

## **S8 PROJECT WORK - II**

### **PS380 - Student Transfer Certificate (TC) Management and Distribution Portal**

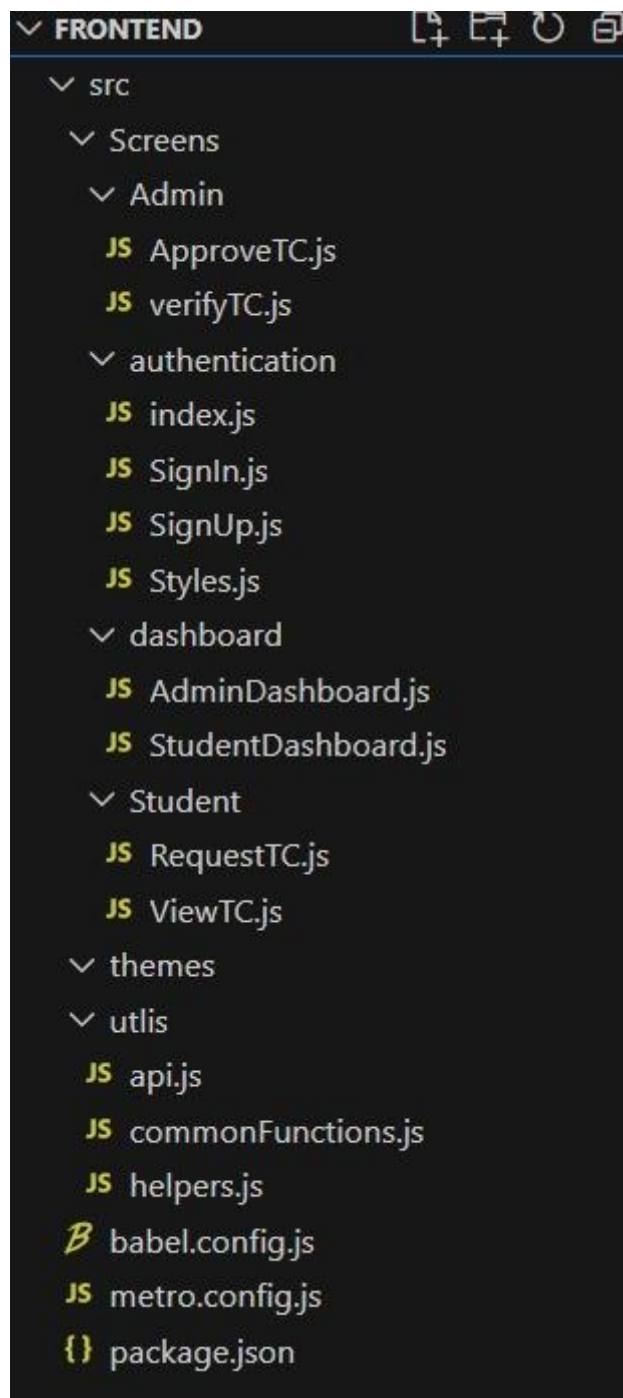
#### **AIM**

The aim of this project is to develop a Student Transfer Certificate (TC) Management and Distribution Portal that streamlines the process of requesting, approving, and issuing transfer certificates digitally. This system reduces paperwork, enhances transparency, and ensures efficient communication between students and administrators.

#### **OBJECTIVE**

- 1. User Authentication & Authorization:** Implement secure login and role-based access control for students and administrators.
- 2. TC Request Management:** Allow students to submit transfer certificate requests online.
- 3. Admin Approval & Processing:** Enable administrators to review, approve, or reject TC requests.
- 4. Digital TC Distribution:** Provide students with digital copies of approved transfer certificates.
- 5. Status Tracking:** Allow students to track the progress of their TC requests in real-time.
- 6. Email Notifications:** Notify students and administrators about request updates via email.
- 7. Secure Data Handling:** Implement robust database management to ensure security and integrity.

## BOILERPLATE STRUCTURE



EXPLORER

▼ **BACKEND**

▼ config

**JS** authconfig.js

**JS** db.js

▼ controllers

**JS** admincontroller.js

**JS** authcontroller.js

**JS** studentcontroller.js

▼ middleware

**JS** authMiddleware.js

> models

▼ routes

**JS** adminroutes.js

**JS** authroutes.js

**JS** studentroutes.js

▼ utils

**JS** emailservice.js

**JS** validation.js

⚙ .env

{ } package.json

**JS** server.js