

Mapping of Program Outcomes with Graduate Attributes

Graduate Attributes (GA)

S No	Graduate Attributes
1	Engineering Knowledge
2	Problem Analysis
3	Design/Development of Solution
4	Conduct investigations of complex problems
5	Modern tool usages
6	The engineer and society
7	Environment and Sustainability
8	Ethics
9	Individual and team work
10	Communication
11	Project Management and finance
12	Lifelong learning

Mapping of Program Outcomes with Graduate Attributes

Program Outcome		GA
a	An ability to apply knowledge of mathematics, science, and engineering	1
b	An ability to design and conduct experiments, as well as to analyze and interpret data	4
c	An ability to design a system, component, or process to meet desired Needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	3,7
d	An ability to function on multi-disciplinary teams	9
e	An ability to identify, formulates, and solves engineering problems	2
f	An understanding of professional and ethical responsibility	8
g	An ability to communicate effectively	10
h	The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	6,7
i	Recognition of the need for, and an ability to engage in life-long learning	12
j	A knowledge of contemporary issues	7
k	An ability to use the techniques, skills, and modern engineering tools necessary or engineering practice	5
l	An ability to work for the infrastructural development, to pursue teaching, research & development activities and to work effectively in a group	11