Majmaah University

College of Engineering

The Operational Plan of College of Engineering

The operational plan of College of Engineering

2016\2017

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Goal 1: Building of competition capabilities of students according to the market needs and knowledge society.

Sub-Goals (1): Improving the internal and external efficiency levels of colleges

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Expand the acceptance opportunities in undergraduate programs	First meeting for the dean of the college of engineering with college's faculty and students	Students' enrollment rate in the college (Total, Net, New)			4	4			وحدة الجداول والاختبارات واكالة الجامعة للشؤون التعليمية
	Receiving high schools' students by the ministry of education	Students' enrollment rate in the college (Total, Net, New)			5	6			
	Conducting training sessions after Asr prayer for college's students in various specialties	Students' enrollment rate in the college (Total, Net, New)			6	6			
	Introductory Lecture the university rules and regulations	Students' enrollment rate in the college (Total, Net, New)			7	7			
	Orientation day for new students at the college of engineering	Students' enrollment rate in the college (Total, Net, New)			3	3			
	Elections and formation of the college of engineering students advisory board	Students' enrollment rate in the college (Total, Net, New)			7	7			
	First Midterm Timetables	Satisfaction level of beneficiaries - students, graduates, employers and employment parties for a quality took system			7	9			
	Second Midterm Timetables	Satisfaction level of beneficiaries - students, graduates, employers and employment parties for a quality took system			12	14			

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	Labs final Timetables	Satisfaction level of beneficiaries - students, graduates, employers and employment parties for a quality took system			15	15				
	Final Exams Timetables	Satisfaction level of beneficiaries - students, graduates, employers and employment parties for a quality took system			16	18				
Improving the overall satisfaction rate of students for courses	Analysis the surveys (Programs, experience and course) results and writing recommendations and action plan	Improving the overall satisfaction rate of students for courses			6	7				Plan and Study Program Unit/VD of Academic affairs
	Analysis the programs course reports and writing recommendations and action plan	Improving the overall satisfaction rate of students for courses			7	8				
Twins Program										Twins Committee/ VD of Academic affairs
Development of study plans	Writing an operational plan for program development	General students' assessment of courses quality			0	4				Plan and Study Program Unit/VD of Academic Affairs
	following the updating development process through the implementation of operational plan	General students' assessment of courses quality			0				12	
	A workshop "how to development our study plans"	General students' assessment of courses quality			10	11				
	preparing documents for submission to the voce-rectorate of academic affairs after approval by department and college councils.	General students' assessment of courses quality						13	14	

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Initiative	Activity	Performance Indicators	Actual	Target	Semester 1 Week From	Week To	Semester 2 Week From	Week To	The entity responsible
Development of faculty and students' skills in the field of e-learning	Weekly workshops for the students who registered for e-learning courses	General students' assessment of courses quality			1	3	1	3	Distance learning and E-learning Unit/ VD of Academic affairs
	D2L Workshops for faculty members.	General students' assessment of courses quality			4	13	4	13	
Applying pioneering programs in the use of e-courses and D2L	Advanced workshops for the students who registered for e-learning courses	General students' assessment of courses quality			9	11	9	11	Distance learning and E-learning Unit/ VD of Academic affairs

Sub–Goals (2): Restructuring scientific disciplines according to market and society needs

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1 Week From	Week To	Semester 2 Week From	Week To	The entity responsible
Restructuring some disciplines according to the needs of local and national community	Studying the courses that can be reconstructed according to the needs of local and national community and writing a proposal	- Percentage of disciplines that have been restructured and improved to the number of programs those need to be restructured			11	12			- Plan and Study Program Unit/VD of Academic affairs - Scientific Departments
	Considering the chosen courses in the study plan development	- Percentage of disciplines that have been restructured and improved to the number of programs those need to be restructured					6	7	
Organizing a career day	Organizing Career Day	Number of graduates attended the Career Day comparing to total graduated			8	10	9	11	Alumni Unit/ VD of Academic affairs
Create Alumni Databases (dB's)	Update Graduated students (dB1)	Number of graduates participated positivity in filling			2	4	2	5	Alumni Unit/ VD of

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		the questionnaire						Academic affairs
	Update Expected graduates (dB2)	Number of the stock holders participated positivity in filling the questionnaires			2	5	5	7	
	Companies and work places (dB3)	Ability to define the society and labor market needs			7	9	6	8	
	Job opportunities (dB4)	Number of graduates got jobs, based on the introduced opportunities, comparing to the total number announced opportunities.			8	10	7	9	
Study the needs of local and national community	Distribute and assessment of a questionnaire to the graduates	Number of graduates participated positivity in filling the questionnaire			8	10	9	11	Alumni Unit/ VD of Academic affairs
	Distribute and assessment of a questionnaire to stock holders	Number of the stock holders participated positivity in filling the questionnaires			9	11	8	10	
	Assessment and Evaluation of feedback from Graduates and Stock holders	Ability to define the society and labor market needs			12	13	12	13	

Sub-Goals (3): Providing students with job skills and Entrepreneurship

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Implementation of programs for entrepreneurship and student innovation projects	Preparing the posters and brochures for all the annual programs	Number of initiatives and annual programs for the acquisition of student employment skills and entrepreneurship			1	3	1	3	Student's Support Unit/VD of Academic Affairs /VD of

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	Providing students about rules and regulations in each annual programs	Number of initiatives and annual programs for the acquisition of student employment skills and entrepreneurship			4	7	4	7	Academic Affairs
	Announcement for annual and international exhibitions	Number of initiatives and annual programs for the acquisition of student employment skills and entrepreneurship			8	10	7	8	
	Collecting participant posters in the annual exhibition	Number of initiatives and annual programs for the acquisition of student employment skills and entrepreneurship			–	–	8	9	
	Reviewing the posters and reports for each student	Number of initiatives and annual programs for the acquisition of student employment skills and entrepreneurship					10	11	
	Annual Exhibition of scientific research for engineering students	Number of initiatives and annual programs for the acquisition of student employment skills and entrepreneurship			–	–	12	12	

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Providing training opportunities for students	Orientation seminar for the students who will take the summer training.	Number of training opportunities have been introduced to students comparing to the total number of students got trained.				–	–	3	–	Summer Training Committee\VD of Academic Affairs
	Preparing the training letters.	Number of training opportunities have been introduced to students comparing to the total number of students got trained.				–	–	4	7	
	Collecting the acceptance forms	Number of training opportunities have been introduced to students comparing to the total number of students got trained.				–	–	8	10	
	Handing out the progress and final reports to the students	Number of training opportunities have been introduced to students comparing to the total number of students got trained.				–	–	12	13	
Development of summer training skills	Receiving the training forms, reports and documents from the students	Number of training opportunities have been introduced to students comparing to the total number of students got trained.			2					Summer Training Committee\VD of Academic Affairs
	Reviewing the training forms, reports and documents for each	Number of training opportunities have been			3	–	–			

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					Semester 1			
	student	introduced to students comparing to the total number of students got trained.						
	Completing the incomplete documents	Number of training opportunities have been introduced to students comparing to the total number of students got trained.			4	4	–	–
	Final presentation and students 'evaluation	Number of training opportunities have been introduced to students comparing to the total number of students got trained.			5	5	–	–
Improving the work opportunities in engineering education	Create a community-based partnership with the community to facilitate employment of graduate	Percentage of graduate students that received jobs to the overall number of graduate students'.			7	10	5	8	Alumni Unit/VD of Academic Affairs

Sub-Goals (4): Improvement of academic advising system

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Activating the role of Student Counseling in College	Supervising and following up the academic advising process in the first week	Students evaluation for Academic and professional advising			1	1	1	1	Student's Support Unit/VD of

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Initiative	Activity	Performance Indicators							The entity responsible
	Workshop on Academic Advising "The importance of Academic Advising"	Students evaluation for Academic and professional advising			2	3	2	3	Academic Affairs
	Preparing advising brochures and announcement s for students, inform students about regulations and guidelines and Proposing a template and appealing procedure	Students evaluation for Academic and professional advising			4	5	4	5	

Sub-Goals (5): Diversifying the sources of learning

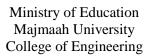| Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Developing strategies and teaching methods	Displaying Schedule of Quality Review and Evaluation System	Satisfaction level of quality units' performance in the college			1	2	1	2	Quality Assurance Unit/VD of Quality and Development
Development of students' evaluation system	Monitoring the reports of Task Completion of each Committee	Satisfaction rate of leaders and faculty members about quality system			13	14	13	14	Assessment and Evaluation Unit/VD of Quality and

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									Development
Development of faculty members' skills in the areas of measurement and evaluation	Workshop on "The importance of CLO Vs SLO"	Level of students' satisfaction with teaching strategies, learning and assessment.				11	12		Assessment and Evaluation Unit/VD of Quality and Development
	Workshop on "How to prepare a good Exam"	Level of students' satisfaction with teaching strategies, learning and assessment.						10	11	Assessment and Evaluation Unit/VD of Quality and Development

Sub-Goals (6): Moving up to students' activities and services levels

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Providing quality support services for students	Scientific trip for college of engineering students to Riyadh	Percentage of students participated in activities to the total number of student			6	6			Students' Affairs Committee/V

	metro station								D of Academic Affairs
	A lecture titled "The effect of personal relations"	Level of students' satisfaction with services provided by College			8	8			
	A scientific trip for civil and environmental engineering department's students to Sudair City for Industry and Businesses	Percentage of students participated in activities to the total number of student			11	11			
	A scientific trip for civil and environmental engineering department's students to the asphalt manufacturing station at Sudair City for Industry and Businesses	Percentage of students participated in activities to the total number of student			13	13			
	A scientific trip for mechanical and industrial engineering department's students to water treatment station in Majmaah	Percentage of students participated in activities to the total number of student			13	13			
	A scientific trip electrical engineering department's students to electricity station in Jalajil	Percentage of students participated in activities to the total number of student			14	14			
	Students activities' sport day for college of engineering students to Alfaisaly club	Percentage of students participated in activities to the total number of student			11	11			
	Scientific trips to SABIC in eastern region and to ARAMCO in Al	Percentage of students participated in activities to the					3	4	

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	Kharj	total number of student							
	Engineering's day and the 7th student's research Exhibition	Percentage of students participated in activities to the total number of student					3	4	

Goal 2: Upgrading the skills and capabilities of academic and administrative staff.

Sub-Goals (1): Attracting various personnel of faculty members and maintain

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Improving the appropriate of faculty member's disciplines with courses and administrative work									College Deanship and Vice-Deanships
Improving the academic job rates of Saudi citizens									College Deanship and Vice-Deanships

Sub-Goals (2): Improvement of the professional development system for faculty members

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1	Semester 2	The entity responsible

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					Week From	Week To	Week From	Week To	
The sustainability of professional development for faculty members	Workshop on "Preparing Course Specifications and Course Reports"	Percentage of faculty members participated in professional development activities over the past year			10	11			Quality Assurance Unit/VD of Quality and Development
	Workshop on "Better understanding of CLO's and SLO's"	Percentage of faculty members participated in professional development activities over the past year					7	8	Quality Assurance Unit/VD of Quality and Development
	To Encourage Faculty by e-mail to participate in the training courses offered by the Deanship of Quality and Development	Percentage of faculty members participated in professional development activities over the past year			1	10	1	10	Training Unit/VD of Quality and Development

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	Workshop by Training Unit/VD of Quality and Development	Percentage of faculty members participated in professional development activities over the past year					4	5	Training Unit/VD of Quality and Development
Reviewing and raising evaluation and development plans of academic programs at the college	Displaying Schedule of Quality Review and Evaluation System	Satisfaction level of quality units' performance in the college			1	2	1	2	Quality Assurance Unit/VD of Quality and Development

Sub-Goals (3): Improve the performance of employees and develop their skills

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
The sustainable of professional development for employees									College Deanship

Goal 3: - Development of institutional performance and management system

Sub-Goals (1): Renewing the organizational structures of college units and completing its administrative construction

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Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Development of the Organizational Restructuring									College Deanship and Vice-Deanships

Goal 5: - Meet the quality requirements and preparing for institutional and program accreditations

Sub-Goals (1): Development of quality Assurance system in accordance with a Systematic Model

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Activation of committees of quality academic programs	Monitoring the reports of Task Completion of each Committee	Satisfaction rate of leaders and faculty members about quality system			13	14	13	14	Quality Assurance Unit/VD of Quality and development
Activating authentication system	Continue establishing, rearranging equipping, DAU center	The effectiveness of Archiving center in saving documents and evidence and the way of their documenting and organizing	50%	100%	4	14			Documentation and Archiving Unit/VD of Quality and Developmen

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Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
	Documents, forms, regulations, quality files and data collecting, indexing, and archiving	The effectiveness of Archiving center in saving documents and evidence and the way of their documenting and organizing	30%	85%	4	15	1	15	t Affairs

Sub-Goals (2): Preparing educational programs for accreditation

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Periodic evaluation of academic programs of the college	Periodic Internal Review of Quality work of all the Programs	Number of academic programs that accredited by ABET			3	4	3	4	Quality Assurance Unit/VD of Quality and Development
Quality Assurance of the reports and specifications of programs and courses	Periodical review of the reports and specifications	Percentage of courses that evaluated by students during the year			3	4	3	4	Quality Assurance Unit/VD of Quality and Development

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Quality Assurance of learning outcomes for academic programs	Examine the Programs' and courses Reports on SLOs and CLOs based on Direct and Indirect assessments	Number of academic programs that accredited by ABET			2	3	2	3	Quality Assurance Unit/VD of Quality and development
Activation of the independent evaluation of academic programs	Writing a proposal for independent evaluation of Engineering programs	Number of academic programs that accredited by ABET	0	3			2	4	Academic Accreditation Unit/VD of Quality and Development
	Evaluate all engineering programs independently	Number of academic programs that accredited by ABET	0	3			12	14	
Activation of the advisory boards of all educational programs	Providing the quality vice–deanship with minutes of meeting	Percentage of advisory boards activation for academic programs	3	3	14	15	14	15	Scientific Programs
Performance Indicators measurement and benchmarking for Academic Programs	KPIs and benchmarking						10	12	Training Unit/VD of Quality and Development
Quality assurance of courses File	Check consistencies with approved course portfolio	Number of academic programs that accredited by ABET			1	2	–	–	Quality Assurance Unit/VD of Quality and
	Internal Review	Number of academic programs that accredited by ABET			3	4	3	4	

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Initiative	Activity	Performance Indicators				8			The entity responsible
						development			
To be accredited by ABET	Preparing Programs for accreditation (Writing PSSRs)	– Number of academic programs that accredited by ABET	0	3	0	8			Academic Accreditation Unit/VD of Quality and Development
	Submitting the PSSRs to the quality vice deanship	– Number of academic programs that accredited by ABET	0	3	7	8			
	Registration for ABET accreditation	– Number of academic programs that accredited by ABET	0	3	7	8			
	Reviewing PSSRs by internal, national and international reviewers.	– Number of academic programs that accredited by ABET	0	3	8	9			
	Submitting PSSRs for Accreditation	– Number of academic programs that accredited by ABET	0	3	8	9			
	Preparing final SSRs to be submitted to ABERT before 1\7\2016	– Number of academic programs that accredited by ABET	0	3			14	15	
	Submitting PSSRs for Accreditation	– Number of academic programs that accredited by ABET	0	3			15	16	

Sub-Goals (3): Distribution of quality institutional education for University members

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Preparation and implementation of training programs, workshops and seminars in the field of quality and	Preparing a list of the available training courses and workshops in the University	Percentage of faculty members that trained in quality areas					2	4	Training Unit/VD of Quality and

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Initiative	Activity	Performance Indicators							The entity responsible
academic accreditation									Development
	Workshop on "Preparing ABET PSSR for Accreditation"	Percentage of faculty members that trained in quality areas				13	14		Academic Accreditation Unit/VD of Quality and Development
	Presentation on "The preparations to be made for the on-site visit of ABET Accreditation team"	Percentage of faculty members that trained in quality areas						5 6	Academic Accreditation Unit/VD of Quality and Development
Preparation for the University Director Excellence Award	Studying the director excellence award requirements	Rate of faculty members that participated in quality events and activities in the college				7	8		VD of Quality and Development
	Forming a committee for nomination	Rate of faculty members that participated in quality events and activities in the college				11	12		

Goal 6: Upgrading the quality value of scientific research and innovation regarding development priorities.

Sub-Goals (1): Improvement quality and quantity of scientific research

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1	Semester 2	The entity responsible

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					Week From	Week To	Week From	Week To	
Focusing on applied research in the fields of engineering	Identifying publications related to applied research during the past 5 years	Average of reviewed papers published in Scientific and technological fields			1	17	1	17	VD of Scientific Research
	Encouraging the faculty to focus on applied research	Average of reviewed papers published in Scientific and technological fields			1	17	1	17	
Development of a program to improve the scientific productivity	Developing research units in each department	Number of publications in reviewed scientific journals in the past year to the overall number of full-time faculty members			1	17	1	17	VD of Scientific Research
Faculty members to submit proposal in funded research, locally and internationally	Preparing a booklist about the main national and international research fund	Percentage full-time faculty members that published at least one paper in the past year.			1	17	1	17	VD of Scientific research

Sub-Goals (2): Discovering and nurturing talented and support innovation and patents

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1	Semester 2	The entity responsible

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					Week From	Week To	Week From	Week From	
Developing the awareness of students and faculty members to intellectual property rights and registration procedures	Providing guidance and support for innovative patent submission	3Number of innovations registered by faculty members.			1	17	1	17	VD of Scientific research Students' Support Unit/VD of Academic Affairs
	Identification of potential innovative research works for submission of patents	Patents Rate			1	17	1	17	
	Faculty members motivate the students to perform innovative senior design projects	Patents Rate			1	17	1	17	
Annual exhibition of scientific research and engineering day	Forming a special committee to prepare and organize the exhibition	Number of students' research			11	12			College Deanship and Vice-Deanships

Sub-Goals (3): Directing the scientific research by development priorities and environmental researchers

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	

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Support and motivate Multi-disciplinary research projects	encouraging faculty members to participate in Multi-disciplinary research projects	The number of joint research projects with community organizations			1	17	1	17	VD of Scientific research
Direct support towards the development of research	Making recommendations to focus on environmental-oriented research	Percentage of environment articles to the total number of annual articles			1	17	1	17	VD of Scientific research
Organizing a scientific conference	Preparing the call for papers: title, scopes, organizing and scientific committees, date and place	Number of research participated			11	12			Conference Scientific Organizing Committee
	Collecting and reviewing process	Rate of accepted scientific research					14	15	
	Preparing the onsite conference	Rate of accepted scientific research			2017\2018				

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Sub-Goals (4): Reviewing of the scientific research and publication and enhancing its ethics

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Organizing some courses for faculty members about the local and international publishing	Organizing lectures on Ethical aspects in publishing	1-Level of satisfaction of faculty members about transparency and fairness of scientific research practice							VD of Scientific Research
The development of evidence, scientific research and publishing in college	Providing ethical guidelines for the faculty	2- The availability of regulatory guides of scientific research ethics rules and its regulations							VD of Scientific research
Creating awareness among faculty members with regard to ethical aspects related to publication.	Organizing some lectures for faculty members about ethical aspects related publication.	1-Level of satisfaction of faculty members about transparency and fairness of scientific research practice 2- The availability of regulatory guides of scientific research ethics rules and its regulations			1	17	1	17	VD of Scientific research

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Sub-Goals (5): Improvement of research centers and chairs in the university

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Stimulate the participation of faculty members in research chairs	Survey the potential chairs existing in the universities of the kingdom	Number of proposals submitted by faculty members			1	17	1	17	VD of Scientific Research
	Identifying potential research chairs for our university	Number of proposals submitted by faculty members			1	17	1	17	

Sub-Goals (6): The diversity of scientific research sources

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	

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					Semester 1		Semester 2		
Motivate of faculty members to participate and submit funded scientific research by the University, the Kingdom and international	Encouraging faculty and providing information of fun resources to apply for funded research projects	Number of projects funded by external research resources.			1	17	1	17	VD of Scientific Research

Goal 7: Strengthening the responsibility and community participation

Sub-Goals (1): Improving of continuous educational programs in the light of the society needs

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week From	
The implementation of programs of continuing education by the needs of the community									VD of Academic Affairs
The introduction of new continuing education programs									VD of Academic Affairs
Creating a continuous short engineering programs	Collecting data from the society about the most needed programs	Number of participants from the community in these programs					1	–	Community service Committee

Sub-Goals (2): Activation of social partnership with non-profit and government and private sectors.

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Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	**Week To**	**Week From**	**Week To**	
Providing engineering and technical consulting	Collecting data from the society about the most needed fields of study	Number of consulting and services submitted to the local community and business sector			1	16	–	–	Community Service Committee
	Determining the engineering services with which the college can serve the community.	Number of consulting and services submitted to the local community and business sector					1	16	
Organizing workshops, courses, and lectures engineering community	Invite leaders from the non-profit and governmental organizations to share their experience in serving the society	Number of annual programs of partnership and cooperation with society and private sectors			–	–	3	–	Community Service Committee
Achievement memoranda of understanding aimed at community service									Community Service Committee

Sub-Goals (3): Promote a culture of volunteering for students and university members

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Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week From	
Accomplish volunteer activities for students and faculty members	Invite leaders from the non-profit and governmental organizations to share their experience in serving the society	Number of educational programs presented to the total number of departments			1	16	1	16	– Community Service Committee – Deanship
	Offering our participations to some of the non-profit organizations	Number of educational programs presented to the total number of departments			–	–	1	16	

Sub-Goals (4): Improving of continuous educational programs in the light of the society needs

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Organizing of a student award in volunteer work									Community Service Committee \ Deanship

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Sub–Goals (5): Merging the sustainable development of educational programs and research projects

Initiative	Activity	Performance Indicators	Actual	Target	Semester 1		Semester 2		The entity responsible
					Week From	Week To	Week From	Week To	
Developing academic programs regarding sustainable development issues	Studying the courses that can be developed regarding sustainable development issues	The proportion of courses in academic programs concerned with sustainable development issues			11	12			Plan and Study Program Unit/VD of Academic Affairs
	Considering the chosen courses in the study plan development	The proportion of courses in academic programs concerned with sustainable development issues					6	7	
Developing interaction with sustainable development issues	Collecting data from the society about the most complex technical and engineering problems they	Number of problems offered from the community to the college					1	16	– Community Service Committee

– Deanship		are facing							
		Encourage faculty to include in the topics of their courses real case studies from society and explore ways for improvements	Number of real case studies to the total number of departments			1	16		