Software Requirement Specification for TAC Portal

Name	PREETHI R
Roll no	7376221CS265
Seat no	104
Project ID	16
Problem Statement	Internship course exemption

1. Introduction

1.1. Purpose:

The purpose of this document is to present a detailed description of the Internship course exemption. 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.

1.2. Scope of Project:

- This software system will serve as a portal for the Internship course exemption, enabling students to apply for internship and after completion of the internship student will apply for internship course exemption . From an administrative perspective, this system will provide a comprehensive **analytical dashboard**.
- Administrators have the ability to approve or reject Internship reports. Once it is approved,. Students can apply for internship course exemption or for reward points.If they select course exemption they will undergo a review

process ,student can book an appointment and attend the interview if the status is completed they can undergo course exemption process .The same will apply for reward points.

2. System Overview:

2.1. Users:

1. **Students**:

They have the ability to submit certificates for internship report approval, upload relevant certificates, monitor the status of their application, schedule appointments following approval, and review their course exemption details.

2. Admins:

Review submitted Internship reports, approve or reject applications (with remarks), manage appointments, schedule meetings, and access analytical dashboard.

2.2. Features:

1. Login and registration:

Students can register for an account or login with their existing account

2. Internship report:

Students can input relevant details regarding their internship,certificates, Industry details, and any necessary attachments. Upon completion, the application is submitted to the admin interface for review and further processing

3. Application Status:

Students can view the current status of their application and also see the history logs in the option Activity

4. Appointment Booking:

Student can request for review after the Internship report is approved

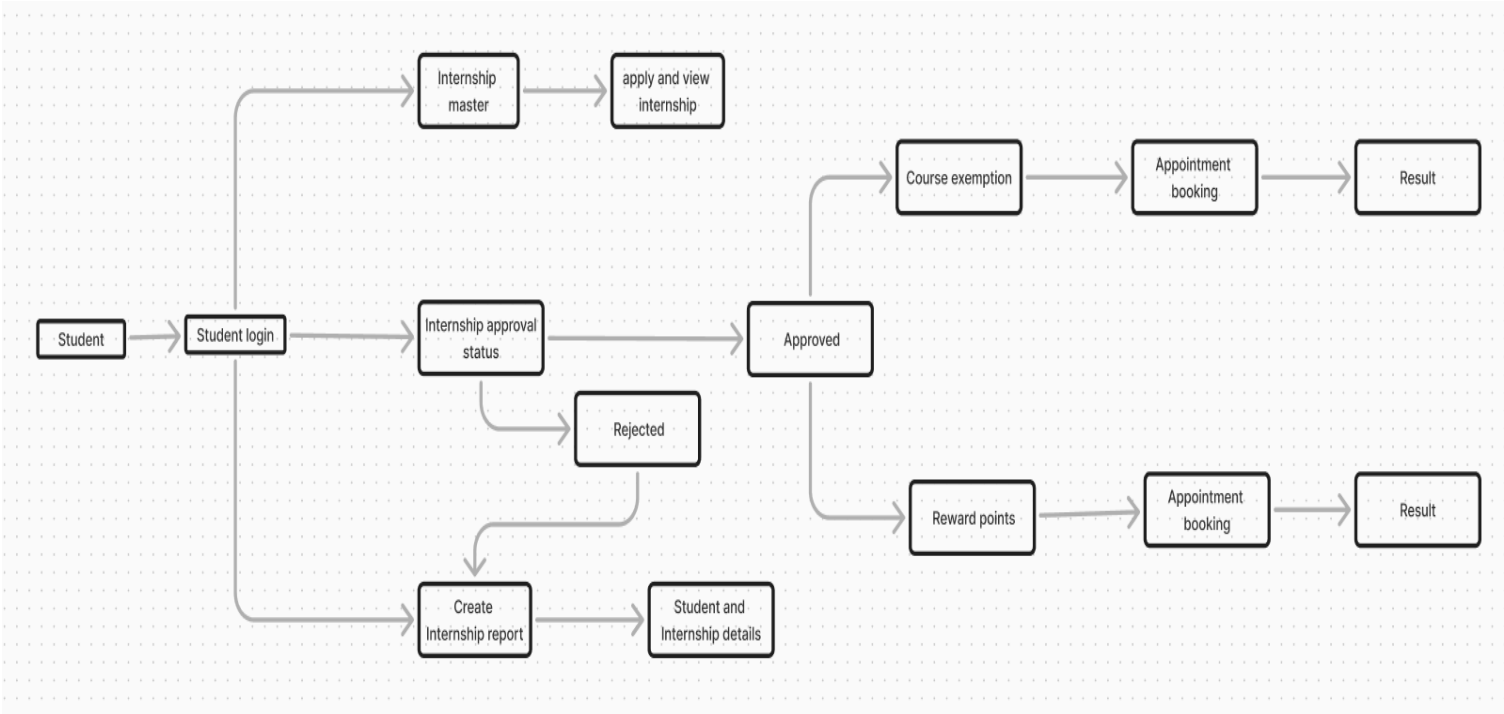
5. Admin Access:

Admin can view all submitted internship reports, view report details, approve or reject the report with suitable remarks.

6. Admin's Analytical Dashboard:

Admin can view the number of reports by category, appointments requested and also see the latest log of reports.

3. System Requirements Specification:



3.1 Functional Requirements:

Student Registration and Login:

- Students can register and log in to their accounts, with options for password recovery.

Internship Report Submission:

- Students can submit internship details, including certificates and industry information, for admin review.

Application Status Tracking:

- Students can track the status of their internship report and view the activity log for updates.

Admin Report Review:

- Admins can approve or reject internship reports, provide remarks, and manage appointments.

Admin Analytical Dashboard:

- Admins can access a dashboard showing the number of reports, appointment requests, and recent activity logs.

3.2. Non-Functional Requirements:

System Performance:

- The system should handle multiple concurrent users efficiently, ensuring quick load times and minimal latency, especially during peak usage periods (e.g., when many students submit reports).

Security:

- Sensitive data, such as student information and internship details, must be encrypted and protected against unauthorized access. The system should comply with data protection regulations.

Usability:

- The user interface should be intuitive and easy to navigate, providing clear instructions

for students and admins to complete tasks with minimal effort.

Scalability:

- The system should be scalable to accommodate a growing number of users, reports, and appointments without compromising performance.

Reliability and Availability:

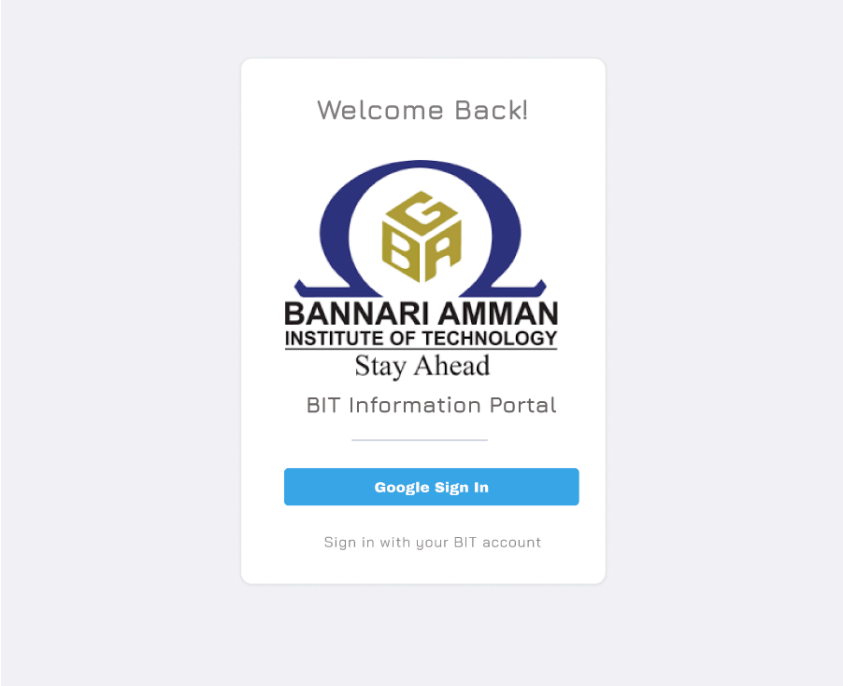
- The system should maintain high availability, with minimal downtime, and ensure that data is consistently saved and retrievable, even in the event of a system failure.

Stack:

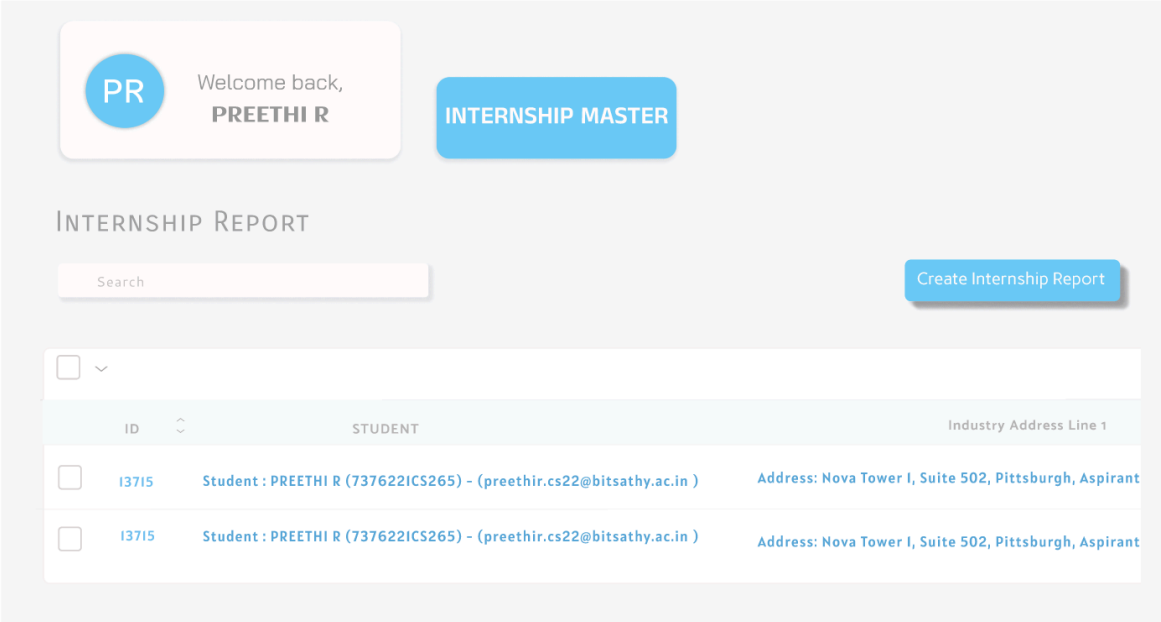
Front End	React js
Backend	Node Js, Express
Data Base	MongoDB

Prototype of the Project:

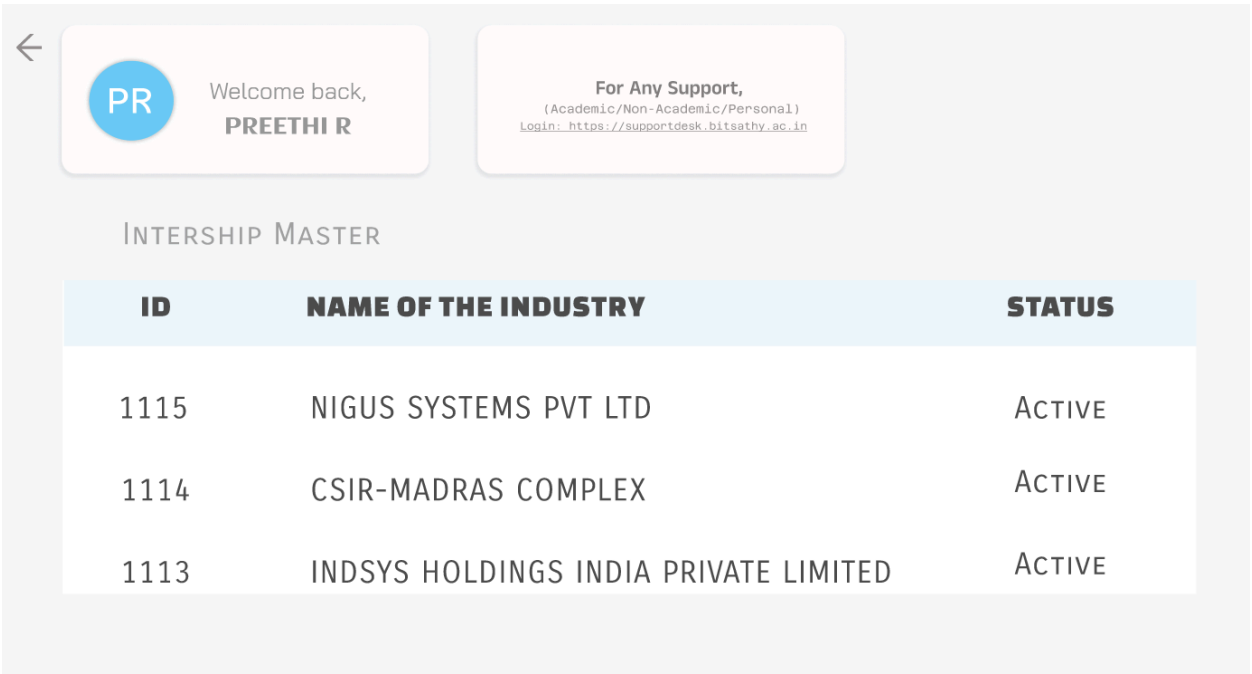
1. Login form



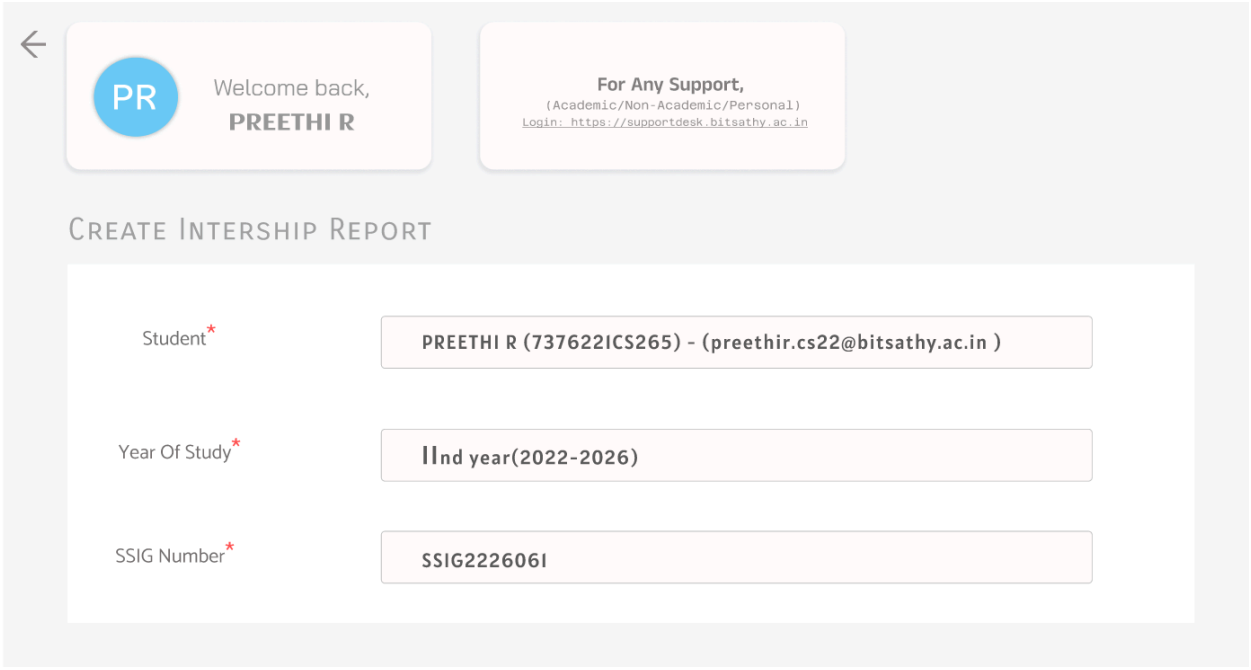
2.Internship report student view:



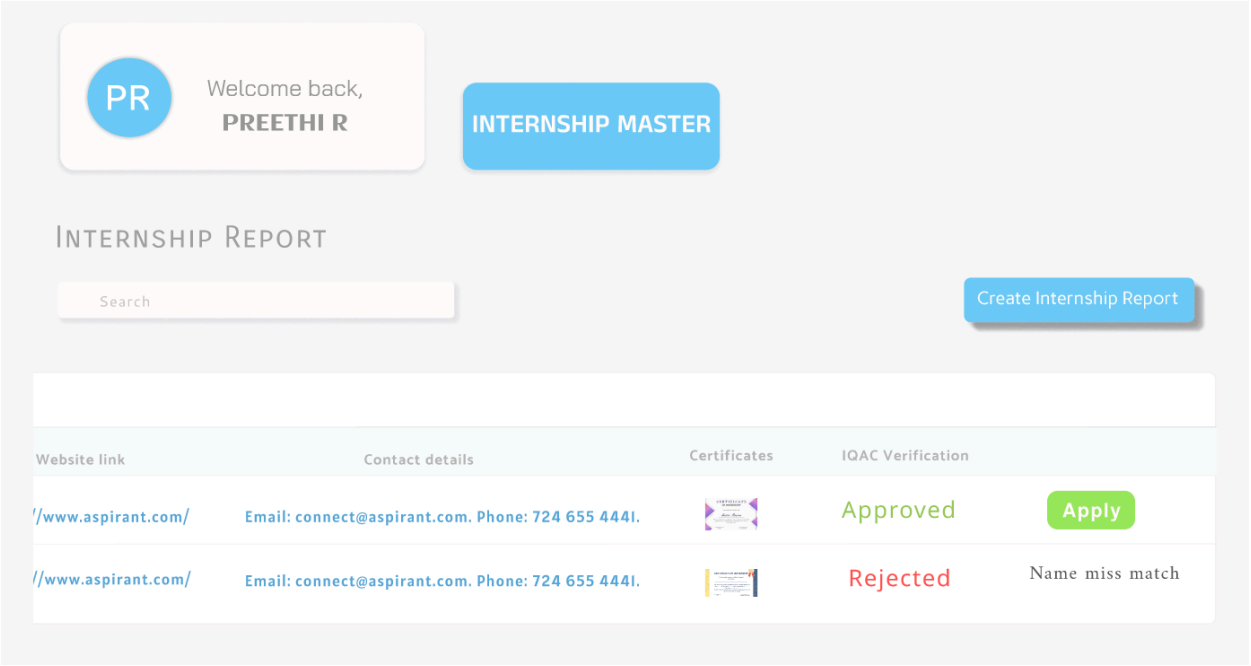
3.Internship master



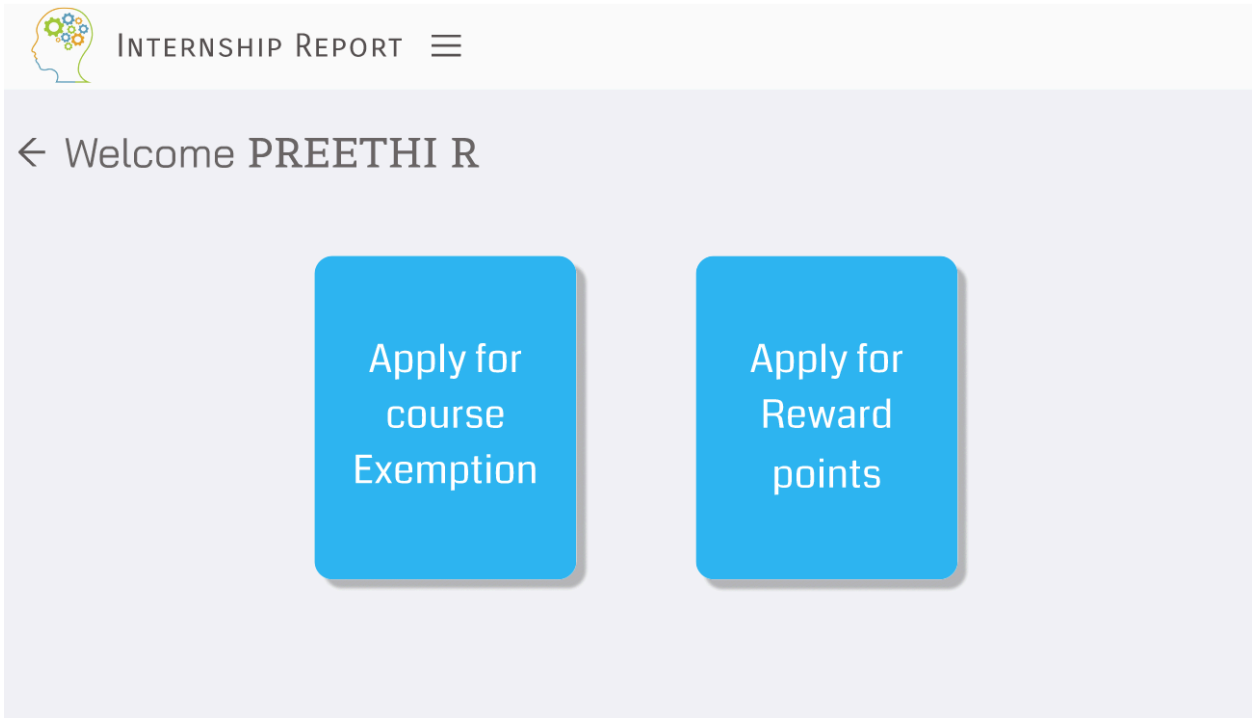
4.Create internship report



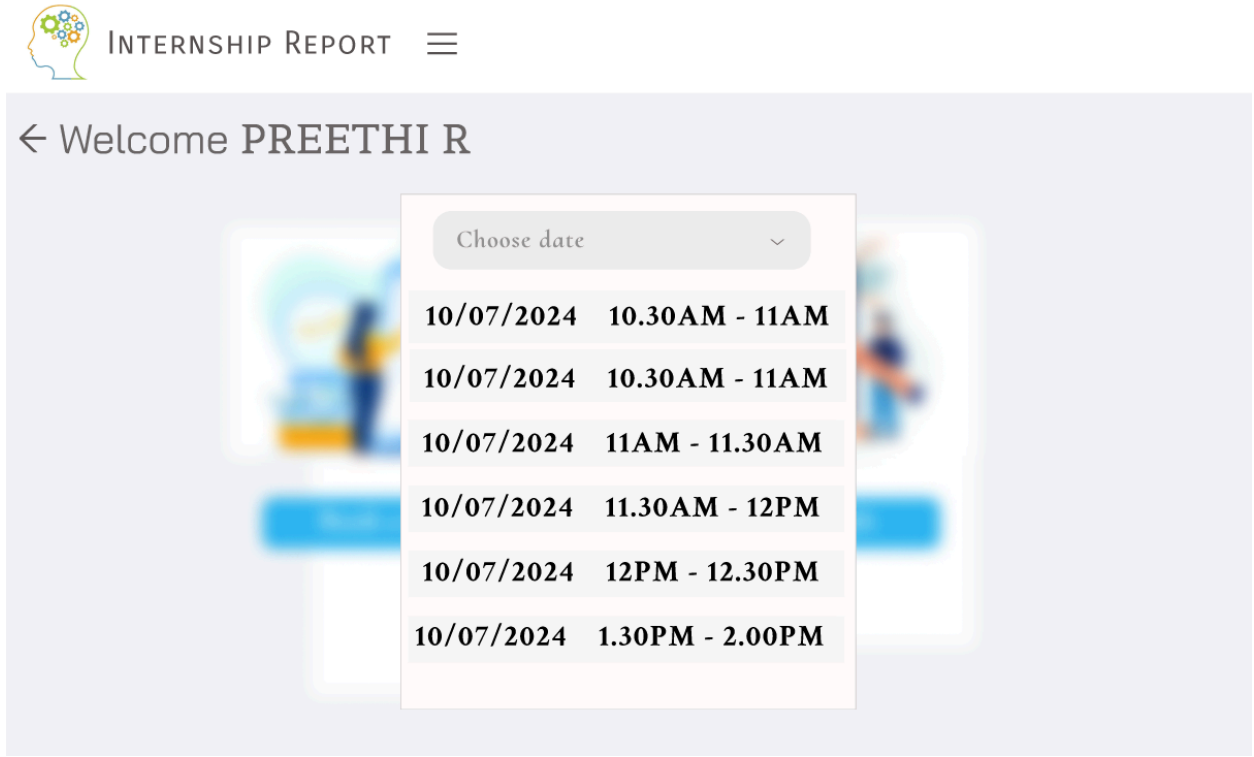
5.Approval Status



6.Course exemption or Reward points

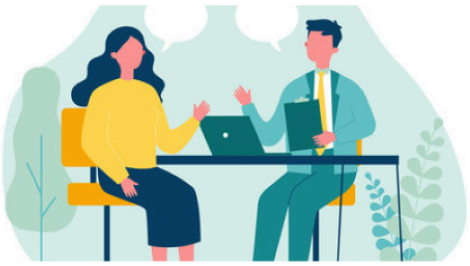


7.Course exemption or reward points appointment booking



INTERNSHIP REPORT

← Welcome PREETHI R

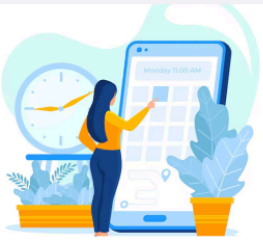


10/07/2024	10.30AM - 11AM
VENUE	SF Seminar hall -1
PREETHI R	9767375639

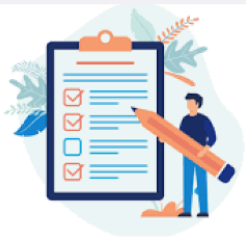
8.Status

INTERNSHIP REPORT

← Welcome PREETHI R



Book a Slot



See Result

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