PLOs/GAs

Program Learning Outcomes (PLOs) / Graduate Attributes (GAs):

Graduate Attributes (GAs) are defined by the National Computing Education Accreditation Council (NCEAC) with reference number **5-4/HEC/CURR/COMP/2023/4394** and are in alignment with the GAs laid down in the Seoul Accord document D.5 for computing professionals.

Moreover, GAs have also been approved by the BoS, BoF, and the academic council of the university.

PLO1 Academic Education: To prepare graduates as computing professionals.

PLO2 Knowledge for Solving Computing Problems: Apply knowledge of computing fundamentals, knowledge of a computing specialization, and mathematics, science, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

PLO3 Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PLO4 Design/ Development of Solutions: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

PLO5 Modern Tool Usage: Create, select, adapt, and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

PLO6 Individual and Teamwork: Function effectively as an individual and as a member or leader in diverse teams and in multi-disciplinary settings.

PLO7 Communication: Communicate effectively with the computing community and with society at large about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PLO8 Computing Professionalism and Society: Understand and assess societal, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

PLO9 Ethics: Understand and commit to professional ethics, responsibilities, and norms of professional computing practice.

PLO10 Life-long Learning: Recognize the need and have the ability to engage in independent learning for continual development as a computing professional.

Mapping of PLOs to PEOs:

Mapping of PLOs to PEOs

No.	Program Learning Outcomes (PLOs)	PEOs		
		PEO-1	PEO-2	PEO-3
1	Academic Education	✓	✓	
2	Knowledge for solving Computing Problems	✓		
3	Problem Analysis	✓		
4	Design/ Development of Solutions	✓		✓
5	Modern Tool Usage	✓	✓	
6	Individual and Teamwork		✓	✓
7	Communication			✓
8	Computing Professionalism and Society		✓	✓
9	Ethics		✓	
10	Life-long Learning			✓