|  |  |
| --- | --- |
|  | Software Solutions |

 

|  |  |
| --- | --- |
|  | **Learning Management System** |
|  |  |
|  | Deepthi  Java Full Stack with React/Angular OR MEAN OR MERN OR MEVN |

## App Development - Overview

The application will automate the entire learning and mentoring process at TechnoElevate. As part of this assessment you need to use

* MySQL DB to store the Data or Mongo DB
* Java – Backend or Node/Express - Backend
* Angular/React - Frontend

## App Development - Description

1. Create a database by name “LMS”
2. Create the following tables with required and relevant fields–

employee\_primary\_Info, employee\_secondary\_info, employee\_education\_info, employee\_address\_info, employee\_back\_details, employee\_experience\_info, employee\_technicalskills\_info, employee\_experience\_info, employee\_contact\_info

batch\_details, mock\_details

mentor\_details

|  |  |
| --- | --- |
|  |  |

Please note: You can create additional tables if required, Refer DB Design

App Development – Functionalities

There are 3 major users of the application -

1) Admin

2) Mentor

3) Employee/Trainee

1. **Admin**

Admin has the following major functionalities –

* Manage Batch (Create, Edit, Delete and Search)

Batch details includes Batch ID, Batch Name, Mentor Name, Technologies, Start and End Date, Status (To be started, In-progress, Completed)

* Manage Mentor (Create, Edit, Delete and Search)

Mentor details includes Mentor Name, Employee ID, Email ID, Skills

* Approve/Reject Registration Request

The Admin will receive a request when every employee/trainee registers for the first time. The discretion of approving or rejecting is with Admin. When an approval is provided, Batch Name and Batch ID needs to be selected relevantly for the employee.

* Search Mentor/Employee Details

The Admin should be able to do a global search wrt the mentor or the employee details

Reference Link: https://xd.adobe.com/view/d3531e20-d9d1-4509-b10c-b5a1779d4bcd-8600/

1. **Mentor**

As soon as the mentor logs-in, he/she is prompted to reset the password. This will be successful only if the auto-generated password (in the email) is entered.

* Dashboard

The Mentor Dashboard has the following statistics drawn, after a Batch name is selected from the drop-down, in various formats:

* Gender (Pie-chart)
* Year of Passing (Column Chart)
* Experience (Column Chart)
* Degree (Bar Graph)
* Batch Performance(Pie-chart)
* Search Employee details
* Edit the Status of the Employee (absconded, terminated, active) by stating the reason in the pop-up
* View Batch details which includes, Batch ID, Batch Name, Technologies, Start Date, End Date, Status, Batch Strength
* Take Attendance (for a particular day)

An auto-generated email can be sent to the employee/trainee on the weekly attendance

* Create Mock (Mock No., Technology, Panel, Date and Time)
* Provide Mock rating (Mock type, Mock Taken by, Technology, Practical Knowledge and Theoretical Knowledge, Overall Feedback, Detailed Feedback)

An auto-generated email can be sent to the employee/trainee on the mock performance

* View each employee performance in the form of a line graph for various mocks
* Download Employee Data, Attendance Data, Mock Data in the form of excel

Reference Link: <https://xd.adobe.com/view/7c759877-9b02-43d0-91c8-d83c4e855bea-2926/>

1. **Employee/Trainee**

As soon as the employee/trainee logs-in, he/she is prompted to reset the password. This will be successful only if the auto-generated password (in the email) is entered.

* Dashboard

Attendance – Morning and Afternoon sessions attendance will be tracked

Mock/Re-mock (Bar Graph)

* Add/Edit the following details:

Primary Info, Secondary Info, Education Details (Multiple entry), Address Details (Multiple entry), Bank Details, Technical Skills (Multiple entry), Experience (Multiple entry), Contact (Multiple entry)

Reference Link: https://xd.adobe.com/view/4f9575c5-4e3e-483f-9f67-a7d8d2bf0567-1ac6/