

MAJOR / MINOR PROJECT ABSTRACT [Form - 1] (YEAR - 20__)

NAME OF LAB COORDINATOR: Sanju Choudhary

TITLE OF PROJECT: Advance 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:

The project is a Advance Attendance System is developed for maintaining the Attendance of the student on the daily basis in the college. The prepared System is a software System which will mark attendance using Facial Recognition

TOOLS / TECHNOLOGIES TO BE USED:

NAME OF TOOL / TECHNOLOGY	VERSION	SOFTWARE / HARDWARE	PURPOSE OF USE
VScode		Software	Implementing code
Python 3.7 version	3.7	Software	for Run Python files
MysqL Workbench		Software	for developing database
OpenCV module		Software	Python library for Face Recognition

PROPOSED PROJECT MODULES:

NAME OF MODULE	PROPOSED FUNCTIONALITY IN PROJECT
Registration	for Register the Student details
Face Detector	for Recognition of student images.
Attendance	This will mark of students
Photos data	The database of images

TEAM MEMBER DETAILS:

STUDENT NAME	CLASS & GROUP	MOBILE No.	EXPERTISE AREA	ROLE IN PROJECT
Manashini Sharma	IT-B (G ₁)	7976576066	Developer and SQL	SQL Developer & Python Developer
Mansi Kaur	IT-B (G ₁)	830212377	Developer and SQL	SQL Developer & Python Developer
Rishika Sharma	IT-B (G ₁)	8905936763	Documentation	Requirement gathering
Rakshita Agarwal	IT-B (G ₁)	9772378603	Documentation	Requirement gathering

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.

ROLE SPECIFICATION OF TEAM MEMBERS [Form - 2]

MEMBER 1 <u>Manashvini Sharma</u>		HANDLING MODULE <u>Developer & database connectivity</u>	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Requirement gathering	09/01/23	23/01/23	Research, Market Analysis
Designing frontend	23/01/23	13/02/23	Developing user interface of Activities
Database connectivity	13/02/23	01/04/23	connecting MySQL Workbench to our project's register page for collecting the dataset
Testing	01/04/23	16/04/23	Testing the code & fixing the bugs
Deployment	16/04/23	30/04/23	Deployment of the project

MEMBER 2 <u>Manvi Kanwar</u>		HANDLING MODULE <u>Developer & database connectivity</u>	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Requirements gathering	09/01/23	23/01/23	Research, Market Analysis
Designing frontend	23/01/23	13/02/23	Developing user interface of Activities
Database connectivity	13/02/23	01/04/23	connecting MySQL Workbench to our project's register page for collection of Dataset
Testing	01/04/23	16/04/23	Testing the code & fixing the bugs
Deployment	16/04/23	30/04/23	Deployment of the project

MEMBER 3 <u>Nirjhara Sharma</u>		HANDLING MODULE <u>Documentation</u>	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Requirement gathering	09/01/23	23/01/23	Research, Market Analysis
Documentation	23/01/23	13/02/23	Report on Overleaf
Formatting	01/04/23	16/04/23	format & resolving mistakes in the report & fixing it.

MEMBER 4 <u>Rakshita Agarwal</u>		HANDLING MODULE <u>Documentation & frontend</u>	
NAME OF ACTIVITY	SOFT DEADLINE DATE	HARD DEADLINE DATE	DETAILS OF ACTIVITY (STORY)
Requirement gathering	09/01/23	23/01/23	Research, Market Analysis
Designing Main Pages Register Page (frontend)	23/01/23	13/02/23	Developing user interface of main page of Activities
SRS Documentation	13/02/23	01/04/23	SRS documentation on overleaf (IEEE standards)
documentation & diagram Analysis	16/04/23	30/04/23	Creating Activity, DFD Diagrams & editing the report.

MENTOR'S NAME & SIGNATURE Richa Khandelwal

- NOTE:**
1. This form is to be submitted by a team of maximum 4 students in the starting of semester to lab coordinator.
 2. Every member student must keep a Xerox copy of this form as reference for his / her part in project work.
 3. Students must provide the detailed list of planned activities along with their completion deadline dates.
 4. The lab coordinator will check the weekly progress of student against the information provided in this form.

Form-3

PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 1		Manashwini Sharma		
NAME OF PROJECT		Advance Attendance System		
OTHER TEAM MEMBERS		2. Mansi Kamber	3. Neelkanta Sharma	4. Poojashree Pappuwal
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
09/01/23 16/01/23	Information Engineering	Completed research Phase & information gathering	Done	
16/01/23 23/01/23		Developed Project Plan & timeline		
23/01/23 30/01/23	Developing main Page	code & run frontend page	Done	
30/01/23 06/02/23		finalised design mock-ups for the frontend		
06/02/23 13/02/23		developed layouts		
13/02/23 20/02/23	working on frontend	Completed Registration module	Done	
20/02/23 27/02/23		Completed Face detector module		
27/02/23 06/03/23	Photos data module	Completed Photo data module	Done	
06/03/23 13/03/23	Attendance module	Completed Attendance module		
13/03/23 20/03/23	Database connectivity	Connected Database (MySQL)	Done	
27/03/23 01/04/23	Bug fix	Fixed known bugs		
01/04/23 08/04/23	Testing of modules	Created Test Cases.	Done	
08/04/23 30/04/23	Planning & deploy			
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE
LAB COORDINATOR's remarks & Signature _____				

- NOTE:**
1. This form is to be maintained in a file by lab coordinators for student - 1 of the team to track his / her progress.
 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
 3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
 4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.
 5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.
 6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

Form-3

PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 2		Manvi Kamari		
NAME OF PROJECT		Advance Attendance System		
OTHER TEAM MEMBERS		1. Manashini Sharma	3. Nirbhara Sharma	4. Rakshita Agrawal
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
09/01/23	Information gathering	Completed Research Phase	Done	
16/01/23		& Information gathering		
16/01/23		Deploy Project Plan		
23/01/23	Developing Project main UI	Developing frontend	Done	
23/01/23		finalised mockup design for frontend		
30/01/23		Developing layouts of Project		
06/02/23	frontend part	Completed main & register page of Project	Done	
13/02/23		Face Detector module completed		
20/02/23		Completed Photos dataset module		
27/02/23	Attendance module	Completed Attendance module & mark Attendance	Done	
06/03/23		connected Database (mysql) for Attendance		
13/03/23				
27/03/23	Testing	Fixed known bugs	Done	
01/04/23		Created test cases.		
08/04/23				
15/04/23	Plans Deploy			
22/04/23				
29/04/23				
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE

LAB COORDINATOR's remarks & Signature _____

- NOTE:** 1. This form is to be maintained in a file by lab coordinators for student - 2 of the team to track his / her progress.
2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.
5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.
6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

Form-3

PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 3		Nirjhara Sharma		
NAME OF PROJECT		Advance Attendance System		
OTHER TEAM MEMBERS		1. Manashini Sharma	2. Manvi Kumar	4. Rakshita Agarwal
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
09/01/23 16/01/23	Information gathering	Completed research phase & information gathering	Done	
16/01/23 23/01/23		Developed project plan & timeline	Done	
23/01/23 30/01/23	Documentation	Rectifying the data	Done	
30/01/23 06/02/23	Documentation	formatting the data		
13/02/23 20/02/23	Analysis for report	Informative gathering for project report	Done	
20/02/23 27/02/23		Searching and manage the data of Report and Create Report on IEEE standard	Done	
21/04/23 08/04/23	Project Report	Final Project Report.	Done	
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE
LAB COORDINATOR's remarks & Signature _____				

- NOTE:** 1. This form is to be maintained in a file by lab coordinators for student - 3 of the team to track his / her progress.
2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.
5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.
6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

Form-3 PROJECT WEEKLY STATUS MATRIX (FOR PROJECT MENTORS)

NAME OF STUDENT - 4		Rakshita Agarwal		
NAME OF PROJECT		Advance Attendance System		
OTHER TEAM MEMBERS		1. Manashini Sharma	2. Manvi Kamwar	3. Nitya Sharma
WEEK (TO-FROM)	WORKING ON MODULE	PROGRESS ACHIEVED	COMMENTS	MARKS (X / 10)
09/01/23	Information gathering	Completed research phase & finalised Project scope	Done	
16/01/23		Developed Project Plan & timelines		
23/01/23		Review of the software requirement	Done	
30/01/23		Finalised design mockups for the frontend layout.		
06/02/23				
13/02/23	Working on Main Page	Completed main page	Done	
20/02/23		Identifying Project Requirements & Create Document Overlay		
27/02/23	Diagram Designing	Developed Activity Data flow diagram to illustrate relations	Done	
06/03/23				
13/03/23	SRS documentation	Creating SRS Document or overlay in IEEE Standards	Done	
20/03/23				
01/04/23	Testing	Created informal tests	Done	
08/04/23		Bugs fixing.		
15/04/23				
TOTAL WEEKS	MODULE COMPLETED (YES / NO)	OVERALL PROGRESS (POOR / AVG / GOOD)	OVERALL COMMENT (POOR / AVG / GOOD)	PERCENTAGE MARKS ESTIMATE

LAB COORDINATOR's remarks & Signature _____

- NOTE:**
1. This form is to be maintained in a file by lab coordinators for student - 4 of the team to track his / her progress.
 2. Lab coordinators must cross check and evaluate the PROGRESS ACHIEVED + it's DOCUMENTATION by student against the work done by student and note their own comments about student's performance.
 3. The lab coordinator must evaluate student's work for every lab from a score of 10 points.
 4. The lab coordinator must compute average of these points at the end of semester to draw an estimate of the PERCENT MARKS to be awarded to the student for his / her performance.
 5. The lab coordinator must IMMEDIATELY CONTACT MENTOR FACULTY of student in case of POOR PERFORMANCE or 2 CONTINUOUS ABSENCE from lab.
 6. In case of absence, 00 / 10 MARKS will be awarded if the mentioned work is not presented in next lab by student.

MAJOR / MINOR PROJECT TRACK BIFURCATION GUIDELINES

The projects to be undertaken in MINOR and MAJOR project schemes are expected to belong to one or more tracks suggested ahead. These project tracks have been structured as follows:

TRACK	TRACK DETAILS	SAMPLE PROJECT TYPES
RESEARCH & DEVELOPMENT PROJECTS (Innovation)	<ol style="list-style-type: none"> 1. Projects involving proposal of any INNOVATIVE ELEMENT (theorem, formula, algorithm, procedure, design etc.) will be considered under this track. 2. A detailed and well published work, i.e. research paper in a journal / conference, (preferably in SKIT research journal or NCETCE conference) will be expected at the end of such 7th semester. 	<ol style="list-style-type: none"> 1. Cloud based applications involving a resource managing / scheduling algorithm. 2. Big data applications for reporting or prediction of results 3. Machine learning application for summarizing / scanning data values.
CONSULTANCY PROJECTS (Fetched from Industry by FACULTY or STUDENTS)	<ol style="list-style-type: none"> 1. Projects achieved from industrial / commercial organizations to be developed as a solution of their problem / requirement will be considered as consultancy projects. 2. Only project proposals accompanied by well documented consultancy agreement by such industrial / commercial organizations carrying their authorized signatures and seal will be considered under this track. 3. Any kind of financial payment / remuneration / honorarium drawn from the client organization by the team members must be placed in knowledge of concerned project mentor, lab coordinator and HOD. 	<ol style="list-style-type: none"> 1. Contract for developing Android app for a business organization 2. Contract for developing a web based ERP solution for an organization 3. Contract for developing an automation unit (hardware & software) for a manufacturing plant. 4. Contract for developing a scheduling software for a mechanical / electrical setup.
STARTUP PROJECTS (Self-Business Initiative)	<ol style="list-style-type: none"> 1. Projects involving solutions (software / hardware / web application / mobile app etc.) for a proposed business startup will be considered as startup projects. 2. Only project proposals accompanied by well documented business plan certified by an expert (academic / industrial / commercial person or organization) will be considered under this track. 3. Any kind of financial information required / planned for setup must be placed in knowledge of concerned project mentor, lab coordinator and HOD. 	<ol style="list-style-type: none"> 1. Developing an Android app for a chain of dealers joining a common business domain (Groffers, Flipkart) 2. Developing a cloud based file management system (Evernote) 3. Developing a search & recommendation application for hotels and restaurants (Zomato)
PROJECT POOL (Listed by IBM / INFOSYS)	<ol style="list-style-type: none"> 1. Projects available in project pool prescribed by Infosys & IBM will be considered as industry projects. 	<ol style="list-style-type: none"> 1. Library Management System 2. Online Resume Builder 3. Prison Management System
HARDWARE (EMBEDDED PROJECTS)	<ol style="list-style-type: none"> 1. Projects involving any hardware component (electrical or electronic circuit / mechanical apparatus etc.) will be considered as hardware based project. 2. Any requirement (fabrication / assembly etc.) for hardware projects should be placed in knowledge of concerned project mentor, lab coordinator and HOD for provision of adequate support and guidance. 	<ol style="list-style-type: none"> 1. Android based control or automation unit for home appliances 2. RFID based token collection / attendance management system