

MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 2023)

NAME OF LAB COORDINATOR: Ms. Sangu Choudhary

TITLE OF PROJECT: Face Recognition Attendance System

PROJECT TRACK: (Tick the appropriate one / ones) ☒

1. R&D (Innovation)	2. CONSULTANCY (Fetched from Industry)	3. STARTUP (Self-Business Initiative)	4. PROJECT POOL (From IBM / INFOSYS)	5. HARDWARE / EMBEDDED
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BRIEF INTRODUCTION OF PROJECT:

This project is to develop face recognition based automated student attendance system. Here we can implement an effective system which will mark attendance of students automatically by recognizing their face.

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
Python	v3.11.3	software	front-end, back-end
MySQL	v8.0	software	database
webcam		Hardware	for training & face detection
visual studio code	v1.78	software	code editors

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
Student Registration	Allow user to register themselves.
Training of model	Train model to extract features of student
Face Detection	Identify student face according to trained data
Attendance module	marks attendance of student
developer module	description about project developers
Help desk module	allow users to contact developers

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
Ishika Agarwal	IT-A-G2	8875050020	Front end & back-end	
Kritika Surana	IT-A-G2	9829382097	database & documentation	
Kunal Bharagotiya	IT-A-G2	6376724329	database & documentation	
Laxanya Jain	IT-A-G2	8306447238	Front-end & back-end	

NOTE: 1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.
2. Students must keep a Xerox copy of this form as reference for project work and attach it to final report.