Proposed PEOs and PSOs for DS and IT departments

PEOs for DATASCIENCE

**PEO1** Graduates will have solid basics in Mathematics, Programming, Machine Learning, Artificial Intelligence and Data Science fundamentals and advancements to solve technical problems.

**PEO2** Graduates will have the capability to apply their knowledge and skills acquired to solve the issues in real world Data Science sector and to develop feasible and viable systems.

**PEO3** Graduates will have the potential to participate in life-long learning through the successful completion of advanced degrees, continuing education, certifications and/or other professional developments.

**PEO4** Graduates will have the ability to apply the gained knowledge to improve the society ensuring ethical and moral values.

PSOs for DATASCIENCE

**PSO1**  Data Science graduates are able to become leaders in the Industry and Academia with the help of advanced knowledge and skill, which can empower them to analyse, design, develop and implement their learning to develop the society.

**PSO2** The ability to develop skills to address and solve social and environmental problem with ethics and perform multidisciplinary projects with advance technologies and tools.

**Department Vision:**

To create a first-class academic department that trains the next generations of students to become globally competant Data Scientists, Data Analysts and Researchers by providing total solution in social aspects.

**Department Mission:**

 M1.

To develop industry conducive environment by providing state-of-art infrastructure to compete in data-driven world.

M2.

To empower students to provide innovative and cognitive solutions with the help of data analytical skillset and new advancements in high performance computing in the field of data science.

M3.

To build data intensive system through socio-economic aspect by promoting cross-disciplinary thinking that expands expertise in cutting edge technologies and acquire professional ethics

**Department of IT**

PEOs for IT

The graduates of the programme are able to:

**PEO1:** Apply the knowledge of mathematics, science and engineering fundamentals to identify and solve IT and engineering problems.

**PEO2:** Use various software tools and technologies to solve problems related to Academia, industry and society.

**PEO3:** Work with ethical and moral values in the multi-disciplinary teams and can Communicate effectively among team members with continuous learning.

PEO4: Pursue higher studies and develop their career in IT industry.

PSOs for IT

**PSO1:** The ability to model and develop efficient algorithms and software applications as safe and secure Information Technology Solutions.

**PSO2:** The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur and a zest for higher studies/employability in the field of Information Technology

**Vision**

To produce innovative IT professionals who can develop globally competitive and socially useful information technology enabled solutions by providing leading technologies in Information Technology.

**Mission**

 M1.

The Department of Information Technology is dedicated to produce Software Engineers with basic knowledge in problem solving skills necessary for the career advancement in IT & allied disciplines.

M2.

Produce engineers with a strong practical and theoretical exposure in the relevant disciplines, who are able to contribute to society through innovation.

M3.

Produce engineers with teamwork, communication and interpersonal skill.