

Key Performance Indicators (KPIs-POs) for Evaluating Program Objectives (Goals) of Electrical Engineering Program



1. Objectives of Electrical Engineering Program:

- Objective 1.** Serve competently in the professional career and academia by demonstrating high-quality knowledge and skills in the Electrical Engineering field.
- Objective 2.** Display self-learning, research, and critical thinking capability and take initiative in advancing their education and professional standing.
- Objective 3.** Function as a team member with the capability for leadership and effective communication.
- Objective 4.** Exhibit commitment to social responsibilities, ethical values, and meaningful community contributions.

2. KPIs-POs of Electrical Engineering Program:

	KPI		Description	Measurement
	Objective 1. Serve competently in the professional career and academia by demonstrating high-quality knowledge and skills in the Electrical Engineering field.	KPI-PO-1.1		Students' evaluation of quality of learning in the program
KPI-PO-1.2			Students' evaluation of the quality of their courses	KPI-P-02 * 20 /100
KPI-PO-1.3			Completion rate	KPI-P-03
KPI-PO-1.4			First-year students retention rate	KPI-P-04
KPI-PO-1.5			Students' performance in professional and/or national examinations	KPI-P-05
KPI-PO-1.6			Graduates' employability.	KPI-P-06-A
KPI-PO-1.7			Graduates' enrolment in postgraduate programs.	KPI-P-06-B / Target
KPI-PO-1.8			Employers' evaluation of program graduates' proficiency	KPI-P-07 *20 / 100
KPI-PO-1.9			Students' knowledge in basic sciences, mathematics, and electrical engineering concepts	Achievement level of PLO K1
KPI-PO-1.10			Students' skills in solving complex engineering problems, designing solutions that meet needs while considering various factors, conducting appropriate experiments, analyzing data, and drawing judicious conclusions	Average achievement level of PLOs S1, S2, and S3
KPI-PO-1 = (KPI-PO-1.1 + KPI-PO-1.2 + + KPI-PO-1.10)/10				

Objective 2. Display self-learning, research, and critical thinking capability and take initiative in advancing their education and professional standing.	KPI		Description	Measurement
	KPI-PO-2.1		Percentage of publications of faculty members.	KPI-P-09
	KPI-PO-2.2		Rate of published research per faculty member.	KPI-P-10 / Target
	KPI-PO-2.3		Citations rate in refereed journals per faculty member.	KPI-P-11 / Target
	KPI-PO-2.4		Students' ability to acquire and apply new knowledge as needed, using appropriate learning strategies	Achievement level of PLO V3
KPI-PO-2 = (KPI-PO-2.1 + KPI-PO-2.2 + KPI-PO-2.3 + KPI-PO-2.4)/4				

Objective 3. Function as a team member with the capability for leadership and effective communication.	KPI		Description	Measurement
	KPI-PO-3.1		Students' ability to communicate effectively with a range of audiences	Achievement Level of PLO S4
	KPI-PO-3.2		Students' ability to function effectively on a team whose members provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	Achievement Level of PLO V2
KPI-PO-3 = (KPI-PO-3.1 + KPI-PO-3.2)/2				

Objective 4. Exhibit commitment to social responsibilities, ethical values, and meaningful community contributions.	KPI		Description	Measurement
	KPI-PO-4.1		Students' ability to recognize ethical and professional responsibilities and make informed judgments considering the impact in various contexts	Achievement Level of PLO V1
	KPI-PO-4.2		Achievements in community contributions during the academic year	Achievement level of community contributions in operational plan
KPI-PO-4 = (KPI-PO-4.1 + KPI-PO-4.2)/2				

Signature of the EE-QAAC President and Members (30/08/2023)

	Name	Signature
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