

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)		
eYear/Sem	III/V	Regulation	R24		
Date and Day of Assignment	21-08-2025	Time(s)	09:00AM -05:00PM		
Duration	2 Hours	Applicable to Batches	23CSBTB34		
Assignment Number: 03					
Q. No.	Question				Expected Time to complete
1	Assignment Problem 1: Credit Risk Assessment				
<p>Problem Statement:</p> <p>German Credit dataset predicts loan risk. LIME explains classification decisions.</p> <p>Tasks:</p> <ol style="list-style-type: none">Load datasetTrain modelApply LIMEVisualize factorsWrite finance-focused report <p>Deliverables:</p> <ul style="list-style-type: none">CodeLIME outputsReport					
2	Assignment Problem 2: Student Performance Prediction				
<p>Problem Statement: Load dataset</p> <ol style="list-style-type: none">Train Random ForestApply LIMEVisualize features <p>Interpret results</p> <p>UCI dataset predicts pass/fail. LIME explains individual student outcomes.</p> <p>Deliverables:</p> <ul style="list-style-type: none">CodeOutputsReport					