# ****JIZZ (Journey To Inspire, Zoom, and Zeal)****

**Development Timeline**

## ****February - Core Learning & Setup****

### ****February 8 – Understanding MERN Stack & Feature Breakdown****

* **Tasks:**
  + Learn MERN basics (MongoDB, Express.js, React.js, Node.js).
  + Study OAuth Authentication (Google/College Email Login).
  + Break down key features from the synopsis and understand implementation requirements.

### ****February 15 – UI/UX & React Basics****

* **Tasks:**
  + Learn React.js Fundamentals (Components, State, Props, Hooks, Routing).
  + Design wireframes for User Profiles, News Feed, Messaging UI using Figma or anything else.
  + Build Landing Page & Authentication UI in React + Tailwind CSS.

### ****February 22 – Authentication System (OAuth & JWT)****

* **Tasks:**
  + Learn OAuth Authentication, JWT, and Secure Sessions.
  + Implement User Signup/Login API (Using OAuth with College Email).
  + Set up MongoDB User Schema with Role-Based Access (Student, Faculty, Alumni).

### ****February 29 – User Profile & Database Structure****

* **Tasks:**
  + Learn MongoDB Schema Design & CRUD Operations.
  + Implement User Profile Creation & Edit API.
  + Learn State Management (Redux/Context API) for Profile Data.

## ****March - Feature Expansion & Backend Strengthening****

### ****March 7 – News Feed & Post System****

* **Tasks:**
  + Learn REST API Development (Express.js, Mongoose, MongoDB).
  + Implement Post Creation, Liking, Commenting APIs.
  + Develop News Feed UI (Fetching & Displaying Posts).

### ****March 14 – Real-Time Messaging System****

* **Tasks:**
  + Learn WebSockets & Socket.io for Real-Time Communication.
  + Implement Direct & Group Chat API with WebSockets.
  + Build Messaging UI with Notifications.

### ****March 21 – Event Calendar & RSVP System****

* **Tasks:**
  + Learn Event Handling & Notifications (MongoDB, Node.js, React Calendar Integration).
  + Implement Event Creation API & RSVP System.
  + UI for College Event Calendar with Filters & Notifications.

### ****March 28 – Groups, Communities, and Peer Collaboration****

* **Tasks:**
  + Learn Role-Based Access Control (RBAC) for Groups.
  + Implement Group Creation, Joining, Discussion Features.
  + UI for Discussion Forums, Document Sharing & Announcements.

## ****April - Unique Features & Enhancements****

### ****April 4 – Marketplace & Skill Exchange****

* **Tasks:**
  + Learn MongoDB Aggregation & Search Filters.
  + Implement Product Listings & Moderation System.
  + Build Skill Exchange Platform for Peer Learning.

### ****April 11 – Gamification & Anonymous Confession Board****

* **Tasks:**
  + Learn Gamification Techniques (Points, Badges, Leaderboards).
  + Implement Anonymous Confession Board with Moderation.
  + UI for Leaderboards & Gamified Achievements.

### ****April 18 – Testing & Debugging****

* **Tasks:**
  + Learn API Testing (Postman), Unit Testing (Jest, Mocha).
  + Debug & optimize backend & frontend performance.
  + Fix security vulnerabilities (JWT expiration, CSRF protection, rate limiting).

### ****April 25 – Beta Testing & Final Fixes****

* **Tasks:**
  + Conduct user testing within your college.
  + Collect feedback, fix UI/UX issues, and enhance performance.

## ****May - Finalization & Deployment****

### ****May 2 – Deployment & Report Writing****

* **Tasks:**
  + Learn Vercel/Render Deployment + MongoDB Atlas Hosting.