MALLA REDDY UNIVERSITY

(As per Telangana State Private Universities Act No.11 of 2018 and G.O.Ms.No.14, Higher Education (UE) Department)

Second Year Project Registration Form

Name of the Guide: Prof. G. ChinniKrishnaiah
Year: II-YEAR
Title of the Project: Face-Recognition Attendance Using ML
Abstract:

This project presents a Facial Recognition Attendance System implemented in Python, leveraging OpenCV and face_recognition libraries. The system processes a dataset of facial images, extracting unique encodings for known individuals. Utilizing a webcam, the real-time video feed is continuously analyzed for face detection and recognition. Upon recognition, the individual's name is displayed, and attendance is logged in a CSV file ('Attendance.csv') with timestamps. Crucially, the system ceases operation upon successfully recognizing a face, ensuring the webcam stops, and the script exits gracefully. The project's machine learning component employs deep learning models provided by face_recognition for accurate facial feature encoding and comparison. This integration of computer vision and machine learning offers a practical, user-friendly solution for automated attendance tracking in various settings, facilitating efficient record-keeping with minimal user intervention.

Student Batch Details:

Student Name	Roll Number	Section Details
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Guide Sign   **Project Coordinator**   **HoD- AIML**