

Annual Plan for the Academic Year 2025/2026

Department of Renewable Energy Engineering

Faculty of Engineering and Technology

Department Vision

Excellence in providing educational services, scientific research, innovation, and community service in the field of Renewable Energy Engineering.

Department Mission

- Preparing academically and practically qualified graduates in Renewable Energy Engineering who are capable of competing in the labor market.
- Focusing on scientific research and innovation in renewable energy fields aimed at community development.
- Continuous development of study plans and curricula in line with local and regional market requirements.

Strategic Objectives of the Department

The Department of Renewable Energy Engineering focuses on achieving objectives derived from the strategic plan of the Faculty of Engineering and Technology (2022–2027), as follows:

- Developing teaching and learning methods and expanding the use of e-learning platforms.
- Promoting entrepreneurship and innovation among students.
- Enhancing scientific research in Renewable Energy Engineering.
- Strengthening academic cooperation with local and international institutions.

Executive Program of the Department

Based on the strategic goals of the Department of Renewable Energy Engineering and the initiatives in the Faculty's strategic plan, the following Executive Program table has been established:

Strategic Goals	Executive Tasks	Execution Timeline (Every 3 months)				Implementing Entity
		12_9	3_12	6_3	9_6	
Developing and expanding teaching and learning technologies using e-learning platforms and employing them in an academic manner, including achieving benefits and innovations.	Monitoring, developing, and updating laboratories, experiments, and equipment					Dr. Nabil Mousa, Lab Supervisor
	Updating experiments and writing scientific material for laboratories					Dr. Nabil Mousa, Lab Supervisor
	Updating scientific material, linking it to the practical side, and developing it to suit modern science, technology, and labor market needs					Faculty Members
	Updating the teaching mechanism to include encouraging students to interact with the instructor, opening dialogue, creating discussion groups, and showing scientific videos					Faculty Members
	Continuous academic advising and periodic follow-up of students with "Acceptable" (Pass) GPAs					Faculty Members
	Introducing specialized software and experiments into courses					Faculty Members
	Developing faculty members' skills by attending various specialized courses					Faculty Members
	Developing faculty members' skills in e-learning and using electronic platforms by attending relevant courses					Faculty Members
Focus on scientific research and promote research in renewable energy engineering.	Developing and increasing the number of research papers published in international journals with high impact factors, aligning topics with national, local, and specialized priorities					Faculty Members

	Activating the role of research groups , involving the largest possible number of faculty members, and motivating work with other departments and local/global universities				Faculty Members
Focusing on leadership and innovation , and encouraging students to propose ideas that enable them to excel in their field.	Conducting periodic meetings with department students to propose and discuss their creative ideas/aspirations and contribute to their implementation				Faculty Members
	Encouraging students to create distinguished graduation projects with entrepreneurial ideas				Faculty Members
	Encouraging distinguished project students to nominate themselves for local and international competitions				Faculty Members
Enhancing opportunities for cooperation and academic exchange with international universities and attracting students at the local and regional levels.	Applying for internationally and globally supported scientific research projects				Faculty Members
	Participating in conferences and seminars in various fields				Faculty Members
	Continuous development of study plans and programs to align with labor market needs				Faculty Members
	Conducting periodic meetings with department students to discuss problems and attempt to find solutions				Head of Department
	Field visits to renewable and alternative energy projects in the Kingdom				Faculty Members
	Proceeding with procedures for the department to obtain Qualification Placement accreditation				Faculty Members
	Visiting a number of local community schools and delivering lectures on renewable energy				Faculty Members

Performance Indicators, Completion Rates, and Targets

Based on the Executive Program, measurement indicators (KPIs), target limits, and completion rates for executive tasks have been established as follows:

Strategic Goals	Executive Tasks	Performance Indicators	Target Limit / Completion Rate
Developing and expanding teaching and learning methods by using e-learning platforms and integrating them into the academic process in a way that aligns with changes and developments.	Monitoring, developing, and updating laboratories...	Number of devices in labs	Labs fully updated with necessary/required devices
	Updating experiments and writing scientific material.	Number of experiments	Increase of 4 experiments for the Solar Energy Lab
	Updating scientific material and linking it to practical side.	Number of scientific materials to be updated	At least three materials (courses)
	Updating teaching mechanism.	Number of scientific materials to be updated	At least two materials (courses)
	Continuous academic advising...	Student grade average	All students
	Updating student assessment methods focusing on communication, analysis, and design skills	Student grade average	10% improvement over last year
	Introducing specialized software and experiments...	Number of software and experiments	At least two materials (courses)
	Developing faculty skills (specialized courses)	Number of courses	At least 3 courses
	Developing faculty skills (e-learning)	Number of courses	At least one course
Focus on scientific research and promote research in renewable energy engineering.	Developing and increasing research published in high impact factor journals...	Number of published researches per faculty member	At least one research paper per faculty member
	Activating research groups.	Number of research groups	At least one group

<p>Focusing on leadership and innovation, and encouraging students to propose ideas that enable them to excel in their field.</p>	Conducting periodic meetings with students regarding creative ideas.	Number of meetings	At least two
	Encouraging students for distinguished graduation projects.	Number of published researches	At least one
	Encouraging students to nominate for competitions	Nomination for competitions	At least one
<p>Enhancing opportunities for cooperation and academic exchange with international universities and attracting students at the local and regional levels.</p>	Applying for internationally supported research projects	Number of projects applied for	At least one
	Participating in conferences and seminars	Number of conferences /seminars	At least two
	Continuous development of plans/programs	Number of scientific materials to be updated	At least three materials
	Periodic meetings with students (problems/solutions)	Number of meetings	At least two
	Field visits to renewable energy projects	Number of visits	At least one
	Procedures for Qualification Placement accreditation	Preparation of Final Accreditation Report	100%
	Visiting schools and lecturing on renewable energy	Number of visits	At least one

Head of the Department of Renewable Energy Engineering

Dr. Nabil Wanas Mousa