

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	23CSBTB43
Assignment Number: 03			
1	Assignment Problem 1 Solar Power Production		
Problem Statement: Solar dataset predicts high/low production. LIME explains weather effects. Tasks: <ol style="list-style-type: none"> 1. Load dataset 2. Train Random Forest 3. Apply LIME 4. Interpret results Deliverables: <ul style="list-style-type: none"> • Code • Outputs • Report 			
2	Assignment Problem 2: Movie Recommendation		
Problem Statement: MovieLens dataset predicts like/dislike. LIME explains recommendation features. Tasks: <ol style="list-style-type: none"> 1. Load dataset 2. Train classifier 3. Apply LIME 4. Highlight contributions Deliverables: <ul style="list-style-type: none"> • Code • Outputs • Report 			