DEPARTMENT OF INFORMATION TECHNOLOGY ENGINEERING

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PO1

Engineering knowledge: Apply the knowledge of mathematics, science, Engineering fundamentals, and compute engineering to the solution of engineering problems.

PO2

Problem analysis: Identify, formulate, review research literature, and analyze engineering problems reachin substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3

Design/development of solutions: Design solutions for engineering problems related to engineering and desig system components or processes that meet the specified needs with appropriate consideration for the public healt and safety, and the cultural, societal, and environmental considerations.

PO4

Conduct investigations of complex problems: Use research-based knowledge and research methods includin design of experiments, analysis and interpretation of data, and synthesis of the information to provide vali conclusions.

PO5

Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and I tools including prediction and modeling to complex engineering activities with an understanding of th limitations.

PO6

The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safet legal and cultural issues and the consequent responsibilities relevant to the engineering practice.

PO7

Environment and sustainability: Understand the impact of the professional engineering solutions in societal an environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of th engineering practice.

PO9

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, an in multidisciplinary settings.

PO10

Communication: Communicate effectively on complex engineering activities with the engineering community an with society at large, such as, being able to comprehend and write effective reports and design documentation make effective presentations, and give and receive clear instructions.

PO11

Project management and finance: Demonstrate knowledge and understanding of the engineering an management principles and apply these to one's own work, as a member and leader in a team, to manage project and in multidisciplinary environments.

PO12

Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life long learning in the broadest context of technological changes in Engineering.