



# BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution Affiliated to Anna University - Chennai, Accredited by NAAC with A+ Grade

Sathyamangalam - 638401 Erode District, Tamil Nadu, India

**Student Name:** DINESH ARJUN P

**Seat No:** 402

**Project ID:** 2

**Project title:** TRAINING PERFORMANCE TRACKER

## Technical Components

Component	Tech Stack
Backend	Python,Django
Frontend	HTML,CSS,JS
Database	MySQL,PostgreSQL
API	Open AI,Soap APIs,REST Ful API

## Implementation Timeline

Phase	Date	Status	Notes
Stage 1	May 4, 2024	In progress	Planning and Requirement gathering
Stage 2		Not started	Design and Prototyping
Stage 3		Not started	DB Designing
Stage 4		Not started	Backend Implementation
Stage 5		Not started	Testing & Implementation

## **PROBLEM STATEMENT:**

### ***TRAINING PERFORMANCE TRACKER:***

Creating a Tracker to track the Students Performance from First Day to the Very Last Day  
Based on his/her Knowledge, Skill, Attendance, Performance and the Very main thing Discipline  
Activity and to Categorize the Student based on his/her Special Skills

## **PROJECT-FLOW:**

### **Purpose:**

Students cannot be categorized easily for our need Because of non-usage of Tracker.  
This Tracker helps to categorize student and we can pick the Very Best students based on  
His/her 4 years performance

### **Features and Functionalities:**

#### **User Authentication:**

- Users can log in using their BIT Sathy mail ID for authentication or the Giver Parents Mail ID. This ensures that only students, faculty members and Parents of the BIT Students can access the portal.

#### **Dashboard:**

- Students Dashboard displaying his/her College Performance to him/her as well to his/her Parents ensuring his/her abilities can be measured by him/her. So that He/She can plan and improve accordingly
- He/She can Upload his Certificates of His Achievements, Progress in Programming Language or Technology to Showcase his/her Talent
- Ensuring Dashboard is easy to Understand and need to display More Precise Information.

#### **Faculty Verification:**

- Respective Faculties need to verify the Students Certificates which He Uploaded in Tracker Website and Rate him/her out of 10 based on his Attendance and Performance

### **Anonymous Viewing by Management Team:**

- Complete Dashboard of Every BIT Student is Visible to Management Team to Support his/her Curriculum.

### **ADMINS Access:**

- Admin has the Access to Complete Dashboard of every Student as well as has the Option to Categorize the Student based on his Skills
- This Option will easily Select the Best Student on the Needed Sector

### **Data Security and Privacy:**

- Ensure that the portal complies with data security and privacy regulations to safeguard the sensitive information of the users.
- Implement measures such as encryption, access controls, and regular security audits to protect the integrity of the portal.

### **User personas:**

- Student
- Faculty
- Admin Staff
- Management
- Parents

### **Functional Requirements:**

- **User Authentication:** Secure login using BIT Sathy mail ID for students, faculty and Parents.
- **Faculty Verification:** Access to Verify the Students Proof and Rate Him/Her out of 10
- **Anonymous Viewing by Management:** Management can view Dashboard anonymously to maintain confidentiality of Students Info.
- **Automatic Updates on Skills Rating:** Status updates when Student Upload his/her Skill in Tracker Website.
- **Search and Filter Functionality:** Admin can search and filter Student based on keywords, date, category.
- **Admin Dashboard:** Dashboard for administrators to Search and Filter and Visibility of Students Performance
- **Data Security and Privacy:** Compliance with data security regulations, including encryption and access controls.

FLOW CHART:

