

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	23CSBTB37		
Assignment Number: 01					
Q. No.	Question				Expected Time to complete
1	Assignment Problem 1: Sentiment Analysis (Text)				
<p>Problem Statement:</p> <p>IMDB reviews predict positive/negative. LIME shows important words.</p> <p>Tasks:</p> <ol style="list-style-type: none">1. Load dataset2. Train Logistic Regression3. Apply LIME Text4. Highlight words <p>Deliverables:</p> <ul style="list-style-type: none">• Code• Outputs• Report					
2	Assignment Problem 2: Fake News Detection				
<p>Problem Statement:</p> <p>Fake News dataset predicts fake vs real. LIME highlights suspicious words.</p> <p>Tasks:</p> <ol style="list-style-type: none">1. Load dataset2. Train Logistic Regression3. Apply LIME4. Visualize words <p>Deliverables:</p> <ul style="list-style-type: none">• Code• Outputs• Report					