

T-Assist Application Requirements

Project Terminology:

- Time Table: The schedule of classes set for Teachers and Students
- Calendar: The Calendar view of Major Events, Holidays etc
- Lesson Planner: AI Feature to help generate Lesson Plan for a Topic
- Assignment/Handout Generator: AI Feature to Generate the following
- Context Builder: AI Feature to Generate Context for introducing a topic
- Applications in Real Life: AI Feature to give examples for AIRL for the topic
- Topic Explanation: AI Feature to Explain a Topic using different methods
- Review Questions Generator: AI Feature to Generate Qns on a Topic
- PDFChatAI: AI Feature to Chat with a Book/Chapter/PDF
- Quiz: A Test Feature to conduct Quizzes Online in App
- Assignment: A Feature for the Teacher to give Assignment by uploading the document and students submit in App by Scanning or Typing
- Exam: A Term used to define Offline Exams conducted and store that Information
- Broadcast Message: A Feature for Admins/Teachers to Send a Message to a specific group in their Notifications Tab
- Direct Query: A Feature for Students/Parents/Teachers to send a direct Message to a single Person and receive one reply to it
- Remedial Plan: A Feature for Student/Teacher/Parent to Generate Notes/Review Question Papers for a specific student based on their History of Quizzes/Assignments/Exams and Teachers Evaluation
- Teachers Evaluation: A Feature that can be set up the Super Admin how often the evaluation is done. And Allows teachers to note Extracurricular Activities and Other Notes on Students Progress and Marks for the students for that time period.
- Super Admin: A User that sets the main User Roles and Module Access and Major Setting for the School
- Admin: Users that can include Principal, Office Staff, HOD, School Admin etc
- Teacher: A User that can Access the Teacher Profile and Features
- Student: A User that can Access the Student Profile and Features
- Parent: A User that is the Parent of a Student(s) and can access their details

Admin Account:

- Email
- Name
- Password
- School ID
- School Name
- Roles:
 - Super Admin
 - Accountant Admin (For Managing Fees and Billing)
 - School Admin (Manage Students/Classes etc..)
 - Editable Admin Accounts (Select Modules that can be accessed)
- Modules:
 - Add Teacher Account (Bulk Add)
 - Add Student Account (Bulk Add / Manually Assign Classes)
 - Broadcast Messages to School (Group Basis)
 - Edit Banners (School Logo Details)
 - Calendar (add Holidays. Events)
 - Manage Transport Buses/Routes (Phase 2)
 - Fees Management (Phase 2)
 - Time Table Generator (Phase 2)
 - ID Card Generator
 - Manage Panels (Warranty Details/Book Service)

Teacher Account:

- Email
- Name
- School ID
- Password
- School Name
- Mobile Number
- Classes (List of Classes)
- Subjects (List of Subjects Teaches)
- Class Teacher (Class with Division)
- Modules:

- Broadcast Messages (File) to a Class
- Private Message with Student for clearing Query
- Notifications Tab (Showing from Admin/Students etc)
- View and Edit Profile (Classes/Photos)
- Lesson Planner (Generate it for Each Topic (Chapter) in a Class)
- Assignment/Handout (Generate and Save)
- Context Builder (Generate and Save)
- Application in Real Life (Generate and Save)
- Chat with Book (Chat with a Chapter/Book; Ask Queries)
- Generate Questions on a Topic
- In App Quiz Generator:
 - Question Suggestions with AI
 - MCQ, Text, and in-Video Question Types
 - Generate Reports of Students (Areas of Focus, etc)
- Add Class Specific Calendar Entries
- View Students Reports of Each Class
- Remedial Plan Generator (For Struggling students)
- Certificate Generator
- Teach using Multimedia Repository
- Attendance Marking

Student Account:

- Email
- Name
- Password
- School ID
- School Name
- Mobile Number (If Any)
- Class
- Division
- Subjects (List of Subjects with Class ID/Teacher)
- Modules:
 - Chat with Book/Chapter
 - Generate Review Questions (Generate Answers as Second Step)
 - Topic Explanation (AI Explain a Topic)

- Essay Evaluation (AI Evaluate & give suggestions to better the Essay)
- View and Edit Profiles/Classes/Photo
- Notifications Tab (From Admin/Class/Teacher)
- Assignment Section in Each Class to View and Submit and Review
- Quiz Generator: (in Each Class to Attempt and Review; Timed and Marked / untimed and reviewing)
- Transport Bus Details (Phase 2)
- Attendance Reports
- Fees Management (Breakdown and Online Payment Option)(Phase 2)
- Report Card Details View and Target/Remedial Direction
- View Remedial Plan if Generated
- Generate Review Quiz/Notes According remedial plan
- View Books/Guides and Teacher Approved Notes in Each Class
- Direct Message a Teacher for a Query in a Class
- View Multimedia Repository of Each Class
- View Calendar
- View Time Table

Parent Account:

- Email
- Name
- Password
- School ID
- School Name
- Mobile Number
- Child ID(s)
- Modules:
 - View Child(s) Attendance (Receive Notification if not present)
 - View Child(s) Report Cards
 - View Child(s) Calendar
 - View Child(s) Time Table
 - View Child(s) Fees Details and Make Payment (Phase 2)
 - View Child(s) Transport (Tracking) (Phase 2)
 - View Child(s) Calendar

Special Cases to Take Care of:

- Parents with more than 1 Child
- Admin Roles and Access to all Modules
- Attendance in Each Class and (Half Day Attendance Marking Cases)
- Don't Repeat while generating Questions (For Teacher; Maintain History)
- Note Page/Topic while Generating Questions for Creating Remedial Plan
- All Files Teacher Uploaded in a Class; Next year List the same files as drafting for reusing and reposting in next year's class
- Only Soft Delete Option

Modules to be Added Later On:

Phase 2:

- Automatic Time Table Generator with Approval by Admin Feature for confirmation
- Automatic Exam Time Table Generator

Phase 3:

- Time Table Generation for Teachers and Students
- Class Promotion Special Cases (Division Allotment based on Different Strategies/Give Suggestion to Admin to approve):
 - o Equal Quality of Students
 - o Random Shuffle
 - o Same Division
- Live Broadcasting of IP to Students (Online Class)
- Peer to Peer Learning Matching for (Similar Remedial Plans/Connect with Topic Toppers)
- Gamification of Quizzes/Review Qns for Interactive Learning
- Modules separation for Basic and Pro Versions
- Generate High Quality Presentation