



CE STRATEGIC PLAN 01

DEAN'S STATEMENT



Welcome to the College of Engineering at the Prince Sultan University (PSU). The College of Engineering at PSU has the vision to be the College of Engineering aspires to be the leading engineering college in the Middle East. PSU is striving for educational excellence in technology in engineering with its renowned cooperative work experiences.

The College of Engineering crafted a dynamic strategic plan designed to deliver quality programs that reflect excellence and leadership in higher education in Saudi Arabia and the region. The College of Engineering at PSU consists of five undergraduate programs; Construction Engineering Management, Production and Manufacturing Engineering Management, Communications and Networks Engineering, Electrical Engineering, and Civil and Environmental Engineering. The College has established recently the Master in Engineering Management program. The College of Engineering graduates qualified and competent engineers for the local, regional and international job markets.

The College of Engineering has a strong cooperative (co-op) training program where the senior level student attends a comprehensive training program in the leading industrial company for a period of seven month.

Whether you are a prospective student, current student, alumni or practicing engineer

please take an opportunity to explore the College of Engineering webpage. You will have a better understanding of the undergraduate engineering degrees are offered. The College of Engineering are led by faculty who are passionate and committed toward about teaching, research and innovation.

The College of Engineering is working closely with the Research and Initiative Center which support commercialization of applied research by bridging the gap between the industry market, community and academia. The Research and Initiative Center established business incubators and business entrepreneurship centers. Awareness programs on investments and entrepreneurship for university's students is provided; freelance and business entrepreneurial culture will be cultivated. This Entrepreneurship unit work to offer the required entrepreneurial support to PSU students and alumni to recognize and groom their entrepreneurial potentials.

The College of Engineering success is predicated on the success of our graduates. We invite interested students to be part of the future with us.

Sincerely,

Dr. Abdulhakim A. Almajid
Dean, College of Engineering



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COLLEGE OF ENGINEERING

VISION

The College of Engineering aspires to be the leading engineering college in the Middle East.

MISSION

The College of Engineering aims to provide engineering students with quality education in accordance with international standards, conduct high-impact scientific research, and commit to contribute to the sustainable development of society.



**STRATEGIC
THEME**

1



EDUCATIONAL EXCELLENCE



Goal 1

ACHIEVE EXCELLENCE IN ENGINEERING EDUCATION

OBJECTIVES

1. To recruit and retain high potential engineering faculty specialized in key areas

KPI: Faculty Ratio with Doctoral Qualifications



2. To enhance the multidisciplinary initiatives among stakeholders

KPI: Proportion of courses offered by each college with multidisciplinary components



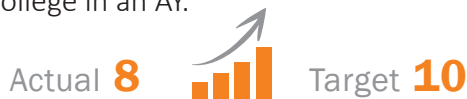
3. To nurture and sustain a culture that supports and strengthens teaching and learning excellence

KPI: Students' Evaluation of quality of learning experience in the program



4. To broaden the curricula to keep engineering college at the cutting edge of teaching and learning

KPI: Number of curricula advancement initiatives in a program. (e.g. new courses introduced, programs, minors, and any general curriculum updates) in each college in an AY.





Goal 2

EXPAND STUDENT PARTICIPATION IN EXTRACURRICULAR AND CO-CURRICULAR ACTIVITIES

OBJECTIVES

1. To provide co-curricular and extra-curricular student activities within the academic programs

KPI: Number of extracurricular activities offered to students by a college.



2. To exploit national and international opportunities and experiences for students

KPI: The number of student participants in national and international educational opportunities



3. To enhance students' experiential and life-long learning skills



STRATEGIC
THEME

2



MANAGEMENT, GOVERNANCE AND QUALITY ASSURANCE



CE

جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY



REVIEW VISIT

Architecture Program
Communications and Networks Engineering Program
Construction Engineering Management Program



2

MANAGEMENT, GOVERNANCE AND QUALITY ASSURANCE

Goal 1

SUSTAIN ENGINEERING COLLEGE ALIGNMENT
TO NATIONAL AND INTERNATIONAL QUALITY
STANDARDS OF ENGINEERING EDUCATION

OBJECTIVES

1. To implement, monitor and sustain continuous improvement recommendations and quality assurance measures.

KPI: Percentage of APR action plan recommendation items completed.



2. To acquire ABET accreditation

KPI: Percentage of Programs that pass ABET accreditation.





**STRATEGIC
THEME**

3



PROFESSIONAL DEVELOPMENT



Goal 1

PROVIDE OPPORTUNITIES FOR GROWTH OF ENGINEERING FACULTY

OBJECTIVES

1. To encourage faculty to have membership in professional societies and obtain credentials aligned with their programs.

2. To promote professional growth for educational excellence

KPI: Proportion of teaching staff who meet the minimum institutional requirements of 10 hours PD.





**STRATEGIC
THEME**

4



OUTREACH, MARKETING AND PARTNERSHIPS



Goal 1

CREATE PARTNERSHIPS WITH ACADEMIA, INDUSTRY,
AND GOVERNMENT FOR TRAINING AND RESEARCH

OBJECTIVES

1. To increase faculty and student involvement in community service events and programs

KPI: Proportion of full time teaching and other staff actively engaged in community service activities.



2. To expand community services

KPI: Satisfaction of beneficiaries with the community services.





Goal 2

PROMOTE COLLEGE OF ENGINEERING NATIONALLY AND INTERNATIONALLY

OBJECTIVES

1. To enhance CE image nationally, regionally and internationally

KPI: Number of participants in engineering conferences.



2. To promote all CE programs

KPI: Number of national/international competitions participated by engineering college faculty and students.



3. To enhance relationships and agreements with stakeholders



**STRATEGIC
THEME**

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WIDE-RANGING TECHNOLOGIES AND EXPANDING RESOURCES AND FACILITIES





WIDE-RANGING TECHNOLOGIES AND EXPANDING RESOURCES AND FACILITIES

Goal 1

EXPAND AND IMPROVE ENGINEERING COLLEGE
INFRASTRUCTURE THROUGH EMPLOYING STATE OF THE
ART TECHNOLOGIES

OBJECTIVES

1. To acquire technologies for expanding educational experiences

KPI: Stakeholder evaluation of technology-based learning and teaching
platforms out of 5 for e-learning services





**STRATEGIC
THEME**

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ECONOMIC SUSTAINABILITY



Goal 1

SUPPORT LONG-TERM ECONOMIC GROWTH WHILE
CONSERVING SOCIAL, ENVIRONMENTAL, AND CULTURAL
ASPECTS OF THE COMMUNITY

OBJECTIVES

1. To promote income of CE programs through research grants, continuing education, endowments and donations.

KPI: Amount of annual income from research grants, continuing education, endowments and donations.

Actual **0SAR**  Target **100,000SAR**





**STRATEGIC
THEME**

7



**RESEARCH
AND
INITIATIVES**

Goal 1

ESTABLISH ENGINEERING RESEARCH LABS WITH UP-TO-
DATE EQUIPMENT

OBJECTIVES

1. To establish focused engineering research labs

KPI: Number of publications per lab per year







WIDE-RANGING TECHNOLOGIES AND EXPANDING RESOURCES AND FACILITIES

Goal 2

BOOST QUALITY SCALES OF THE ENGINEERING RESEARCH

OBJECTIVES

1. To increase the quantity and enhance the quality of research

KPI: The total number of scopus and ISI publications per annum.



2. To encourage collaborative publications with distinguished national and international entities

KPI: Proportion of external national collaborative research publications



3. To support faculty research exchange visits, conference participation and research sabbatical leaves

KPI: Number of papers or reports presented at academic conferences by full time equivalent faculty members







WIDE-RANGING TECHNOLOGIES AND EXPANDING RESOURCES AND FACILITIES

Goal 3

UTILIZING RESEARCH REVENUES TO CONTRIBUTE TO
THE FINANCIAL DEVELOPMENT OF PRINCE SULTAN
UNIVERSITY

OBJECTIVES

1. To promote engineering undergraduates and postgraduate research activities

KPI: Number of joint researches with students (minimum one per year at the college level).



2. To contribute to the Saudi Arabia Vision 2030 through PSU research activities

KPI: Proportion of research or consultation projects aligned with Vision 2030

