DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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M Tech Dissertation- Monthly Progress Report

Student Details

Roll Number	24CSM1R23
Name of the Student	Udit 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 expeainations can be risky.
Progress Summary	• Reviewed the existing works on LCNN and XNAM for software defect prediction and. from those insights, proposed a new gradient of loss parameter to access how reliable XAI explainations are.
Planned work for next month	• Designing a framework. • Implementig the parameter approach.
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 [ ] Comments (if any):

Udit Jain

Signature of the Student

Signature of the Supervisor/Guide