVES

The College of Engineering has set Five strategic objectives:

STRATEGIC OBJECTIVE #1

Focus Academic Programs (BSc, MSc and PhD) to address the goals of the Saudi Vision 2030 and the VRPs and the Requirements of Industry 4.0.



STRATEGIC OBJECTIVE #2

Elevate Investments in Faculty & Infrastructure

STRATEGIC OBJECTIVE #3

Enhance Scholarly World Class Research

STRATEGIC OBJECTIVE #4

Instill a culture of Quality, Excellence and Innovation in student experience at the College.

STRATEGIC OBJECTIVE #5

Foster Partnership with Community that Contributes in the Human Capital Development and Elevate Community Participation.

PART TWO: OPERATIONAL PLAN 2024/2025

2.1 GENERAL CONSIDERATIONS FOR THE OPERATIONAL PLAN

The strategic/operational plan implementation is articulated on the model presented in Figure (1) based on the process approach. The five strategic objectives are broken down into operational objectives and action plans or strategies with respective Performance Indicators.

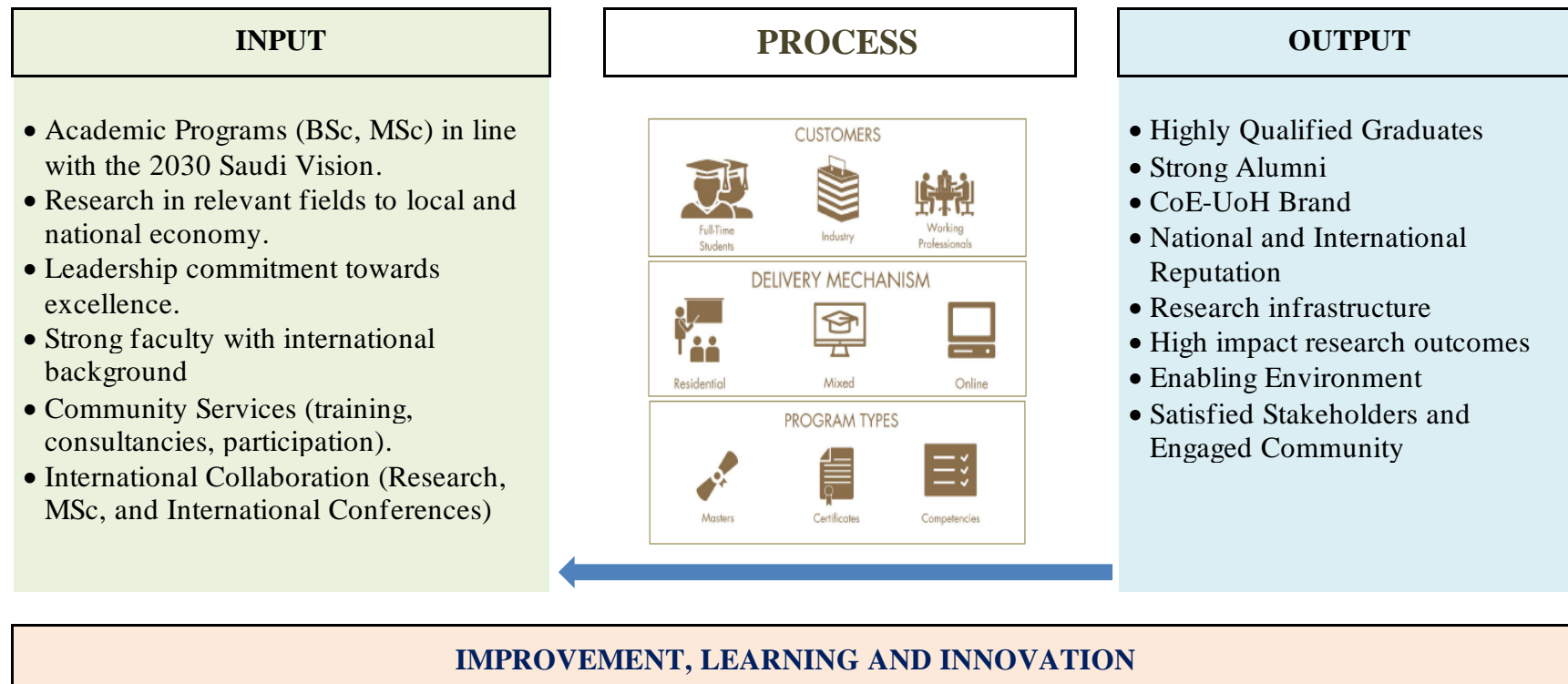


FIGURE 1. MODEL FOR UOH-COE STRATEGIC AND OPERATIONAL PLANING

2.2 OPERATIONAL PLAN 2024/2025

The following is a full description of all operational objectives and action plan projects that should be performed to achieve the strategic objectives within the perspective of the Saudi vision 2030. Performance Indicators are set to track performance. The operational plan serves to achieve the 5 strategic objectives through focusing on 14 operational objectives (Strategies) and 24 projects or actions; 10 projects are considered to be of major importance to the College (*). Version 2023 of the NCAA Institutional Key performance Indicators is adopted in the present version.

The operational plan is subject to regular revision and review according to new directions or immerging conditions.



STRATEGIC OBJECTIVE #1:
FOCUS ACADEMIC PROGRAMS (BSC, MSC AND PHD) TO ADDRESS THE GOALS OF THE SAUDI VISION 2030 AND THE VRPS AND REQUIREMENTS OF INDUSTRY 4.0.

	Operational Objective / Strategy	Projects / Initiatives	Implementation Responsibility		Period	Key Performance Indicators	Target
			Principal	Secondary			
1.1	Strengthening Academic Excellence through Accreditation for all offered programs at the bachelor's and master's Degrees	ABET Accreditation Project for Renewable Energies Program (*)	EE Department	Vice Dean of Quality and Development	Continuous	% of progress	Submission of the SSR And all required documents
		NCAAA Accreditation project for all Master programs (QEM, IHS, FEM) (*)	Departments (ISE, ARE)	Vice Dean of Quality and Development	Continuous	% of programs accredited (KPI-I-20)	100%
		NCAAA Accrediation for the IDE Program	Department IDE	Vice Dean of Quality and Development	Continuous	Percentage of Progress	Full accreditation
1.2	Continuously improve the engineering programs to be in line with the 2030 Saudi Vision objectives and the requirements of Industry 4.0	Update programs curricula to address local needs within the perspectives of the Saudi Vision 2030 and Industry 4.0 technologies. (*)	Departments	Vice Dean of Academic Affairs College Council	Continuous	% of revised and improved programs	100%

1.3	Establish distinguished programs (BSc, Diploma, MSc and PhD) that enable Saudi organization to achieve the 2030 Vision goals.	Launching the industrial engineering program for females. (*)	ISE Department	Vice Dean of Academic Affairs	Aug. 2025	Number of hired female faculty. % of progress in allocated facility	02 Adequate space
		Follow up with the establishment of the bachelor's degree in architecture. (*)	ARE Department	Vice Dean of Quality and Development	Continuous	Final Approvals at the University level	Full approval
1.4	Continuously enhance students support through academic advising, improved Cooperative training and quality of campus life leading to increased student engagement, satisfaction and academic performance.	Improve students' performance in JAHIZIA Exam (*)	Department	Vice Dean of Quality and Development	Continuous	Students' performance Average % of students involved to total # of student nominated per department	50% 90%
		Review, improve and enhance students advising and cooperative training activities in the college	Department	Vice Dean of Academic Affairs	Continuous	Students Satisfaction rate (KPI-I-05)	80%
1.5	Continuously review and improve the strategies (1.1 to 1.4) with active participation of all stakeholders (Students, Alumni, Faculty, and Employers)	Conduct annual stakeholders surveys: <ul style="list-style-type: none"> • Students • Faculty • Alumni • Employers 	Department	CoE Quality Unit	End of 2 nd Semester	Stakeholders' Survey Response Rate Stakeholders Satisfaction Score (KPI-I-05)	70% 4 out of 5

STRATEGIC OBJECTIVE #2: ELEVATE INVESTMENTS IN FACULTY AND INFRASTRUCTURE

	Operational Objective / Strategy	Projects / Initiatives	Implementation Responsibility		Period	Key Performance Indicators	Target
			Principal	Secondary			
2.1	Develop an infrastructure that provides effective support for the education of the 2030 engineer.	Update and maintain teaching and laboratory facilities with state-of-the-art equipment. (*)	Department	Infrastructure Committee	Continuous	Satisfaction of beneficiaries with learning resources (KPI-I-05)	80%
2.2	Build a community of a diverse group of faculty that will inspire, educate, and mentor future graduates so that they succeed in a diverse global professional environment.	Attract and recruit faculty with strong engineering background.	Department	Recruitment Committee	Continuous	Faculty with strong engineering background (Average Google Scholar h index)	Average Google Scholar h index = 10
		Establish motivation to retain distinguished faculty members.	Department	Recruitment Committee	Continuous	Proportion of teaching staff leaving the College (KPI-I-10).	90% (10%)
2.3	Continuously improve the College's website to foster the visibility of the college on the web	Update departments and college website.	Website Committee		End of 1 st semester	Percentage of Departments / Faculty with	100% 70%

	and Invest in Black Board to achieve full use to deliver teaching, supervising, and training activities.	Faculty webpages updates (with teaching, research and community services)	Faculty member		End of 1 st semester	updated websites. Stakeholder Satisfaction rate with Webpage Information.	4 out of 5
		Finalize the College Dashboard. (*)	Dean		End of 1 st semester	Completion Percentage of Dashboard Development.	100%
						Percentage of Decision-Making Meetings Utilizing Dashboard Data	50%
2.4	Promote engagement, respect and civility among all community stakeholders and integrate them into College governance in a meaningful manner.	Celebrate and reward Achievements (Academic, Scientific, research, community, etc ...) for students and faculty (*)	Dean	Department Chairmen	Continuous	Increase in Participation (students and faculty) in Recognized Activities.	10% increase of previous year.

STRATEGIC OBJECTIVE #3: SCHOLARLY WORLD CLASS RESEARCH

	Operational Objective / Strategy	Projects / Initiatives	Implementation Responsibility		Period	Key Performance Indicators	Target
			Principal	Secondary			
3.1	Foster increased faculty participation in scholarly research and creative endeavors with an emphasis on collaboration and scholarly outcomes.	Develop focused research and attract fund from internal and external bodies (UoH, MoE, DRIA, RDO, KACST, SASO, etc...).	Department	Vice Dean	Continuous	Number of Internal and Externally funded research projects. Percentage of self income of the institution (KPI-I-11)	
		Promote, encourage and reward scholarly research outcomes by faculty and students.	Department	Vice Dean	Continuous	Number of Research publications in recognized scientific databases and Citations. (KPI-I-13, 14 & 15)	

3.2	Enhance previous College experience in organizing International Conferences with the collaboration of leading national and international organizations (SASO, SQC, ASQ, IEEE).	Follow up with the organization of the 2025 Global Conference on Sustainable Energy & Net-Zero Emissions SENZE2025, 28-29 October (*)	Dean	Vice Dean	Continuous	Percentage of Milestones Achieved for Conference Organization (Speaker's confirmation, participants registration) according to plan. Number of Industry Partnerships and Sponsorships Secured. Conference Final Report Printed and website	100% of organization milestones. 5 big businesses (such as ARAMCO, SABIC, MAADEN, etc..) Printed Report

STRATEGIC OBJECTIVE #4: INSTILL A CULTURE OF QUALITY, EXCELLENCE AND INNOVATION IN STUDENT EXPERIENCE AT THE COLLEGE

	Operational Objective / Strategy	Projects / Initiatives	Implementation Responsibility		Period	Key Performance Indicators	Target
			Principal	Secondary			
4.1	Provide Knowledge, Skills and Abilities through Engineering Clubs (Engineering Innovation Club, ASQ Branch, IEEE Branch, Departments Clubs) for students to attain success and obtain international awards in various students competitions.	Encourage and motivate individual talent initiatives among students through active faculty support	Engineering Clubs	Departments / Deanship	Continuous	Participation in National and International Competitions.	At least 1 award achieved per department
		Conduct extracurricular activities to develop critical thinking, innovation, entrepreneurship and leadership skills for students during engineering world days.	Engineering Clubs Committee of Students Activities	Departments	Continuous	Number of events, seminars, workshops organized. Student Participation Rate in Extracurricular Activities. Satisfaction Rate of Participants	10 Engineering Events 50% 4.5 out of 5

STRATEGIC OBJECTIVE #5: FOSTER PARTENERSHIP WITH COMMUNITY THAT CONTRIBUTES IN THE HUMAN CAPITAL DEVELOPMENT AND ELEVATE COMMUNITY PARTICIPATION

	Operational Objective / Strategy	Projects / Initiatives	Implementation Responsibility		Period	Key Performance Indicators	Target
			Principal	Secondary			
5.1	Capability Building and Human Capital Development in areas related to the Saudi Vision 2030 and Industry 4.0 for local businesses and community.	Organization of the Annual Engineering Forum for Building Community Partnerships (*)	Dean	Vice Deans	Week 12, Semester 2	Number of Industry and Community Partners in Attendance. Participant Satisfaction rate with Forum Content and Networking Opportunities.	15 participants 4.5 out of 5
		Develop sound training programs in relevant engineering areas for all stakeholders.	Department	Deanship	Continuous	Number of programs offered. Training Program Participation Rate by Stakeholder	15 programs 30% for each group

College of Engineering, University of Hail.

END OF OPERATIONAL PLAN