Program Learning Outcomes (PLO)

PLO	*PO Attribute*	*PLO/PO'S Statements*
PLO-1	Engineering Technology Knowledge	Apply Knowledge of mathematics, natural science, computing and engineering fundamentals and an engineering specialization as specified in SK1 to SK4 respectively to defined and applied engineering procedures, processes, systems, or methodologies.
PLO-2	Problem Analysis	Identify, formulate, research literature, and analyze broadly defined engineering problems reaching substantiated conclusions using analytical tools appropriate to the discipline or area of specialization.(SK1 to SK4)
PLO-3	Design/ Development of Solutions	Design solution for broadly defined engineering technology problems and contribute to the design of systems, components, or processes to meet identified needs with appropriate consideration for public health and safety, whole life cost, net zero carbon as well as resource, cultural, societal, and environmental considerations as required for (SK5).
PLO-4	Investigation	Conduct investigations of broadly defined engineering problems, locate, search and select relevant data from codes, data bases and literature, design and conduct experiments to provide valid conclusions (SK8).
PLO-5	Tool Usage	Select and apply, and recognize limitations of appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling, to broadly define engineering problems (SK2 and SK6).
PLO-6	The Technologist and Society	When solving broadly defined engineering problems , analyze and evaluate sustainable development impacts (represented by the (17 UN-SDGs) to : society, the economy, sustainability, health and safety, legal frameworks, and the environment (SK1 ,SK5 and SK7)
PLO-7	Environment and Sustainability	Understand and commit to professional ethics and norms of engineering technology practice including compliance with national and international laws. Demonstrate and understanding of the need for diversity and inclusion (K9)
PLO-8	Ethics	Graduates should engage in lifelong learning that will enable them to continue their professional development either through advanced course work or continuing self-directed learning and development activities.
PLO-9	Individual and Team Work	Graduates should engage in lifelong learning that will enable them to continue their professional development either through advanced course work or continuing self-directed learning and development activities.

PLO	*PO Attribute*	*PLO/PO'S Statements*
PLO-10	Communication	Graduates should have effectiveness to demonstrate solid BSc. Civil Engineering Technology knowledge through analysis, synthesis, design and entrepreneurial skills for the advancement in career or postgraduate studies.
PLO-11	Project Management	Graduates should exhibit professionalism in their work at individual level as well as a team member through effective communication and technical skills to achieve sustainable development goals in multidisciplinary engineering environment.
PLO-12	Lifelong Learning	Graduates should make contributions to knowledge and establish best engineering practice through research and development, as to assume positions of technical and/or managerial leadership as their careers develop.