Course Title: Applied Machine Learning			
Course Code: NRE 182	**No. of credits:** 4	**L-T-P:** 30-15-30	**Learning hours:** 60
			L: Lectures**; T:** Tutorials**; P:** Practical
Pre-requisite Course Code and Title (if any):			
Department: Natural and Applied Sciences			
Course Coordinator: Dr. Priyanka Singh		**Course Instructors:** Dr. Priyanka Singh and Dr. Adwitiya Sinha	
Contact Details: priyanka.singh@terisas.ac.in			
Course Type: Elective		**Course Offered in:** Semester 3	

Course Description

The course bridges that gap by emphasizing applied, intuitive, and tool-based learning, with gradual exposure to coding (Python). The focus is on practical applications, conceptual understanding, and low-code/no-code tools, progressing gradually to basic coding with Python.

Course Objectives

- Understand the basic concepts of machine learning (ML) and data science
- Apply ML techniques to solve real-world problems in climate, environment, and resource management
- Use data visualization and basic analytics to inform policy and decision-making
- Work with real environmental datasets (e.g., climate data)
- Build and interpret simple ML models using no-code/low-code tools and Python