

SOFTWARE REQUIREMENT SPECIFICATION

Name	Davish E
Roll no	7376221CS130
Seat no	230
Project ID	30
Problem Statement	Industry Relation Program

Technical Components

Component	Tech Stack
Frontend	Vuejs
Backend	Express, Nodejs
Database	MongoDB
API	RESTful services

Introduction

The purpose of this document is to present a detailed description of the IIPC Portal. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli.

Problem Statement

The current issue faced by the Industry Institute Partnership Cell at BIT is the **lack of a centralized platform** for organizing data, leading to data inconsistency and related challenges. There is a need for a solution that can efficiently manage records and streamline processes.

Scope of the Project

The software system aims to serve as a **dashboard for the IIPC-BIT**, facilitating the creation and management of records related to industry experts and faculty members. Specifically, it will:

1. Enables the administrator to create and manage records of industry experts who visit the college for various events such as **One Credit courses, workshops, seminars, and training.**
2. Allow the storage and management of records of faculty members who visit other institutions to deliver guest lectures, conduct workshops, and seminars.
3. Provide the administrator (iipc@bitsathy.ac.in) with the capability to perform CRUD operations (Create, Read, Update, Delete) on the

details of industry experts and faculty members, ensuring a robust system capable of handling large volumes of data.

System Overview

Functional Requirements

1. User Authentication:

- Only IIPC-BIT (iipc@bitsathy.ac.in) should have access to the dashboard

2. Industry Experts Dashboard:

- Display all industry experts' data with relevant details.
- Allow filtering of data based on various criteria such as academic year, date, region, domain, coordinator, type of event, company, and industry person.
- Enable adding new industry experts with their personal, company, and event details.
- Provide search functionality to quickly find specific industry experts.

3. Add New Industry Person:

- Provide a form to enter personal, company, and event details of a new industry person.
- Ensure validation of input data to maintain data integrity.

4. Faculty Visits Dashboard:

- Similar layout and functionality as the Industry Experts Dashboard.

- Allow filtering of data based on criteria such as **academic year, date, region, coordinator, type of event, and location.**
- Enable adding new faculty visit records with relevant details.
- Provide search functionality to find specific faculty visit records.

5. Add New Faculty Visit:

- Offer a form to input faculty and event details for a new visit.
- Validate input data to ensure accuracy and consistency.

6. CRUD Operations:

- Allow Create, Read, Update, and Delete operations on both industry expert and faculty visit records.

7. Credibility Check:

- Provide **star-based ratings** or remarks based on factors such as student feedback, coordinator feedback, cooperation, and behavior so as to ensure whether or not to invite the expert again.

8. Contact Integration:

- Enable admin to navigate to Gmail directly from the system if they choose to contact.

9. Mobile Responsiveness:

- Ensure the system is responsive and accessible on various devices such as desktops, tablets, and smartphones.

10. Chart View:

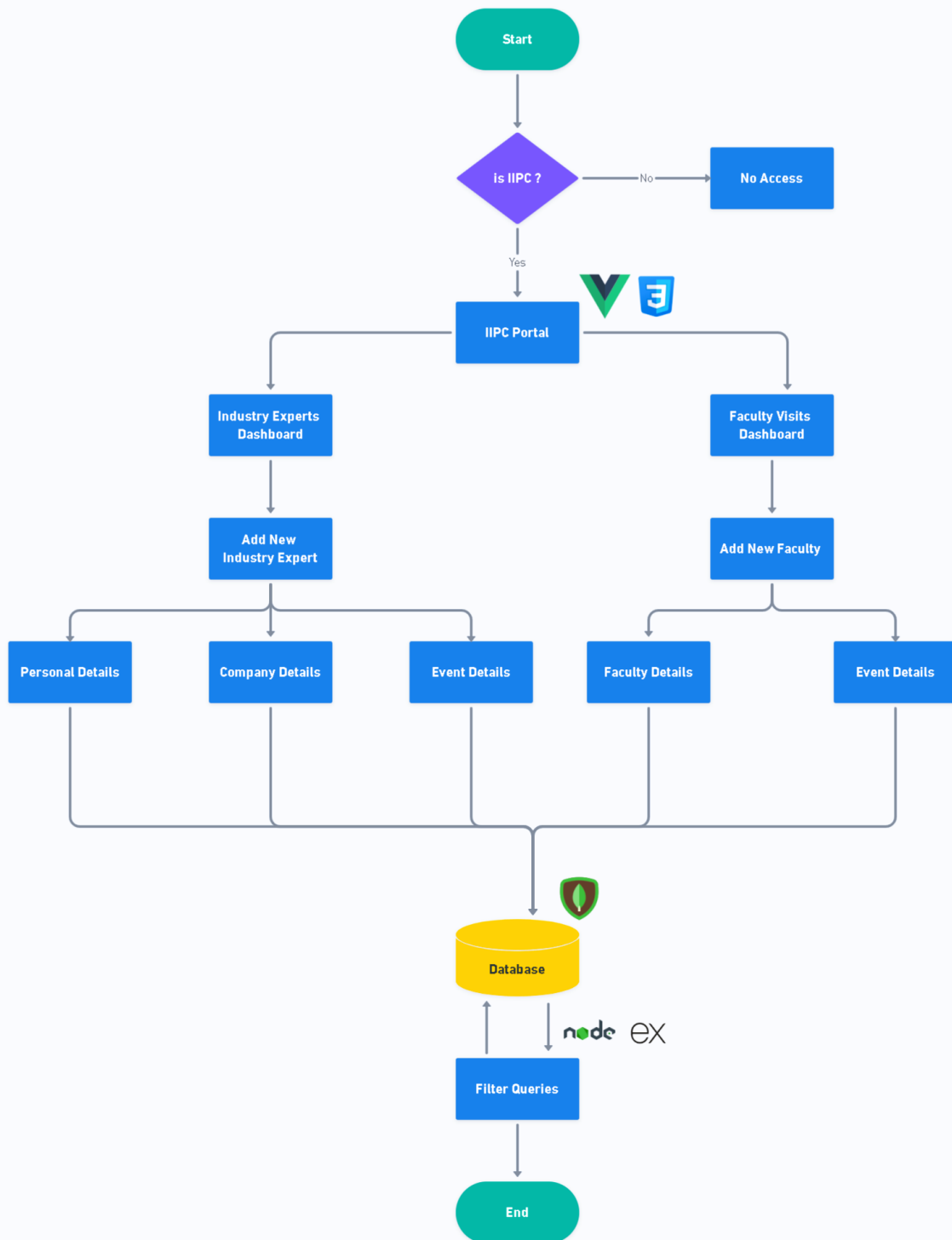
- Display visual representations such as bar graphs to show the total number of industry experts and faculty visits in an academic year.

Database

ER - Diagram

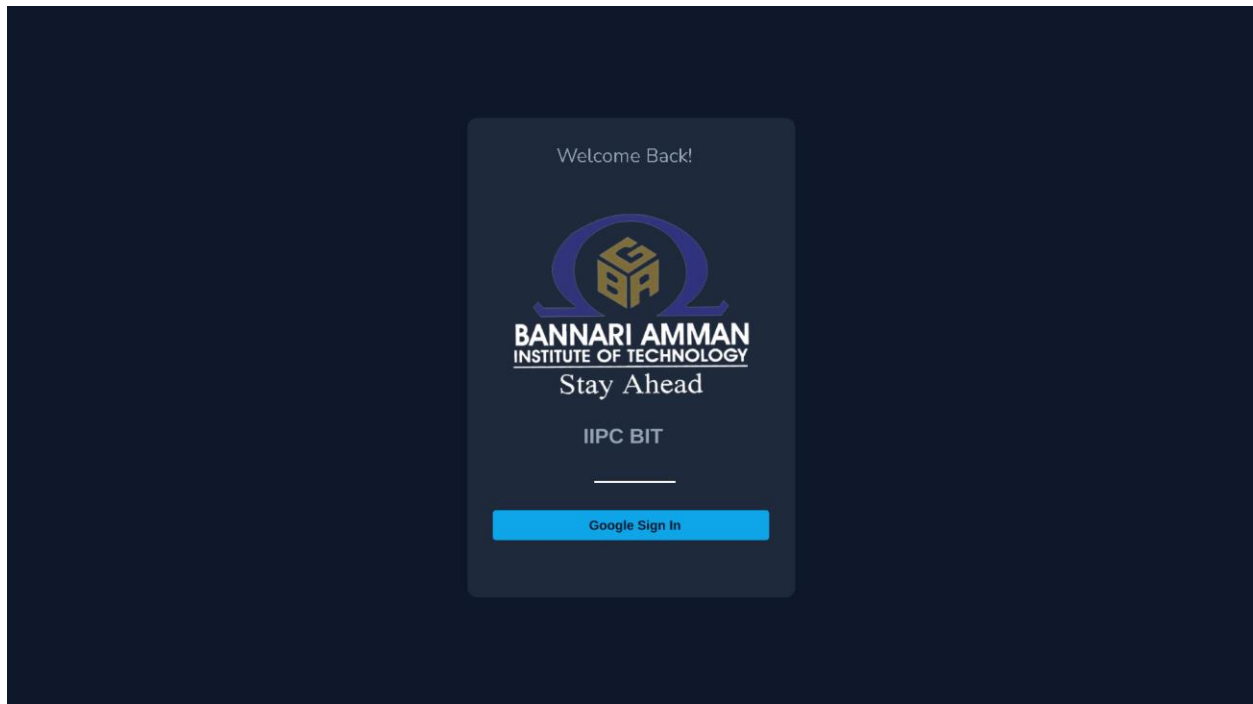


Flowchart



Prototype

Login Page



Industry Expert Dashboard

IIPC BIT

Dashboard

Industry Experts

Faculty Visits

I IIPC

Log out

Industry Experts Dashboard

[New +](#)

Year ▾
Domain ▾
Location ▾
Ratings ▾
Sort: Most Recent
⋮
↓ Export
⋮

<input type="checkbox"/>	Name	Email	Location	Domain	Company	Event	Date	
<input type="checkbox"/>	Ajay Kumar	ajaykumar@gmail.com	Erode	Computer Science	Apple Technologies	Workshop	20-04-2021	⋮
<input type="checkbox"/>	Jenny Wilson	ajaykumar@gmail.com	Erode	Computer Science	Warephase	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Dianne Russell	ajaykumar@gmail.com	Erode	Computer Science	Toughzap	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Marvin McKinney	willie.jennings@gmail.com	Erode	Computer Science	Golddex	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Courtney Henry	felicia.reid@gmail.com	Erode	Computer Science	Donware	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Devon Lane	dolores@example.com	Erode	Computer Science	Acme Co.	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Kristin Watson	tanya.hill@example.com	Erode	Computer Science	Barone LLC.	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Bessie Cooper	sara.cruz@example.com	Erode	Computer Science	Biffco Enterprises Ltd.	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Albert Flores	nevaeh@example.com	Erode	Computer Science	Binford Ltd.	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Kristin Watson	tanya.hill@example.com	Erode	Computer Science	Barone LLC.	Workshop	20-04-2021	⋮
<input type="checkbox"/>	Bessie Cooper	sara.cruz@example.com	Erode	Computer Science	Biffco Enterprises Ltd.	1 Credit Course	20-04-2021	⋮
<input type="checkbox"/>	Albert Flores	nevaeh@example.com	Erode	Computer Science	Binford Ltd.	1 Credit Course	20-04-2021	⋮

Faculty Visit Dashboard

**IIPC
BIT**

Dashboard

Industry Experts













Faculty Visits

1 IIPC
iipc@bitsathy.sc.in
Log out

Faculty Visit Dashboard

New +

Year ▾
Domain ▾
Location ▾
Sort: Most Recent
⌵ Export

<input type="checkbox"/>	Name	Email	Location	Domain	Company	Event	Date	
<input type="checkbox"/>	 Ajay Kumar	ajaykumar@gmail.com	● Erode	Computer Science	Apple Technologies	Workshop	20-04-2021	⋮
<input type="checkbox"/>	 Jenny Wilson	ajaykumar@gmail.com	● Erode	Computer Science	Warephase	Training	20-04-2021	⋮
<input type="checkbox"/>	 Dianne Russell	ajaykumar@gmail.com	● Erode	Computer Science	Toughzap	Training	20-04-2021	⋮
<input type="checkbox"/>	 Marvin McKinney	willie.jennings@gmail.com	● Erode	Computer Science	Golddex	Workshop	20-04-2021	⋮
<input type="checkbox"/>	 Courtney Henry	felicia.reid@gmail.com	● Erode	Computer Science	Donware	Workshop	20-04-2021	⋮
<input type="checkbox"/>	 Devon Lane	dolores@example.com	● Erode	Computer Science	Acme Co.	Training	20-04-2021	⋮
<input type="checkbox"/>	 Kristin Watson	tanya.hill@example.com	● Erode	Computer Science	Barone LLC.	Workshop	20-04-2021	⋮
<input type="checkbox"/>	 Bessie Cooper	sara.cruz@example.com	● Erode	Computer Science	Biffco Enterprises Ltd.	Training	20-04-2021	⋮
<input type="checkbox"/>	 Albert Flores	nevaeh@example.com	● Erode	Computer Science	Binford Ltd.	Workshop	20-04-2021	⋮
<input type="checkbox"/>	 Kristin Watson	tanya.hill@example.com	● Erode	Computer Science	Barone LLC.	Training	20-04-2021	⋮
<input type="checkbox"/>	 Bessie Cooper	sara.cruz@example.com	● Erode	Computer Science	Biffco Enterprises Ltd.	Workshop	20-04-2021	⋮
<input type="checkbox"/>	 Albert Flores	nevaeh@example.com	● Erode	Computer Science	Binford Ltd.	Workshop	20-04-2021	⋮

New Industry Expert

**IIPC
BIT**

Dashboard

Industry Experts

Faculty Visits

1 IIPC
iipc@bitsathy.sc.in
Log out

New Industry Expert

Personal Details

Firstname *

Lastname *

Mail ID *

Phone Number *

Domain of Expertise *

Is an Alumnus of BIT? *

Yes ☐ No ☐

Company Details

Company Name *

Company Address *

Mail ID *

Phone Number *

Event Details

Date *


Type of Event *

Event Coordinator *


Rate the Overall Experience: ★★★★★


SAVE

New Faculty Visit

**IIPC
BIT**

Dashboard

 Industry Experts

 Faculty Visits

1 IIPC

Log out

New Faculty Visit

Faculty Details

Firstname *

Lastname *

Mail ID *

Event Details

Date *

DD/MM/YYYY

Type of Event *

Location *

Event Brochure

Add Attachment

Duration *

SAVE