



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**  
(An Institute of National Importance)

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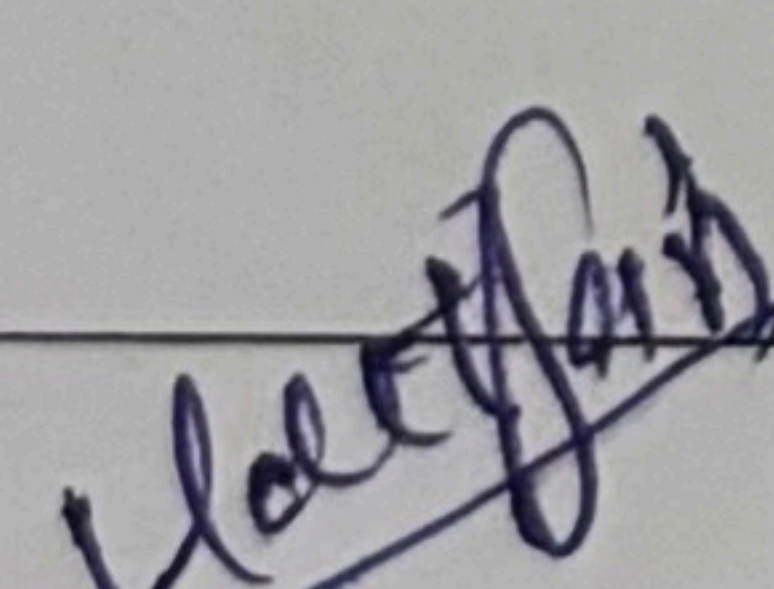
**M Tech Dissertation- Monthly Progress Report**

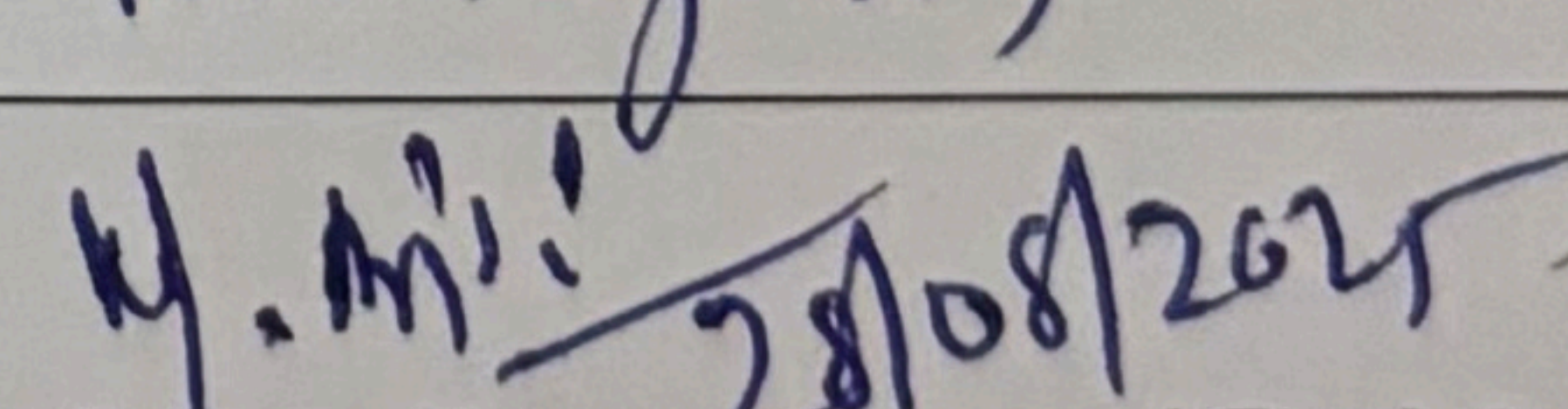
**Student Details**

Roll Number	24CSM1R23
Name of the Student	Uddet Jain
Program & Specialization	M.Tech. (CSE)
Academic Year	2025-26
Semester	Odd Sem
Supervisor	Prof. Manjubala Bisi
Month	August

**Monthly Progress details:**

Title	Reliability of Explainable AI			
Problem statement/Objectives	The challenge is to design a new parameter to check the reliability of XAI in critical domains like healthcare, where, unstable explanations can be risky.			
Progress Summary	<ul style="list-style-type: none"><li>Reviewed the existing works on L2NN and XNAM for software defect prediction and from those insights, proposed a new <u>gradient of loss</u> parameters to assess how reliable XAI explanations are.</li></ul>			
Planned work for next month	<ul style="list-style-type: none"><li>Designing a framework.</li><li>Implementing the parameter approach.</li></ul>			
Any Publication (Conference paper/ Journal paper/ Book Chapter etc. )	—			
TA duties attended (weekly basis)	—			
Supervisor remarks (please Tick one of the options) about the student's project progress.	Excellent		Satisfactory	
	Very Good		Marginal	
	Good		Poor	
			<input checked="" type="checkbox"/>	
	<u>Comments (if any):</u> The student has not discussed anything related to the project in August, 2025.			

  
Signature of the Student

  
Signature of the Supervisor/Guide