

SCHOOL OF COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE			DEPARTMENT OF COMPUTER SCIENCE ENGINEERING		
Program Name: B. Tech		Assignment Type: Lab		Academic Year: 2025-26	
Course Coordinator Name		Dr.Vairachilai Shenbagavel			
Instructor(s) Name		Srinivas Komakula			
Course Code	23CA201SE402	Course Title	Explainable AI (P)		
Year/Sem	III/V	Regulation	R24		
Date and Day of Assignment	21-08-2025	Time(s)	09:00AM -05:00PM		
Duration	2 Hours	Applicable to Batch	23CSBTB39		
Assignment Number: 02					
Q. No.	Question				Expected Time to complete
1	Assignment Problem 1: Employee Attrition Prediction				
<p>Problem Statement:</p> <p>HR dataset predicts employee attrition. LIME explains why employees leave.</p> <p>Tasks:</p> <ol style="list-style-type: none">Load datasetTrain Random ForestApply LIMEVisualize HR features <p>Deliverables:</p> <ul style="list-style-type: none">CodeOutputsHR report					
2	Assignment Problem 2 Loan Default Prediction				
<p>Problem Statement:</p> <p>Loan dataset predicts default. LIME explains financial risk classification.</p> <p>Tasks:</p> <ol style="list-style-type: none">Load datasetTrain Gradient BoostingApply LIME <p>Visualize results</p> <p>Deliverables:</p> <ul style="list-style-type: none">CodeOutputsReport					