

Technical Assignment

Intern - Full Stack Engineer

Build a basic **Employee Management Module** as part of an Employee Management System using the given tech stack.

Tech Stack:

- **Backend:** Node.js with Express.js, MongoDB, or MySQL.
- **Frontend:** React.js or NextJs with Tailwind CSS.

Requirements:

Build a system with the following features:

1. Add Employee:

- A form to input employee details:
 - Name (Required)
 - Email (Required, must be unique)
 - Position
 - Contact Number

2. Edit Employee:

- Ability to edit any existing employee details.

3. Delete Employee:

- Delete an employee from the system.

4. List Employees:

- Display all employees in a table.
- Columns: Name, Email, Position, Contact Number, Actions (Edit/Delete/View).

5. Manage Personal Documents:

- Allow users to upload and update documents:
 - NIC
 - Birth Certificate
 - Education Certificates

6. API Integration:

- Create RESTful API endpoints for the above functionalities.

Bonus Points:

- Use file upload functionality to save employee documents (e.g., NIC, Birth Certificate) and store the file paths in the database.
- Add input validation on both the front end and backend.
- Implement pagination for the employee list.

Deliverables:

1. A GitHub repository with:
 - Complete source code (backend and frontend).
 - A README file explaining:
 - How to run the project locally.
 - Description of the solution.
 - API endpoint documentation (if applicable).
2. Ensure the code is clean, modular, and follows best practices.

Evaluation Criteria:

- **Code Quality:** Clean, readable, and well-structured code.
- **Functionality:** All core features should work as described.
- **UI/UX:** A simple and clean user interface.
- **Creativity:** Bonus features or enhancements beyond the core requirements.
- **Documentation:** Clarity and completeness of the README file