



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

Address: NIT Campus, Warangal, Telangana State, India, Pin Code – 506004.
website: www.nitw.ac.in/department/cse/, e-mail: cse_hod@nitw.ac.in, Phone: +91 870 246 2700/2701

M Tech Dissertation- Monthly Progress Report

Student Details

Roll Number	24CSNIR23
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 health care, where, unstable explanations can be risky.															
Progress Summary	<ul style="list-style-type: none">Reviewed ten existing works on CNN and XNAM for software defect prediction and from those insights, proposed a new gradient of loss parameters to access how reliable XAI explanations are.															
Planned work for next month	<ul style="list-style-type: none">Designing a framework.Implementing 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.	<table border="1"><tr><td>Excellent</td><td></td><td>Satisfactory</td><td></td></tr><tr><td>Very Good</td><td></td><td>Marginal</td><td></td></tr><tr><td>Good</td><td></td><td>Poor</td><td><input checked="" type="checkbox"/></td></tr></table>				Excellent		Satisfactory		Very Good		Marginal		Good		Poor	<input checked="" type="checkbox"/>
Excellent		Satisfactory														
Very Good		Marginal														
Good		Poor	<input checked="" type="checkbox"/>													
<p><u>Comments (if any):</u> The student has not discussed anything related to the project in August, 2025.</p>																

Udit Jain
Signature of the Student

M.M.: 28/08/2025
Signature of the Supervisor/Guide