

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 Batches	23CSBTB40	
Assignment Number: 03				
Q. No.	Question			Expected Time to complete
1	Assignment Problem 1: Stroke Prediction			
<p>Problem Statement:</p> <p>Stroke dataset predicts risk. LIME highlights contributing health factors.</p> <p>Tasks:</p> <ol style="list-style-type: none">Load datasetTrain Logistic RegressionExplain with LIMEVisualize results <p>Deliverables:</p> <ul style="list-style-type: none">CodeOutputsMedical report				
2	Assignment Problem 2: Parkinson’s Disease Detection			
<p>Problem Statement:</p> <p>Parkinson’s dataset predicts disease using voice features. LIME explains outputs.</p> <p>Tasks:</p> <ol style="list-style-type: none">Load datasetTrain Random ForestApply LIMEInterpret medical features <p>Deliverables:</p> <ul style="list-style-type: none">CodeOutputsReport				