

Response from Electrical Engineering Department regarding implementation of SDGs for the Impact Ranking

2/10/2024

Attachments: Minutes of 15th Meeting of Academic Council at Iqra National University

17.4.1	Education for SDGs commitment to meaningful education Have a commitment to meaningful education around the SDGs across the university, relevant and applicable to all students	All HoD's	Yes
	education integrated across full curriculum	All HoD's	Partly
	mandatory education for all	All HoD's	Yes
	optional education for all	All HoD's	No
17.4.2	Education for SDGs specific courses on sustainability Have dedicated courses (full degrees, or electives) that address sustainability and the SDGs.	All HoD's	In Final Year Design Projects

The educational programs at department of Electrical Engineering commit to meaningful education of SDGs. The final year design / capstone project is epitome of the implementation of engineering knowledge that our graduates attain during the course of their studies.

The department proposed incorporation of SGDs in the design projects of students in 15th board of studies and 15th board of faculty meetings, so that it can provide a meaningful impact of implementation of SGD and greater good of the human community.

The Academic Council of the Iqra national University approved the agenda in their 15th meeting, held on November 14, 2022, in Agenda No 4, section 2.4, and made the SDGs a compulsory part of the curriculum of our engineering program. Therefore, our students are now provided with a meaningful education regarding SDGs.

The following SDGs are selected for the implementation is FYDP of the Department of Electrical Engineering.

1. Goal 7: Affordable and Clean Energy.
2. Goal9: Industrial Innovation and Infrastructure.
3. Goal 11: Sustainable Cities & Communities.
4. Goal 12: Responsible Consumption and Production.
5. Goal 13: Climate Change.

17.4.4	Sustainable Literacy This question explores how you evaluate your students' ability to learn and retain key concepts of sustainability. For 2025 we will not score this question but will use it to inform our decisions for 2026. Measure the sustainability literacy of students.	All HoD's
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At department of electrical engineering, the outcome-based education system is being followed, as instructed by Pakistan Engineering Council. The evaluation is performed through a variety of assessment methods that include direct and indirect assessment. Rubric based assessment is performed through carefully designed and approved rubrics which provide a clear insight into the acquired ability of our students about their learning of SDGs. A carefully crafted quality enhancement process ensures the results of the assessment performed are utilized to improve the learning capabilities of our students. The CQI process is also presented in section 2.2 of the attached minutes of 15th Academic Council meeting.