1. Introduction

The Industrial Visit Management System (IVMS) is a software system designed to streamline and automate the process of managing industrial visits for educational institutions. This document outlines the software requirements for the IVMS, detailing its features, functionalities, and constraints.

2. Scope

The IVMS will allow educational institutions to efficiently manage all aspects of industrial visits, including scheduling, student registration, communication with industry partners, and feedback collection. The system will provide administrators, faculty members, students, and industry partners with the necessary tools to facilitate seamless coordination and communication.

3. Functional Requirements

3.1 User Roles

Administrator: Responsible for overall system management, including user management, scheduling visits, and generating reports.

Faculty Member: Initiates and manages industrial visits for their respective courses, including student registration and trip coordination.

Student: Registers for industrial visits, accesses trip details, and provides feedback post-visit.

Industry Partner: Provides details about the company, available visit dates, and interacts with faculty members for visit coordination.

3.2 System Features

User Authentication: Users must log in with valid credentials to access the system.

Visit Scheduling: Administrators and faculty members can schedule industrial visits, specifying date, time, location, and agenda.

Student Registration: Students can register for upcoming industrial visits, providing necessary information such as name, course, and contact details.

Communication: The system facilitates communication between faculty members, students, and industry partners through notifications, emails, or messaging.

Feedback Collection: After the visit, students can provide feedback on their experience, which is then collected and analyzed for future improvements.

Reporting: Administrators can generate various reports, including visit summaries, attendance records, and feedback analysis.

3.3 Non-Functional Requirements

Security: The system must ensure data confidentiality, integrity, and availability through robust security measures such as encryption and access controls.

Performance: The system should be responsive and capable of handling multiple concurrent users without significant performance degradation.

Scalability: The system should be scalable to accommodate future growth in user base and visit volumes.

Usability: The user interface should be intuitive and user-friendly, requiring minimal training for users to navigate and perform tasks.

Reliability: The system should be reliable, with minimal downtime and data loss.

4. Constraints

Technological Constraints: The system must be developed using technologies supported by the organization's infrastructure and budget constraints.

Regulatory Compliance: The system must comply with relevant data protection and privacy regulations, such as GDPR or HIPAA, depending on the jurisdiction.

5. Conclusion

The Industrial Visit Management System aims to enhance the efficiency and effectiveness of managing industrial visits for educational institutions. By addressing the outlined requirements, the system will enable seamless coordination, communication, and feedback collection, ultimately enhancing the overall industrial visit experience for all stakeholders involved.

There are basically two logins

1. Administrator
2. College Login

Administrator

- Admin will add all the Masters required for the project
- Admin will add the location
    - Location id
    - Location City
    - Location Name
    - Active / Inactive
- Admin will add the University
    - University ID
    - University Name
    - Active / Inactive
- State Master
    - State ID
    - State Name
    - Active / Inactive
- District Master
    - District ID
    - Select State (Only Active)
    - District Name
    - Active / Inactive
- City Master
    - City ID
    - Select State (Only Active)
    - Select District
    - City Name
    - Active / Inactive
- Admin will Add the College Admin Person for registration
    - College ID
    - College Name
    - Select State

- o Select District

- o Select City

- o Select University Name

- o Principal Name

- o Contact Person

- o Contact Person Contact 1

- o Contact Person Contact 2

- o College Email id

- o Login Name/Username

- o Password

- o Confirm Password

- o Select Visiting location

- o Is MOU signed (Y/N)

- o Active / Inactive

- Admin will create an agenda for the visit

  - o Agenda ID

  - o Agenda Title

  - o Agenda Description

  - o Agenda Time

  - o Active / Inactive

| 1 | Introduction | Sumago Intro Presentation/ Video | 01.00 hrs |
| 2 | Company Visit | Visit to Each Department | 01.00 hrs |

- Admin will also add the fees for the visiting

  - o Fees ID

  - o Fees Title

  - o Fees Amount

  - o Active / Inactive

- If admin will get any request for Visit then he will get the notification for it

- Admin will get an request for IV from college, he will see the details and accordingly he will either accept the request or reject it

- If they rejects the request then they will has to give the reason for rejection

- Admin will get an report of all history of the selected college from list

- Confirmation email will be send to college after final

- On Dashboard will get the count of Visits this

  o current week

  o Current month

  o Last 5 visited college list

  o Count of Non-signed MOU

- College list who has signed the MOU

- List out the college who has not signed MOU

- After visit Admin can share the media files to the college like Photographs/videos of visit

College login

- College Admin will get the link for registration and they will get register to system

- User will add the University
  - University ID
  - University Name
  - Active / Inactive

- State Master
  - State ID
  - State Name
  - Active / Inactive

- District Master
  - District ID
  - Select State (Only Active)
  - District Name
  - Active / Inactive

- City Master
  - City ID
  - Select State (Only Active)
  - Select District
  - City Name
  - Active / Inactive

- Once login they will send an request for the visit with details like
  - Number of students
  - Date of Visit
  - Time Slot
  - Number of Faculty with students
  - Purpose
  - Any Comment

- If the schedule is free for that date and time slot then Admin will send an confirmation for it or if not possible on that slot then also they will get an details of it, and the notification will be seen in login

- If the slot is available then the fees will be display for visit, if everything is ok, then the visit will be final from both the end

- When the College admin will send and request then he will also attach an excel file of the student list for visit, and will also add the staff name with them
    - Student Name
    - Student Academic year (FE/SE/TE.,)
    - Level of Education (BE/Diploma/BCA/BSc/MCS/MCA., etc)
    - Student Department(Computer/IT/E&TC.,etc)
    - Contact Number
    - Email iD

- For Adding the Staff name they will add the details
    - Department Name
    - Post Name
    - Faculty name
    - Contact Number

    They will add all the faculty for that visit

- If already slot book, then they will get the appropriate message

- College can share their feedback about the visit
    - Visit ID
    - Visit Date
    - Feedback Message

- After visit College Admin can share the media files to the company like Photographs/videos of visit

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