Software Requirement Specification for Industry Relation Programme

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Project ID:30

Project Title: Industry Relation Programme

Technical Components:

Components	Stack
Backend	Node Js,Express Js
Frontend	React Js
Database	MongoDB
API	Open API

Introduction:

Purpose:

The purpose of this document is to outline the software requirements for the development of a website aimed at collecting, storing, and displaying industry expert data for events hosted by the college. The website will facilitate efficient data management, provide a user-friendly dashboard for administrators, and offer functionalities for adding, editing, and filtering expert details.

Scope:

The scope of the project includes the development of a website with the following key features:

- Collection of industry expert data including name, company name, phone, email, date of visit, events attended, address, domain of expertise, and referring faculty member.It will be useful to manage data efficiently.

- Display of expert details in a user-friendly dashboard accessible to authorized administrators.

- Functionality for administrators to edit and save expert details, add new entries, and filter data by city, domain, year, and other relevant criteria.

System Overview:

Users:

- Administrators: College personnel authorized to manage expert data and access the dashboard

- Faculty: Faculties with Limited access can view the expert data and also view the dashboard.

Features:

- Data Collection: Provide a form for capturing industry experts details including name, company name, contact information, visit details, and referring faculty members.

- Data Storage: Securely store collected data in a relational database.

- Dashboard: Display expert details in a user-friendly dashboard for administrators.

- CRUD Operations: Enable administrators to add, edit, and delete expert entries.

- Filtering: Implement functionalities to filter expert data based on city, domain, year, and other specified criteria.

Functional Requirements:

- User Interface (UI)

Design a user-friendly interface for both administrators and users.Ensure responsive design for accessibility on various devices.

- Data Collection

Provide a form with fields for capturing Industry experts details.Implement validation rules to ensure data accuracy.

- Data Storage

Utilize a relational database to securely store expert data.

- Dashboard

Develop a dashboard to display expert details in a visually appealing and intuitive manner.
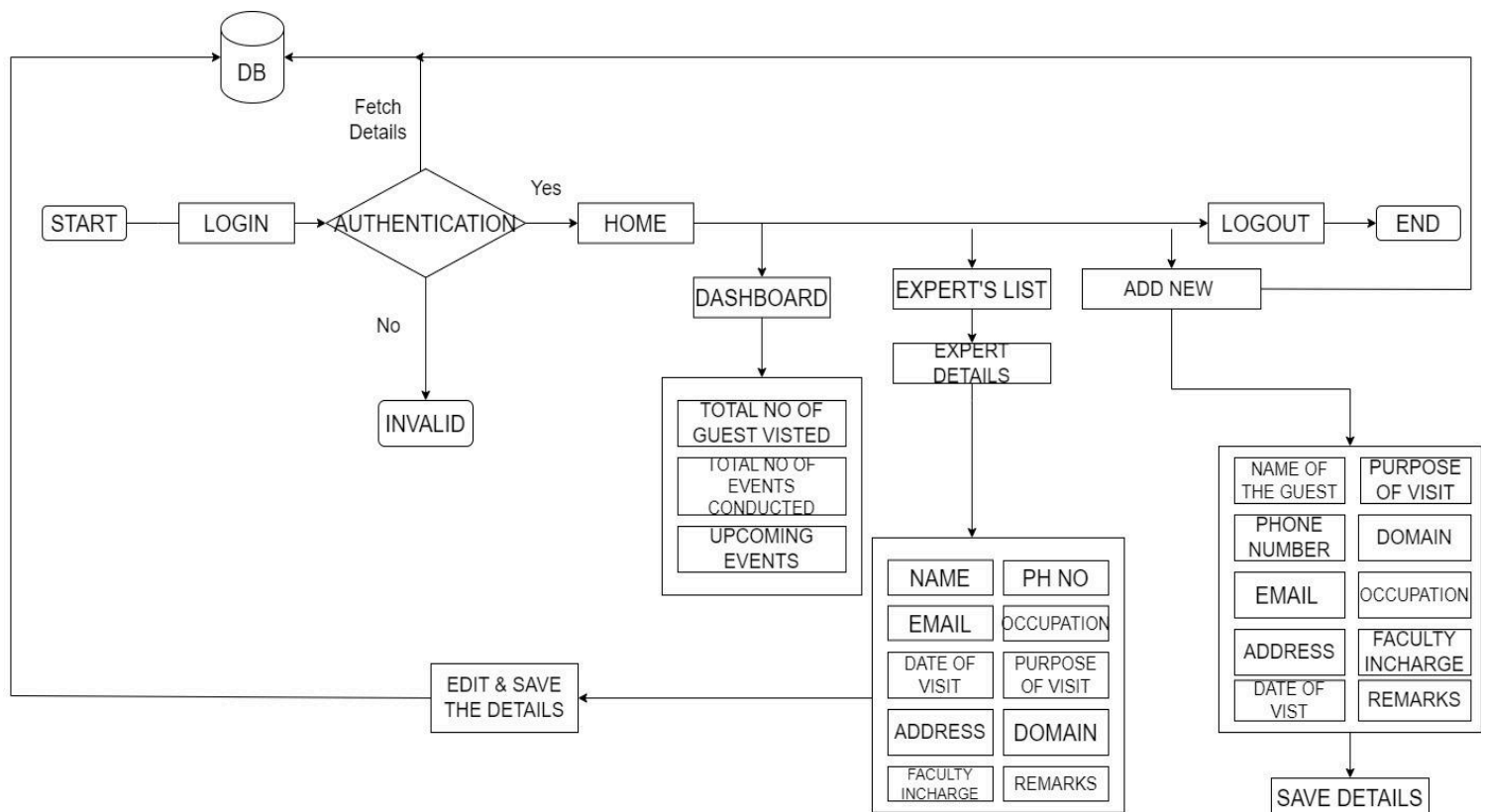
- CRUD Operations

Implement functionalities for adding, editing, and deleting expert entries.
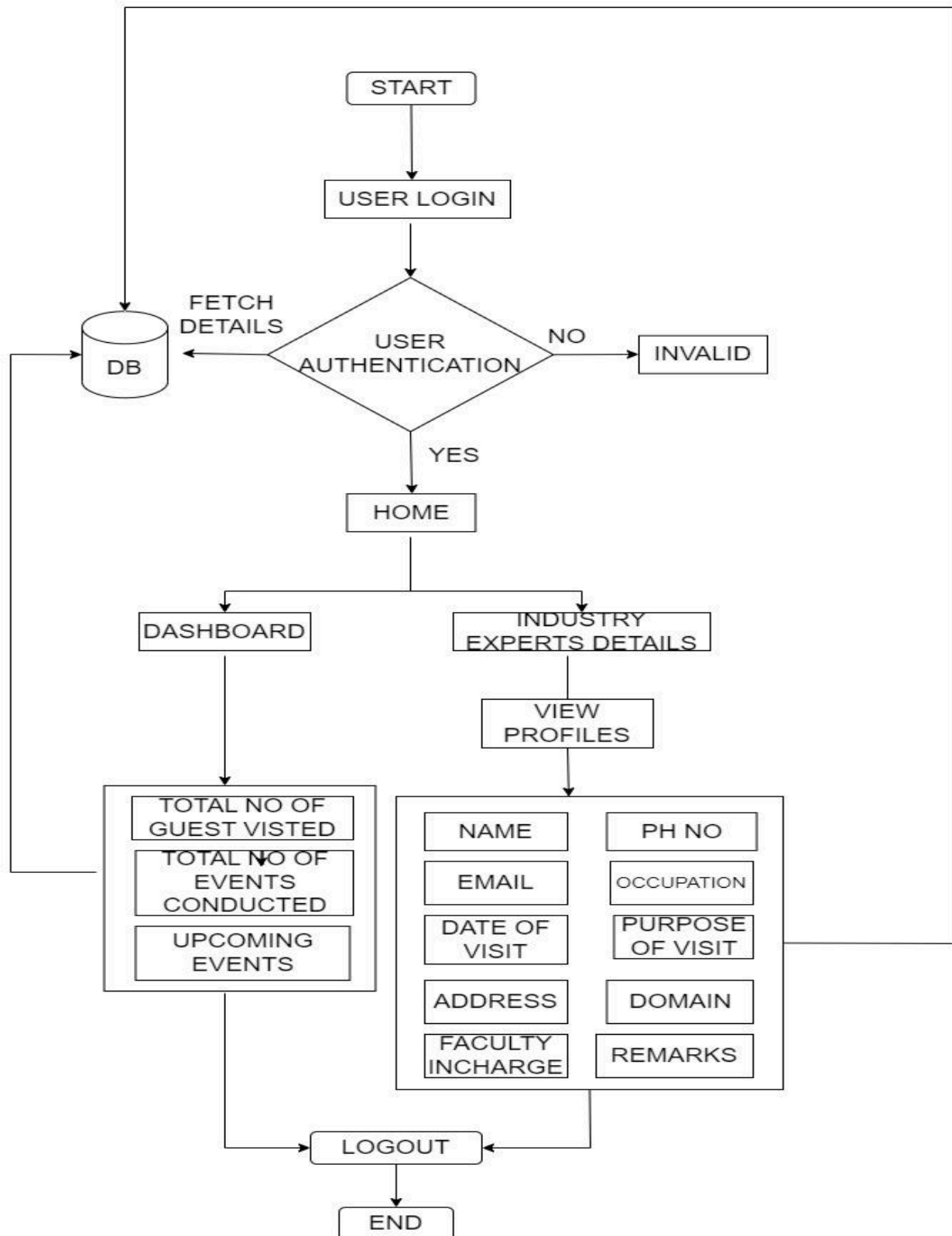
- Filtering.

Enable administrators to filter expert data based on specified criteria such as city, domain, and year.
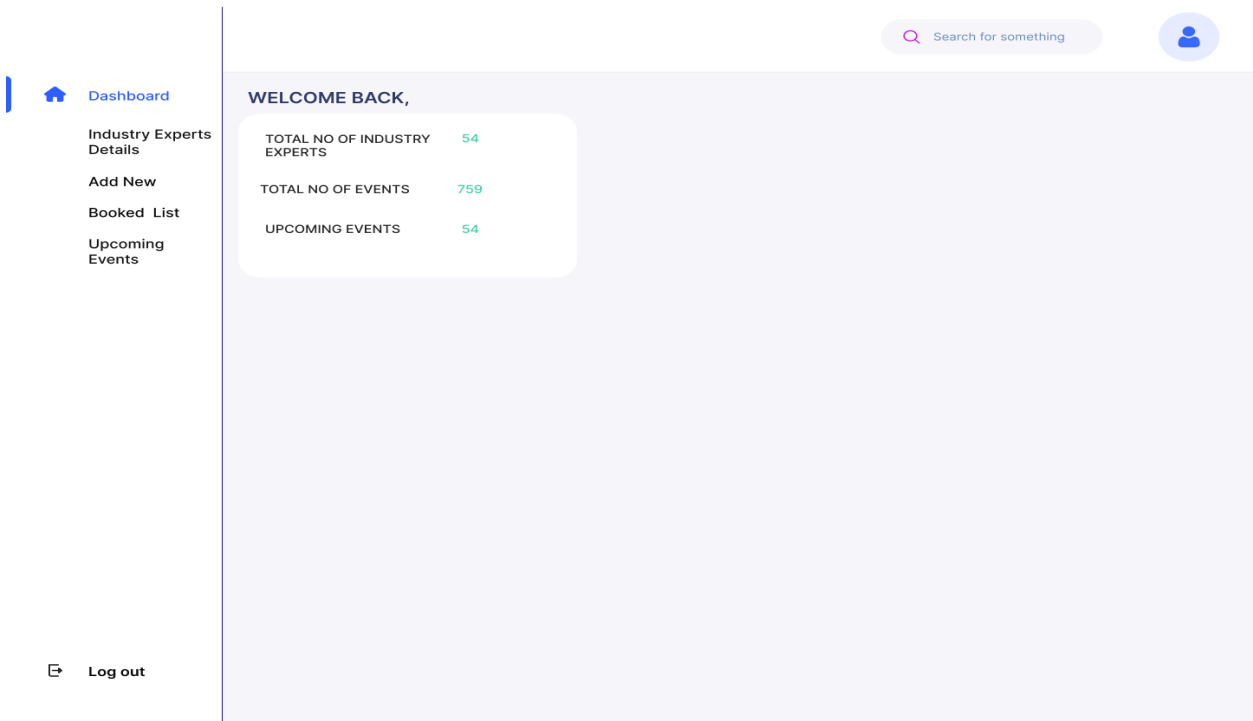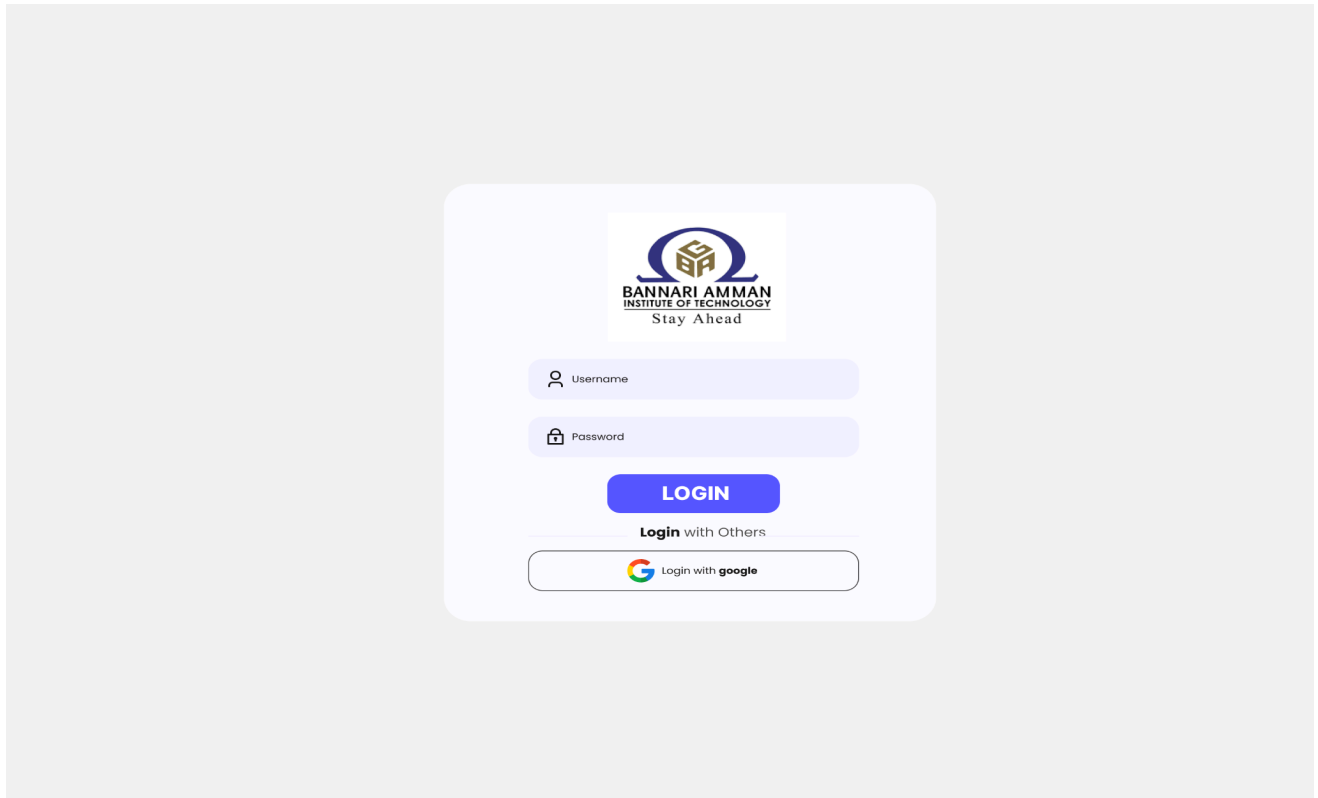
Admin's Interface Flowchart:

User Interface Flowchart:

```
                                    ┌─────────┐
                                    │  START  │
                                    └────┬────┘
                                         │
                                         ▼
                                  ┌────────────┐
                                  │ USER LOGIN │
                                  └─────┬──────┘
                                        │
                                        ▼
        FETCH                      ╱──────────╲
        DETAILS                   ╱    USER     ╲         NO      ┌──────────┐
   ┌────┐◄────────────────      ◄ AUTHENTICATION ►──────────────►│ INVALID  │
   │ DB │                        ╲              ╱                 └──────────┘
   └────┘                         ╲──────┬─────╱
     ▲                                   │
     │                                 YES
     │                                   │
     │                                   ▼
     │                             ┌──────────┐
     │                             │   HOME   │
     │                             └────┬─────┘
     │                    ┌─────────────┴─────────────┐
     │                    ▼                           ▼
     │             ┌────────────┐           ┌──────────────────┐
     │             │ DASHBOARD  │           │     INDUSTRY     │
     │             └─────┬──────┘           │  EXPERTS DETAILS │
     │                   │                  └────────┬─────────┘
     │                   │                           ▼
     │                   │                   ┌──────────────┐
     │                   │                   │     VIEW     │
     │                   ▼                   │   PROFILES   │
     │        ┌────────────────────┐         └──────┬───────┘
     │        │  TOTAL NO OF       │                ▼
     └────────┤  GUEST VISTED      │     ┌──────────────────────────┐
              ├────────────────────┤     │ ┌────────┐  ┌──────────┐ │
              │  TOTAL NO OF       │     │ │  NAME  │  │  PH NO   │ │
              │  EVENTS            │     │ └────────┘  └──────────┘ │
              │  CONDUCTED         │     │ ┌────────┐  ┌──────────┐ │
              ├────────────────────┤     │ │ EMAIL  │  │OCCUPATION│ │
              │  UPCOMING          │     │ └────────┘  └──────────┘ │
              │  EVENTS            │     │ ┌────────┐  ┌──────────┐ │
              └────────┬───────────┘     │ │DATE OF │  │ PURPOSE  │ │
                       │                 │ │ VISIT  │  │ OF VISIT │ │
                       │                 │ └────────┘  └──────────┘ │
                       │                 │ ┌────────┐  ┌──────────┐ │
                       │                 │ │ADDRESS │  │  DOMAIN  │ │
                       │                 │ └────────┘  └──────────┘ │
                       │                 │ ┌────────┐  ┌──────────┐ │
                       │                 │ │FACULTY │  │ REMARKS  │ │
                       │                 │ │INCHARGE│  └──────────┘ │
                       │                 │ └────────┘               │
                       │                 └──────────┬───────────────┘
                       ▼                            ▼
                  ┌─────────────────────────────────────┐
                  │              LOGOUT                  │
                  └──────────────────┬───────────────────┘
                                     ▼
                               ┌─────────┐
                               │   END   │
                               └─────────┘
```

Non-Functional Requirements:

- Security:

  Implement secure authentication mechanisms and data encryption to protect sensitive information.

- Performance:

  Ensure the system responds promptly to user interactions and can handle a large volume of data efficiently.

- Scalability:

  Design the system to accommodate potential future growth in the number of expert entries.

- Usability:

  Conduct usability testing to ensure the website is intuitive and easy to navigate for administrators.

- Compatibility:

  Ensure cross-browser compatibility and responsiveness for various devices.

USER INTERFACE:

BANNARI AMMAN
INSTITUTE OF TECHNOLOGY
Stay Ahead

Username

Password

LOGIN

Login with Others

Login with **google**

Search for something

Dashboard

Industry Experts
Details

Add New

Booked List

Upcoming
Events

Log out

WELCOME BACK,

TOTAL NO OF INDUSTRY
EXPERTS   54

TOTAL NO OF EVENTS   759

UPCOMING EVENTS   54

Dashboard

Industry Experts Details

Add New

Booked List

Upcoming events

Log out

Industry Experts List

Filter

ID	Name	Phone	Event Attended	Date of Visit	Domain	Remarks
001	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	GOOD
002	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	BAD
003	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	GOOD
004	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	GOOD
005	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	NOT BAD

‹ Previous 1 2 3 4 Next ›

Dashboard

Industry Experts Details

Add New

Booked List

Upcoming Events

Log out

Profile

Name
Chandru

Phone no
90784563423

Email
chandru@gmail.com

Domain
Artificial Intelligence

Date of Visit
25/10/2024

Events Attended
Tech tronz c

Company Name
ZOHO

City
Chennai

Event Organizer or Faculty Incharge
Mr . xxxxxxxxx

Remarks
Good

Back   Edit profile

Dashboard

Industry Experts Details

Add New

Booked List

Upcoming Events

Edit Profile

Name

Chandru

Email

chandru@gmail.com

Date of Visit

25/10/2024

Company Name

ZOHO

Event Organizer or Faculty Incharge

Mr . xxxxxxxxx

Phone no

90784563423

Domain

Artificial Intelligence

Events Attended

Tech tronz c

City

Chennai

Remarks

Good

Back

Save profile

Log out

Dashboard

Industry Experts Details

Add New

Booked List

Upcoming Events

Add New Profile

Name

Email

Date of Visit

Permanent Address

Event Organizer or Faculty Incharge

Phone no

Domain

Events Attended

City

Remarks

Back

Save profile

Log out

Dashboard

Industry Experts
Details

Add New

Booked List

Upcoming
Events

Log out

Industry Experts Booked List

Filter

ID	Name	Phone	Event Nme	Date of Visit	Domain	Status
001	Mr xxxxxxxxx	9845634453	Techno Tron	30/4/2024	AUTOMOBILE	Booked
002	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	Booked
003	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	Not Booked
004	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	Booked
005	Mr xxxxxxxxx	9845634453	Project	30/4/2024	AUTOMOBILE	Booked

‹ Previous 1 2 3 4 Next ›

Dashboard

Industry Experts
Details

Add New

Booked List

**Upcoming
events**

Log out

Upcoming Events

Filter

ID	Event Name	Department	Event Date	Industry experts	Status
001	xxxxxxxxx	CSE	30/4/2024	Mr xxxxxx	Confirmed
002	xxxxxxxxx	AIML	30/4/2024	------	Not-Confirmed
003	xxxxxxxxx	AIML	30/4/2024	Mr xxxxxx	Confirmed
004	xxxxxxxxx	AIML	30/4/2024	Mr xxxxx	Confirmed
005	xxxxxxxxx	AIML	30/4/2024	-----	Not-Confirmed

‹ Previous 1 2 3 4 Next ›