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**CLASS:** MSC AIML ( 3rd year - 5th sem )

**ROLL NO:** 71762234011

**SUBJECT:** FULL STACK DEVELOPMENT LAB ( 19MAM57 )

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**TITLE:** TRAVEL TOES – A TRAVEL EXPENSE MANAGER

**ABSTRACT:**

"TRAVEL TOES" is a travel expense management application that helps users plan and track their travel budgets with ease. The app features a user-friendly interface with login and signup options, followed by a home page where users can input travel details like destination, total budget, and duration to generate an expense planner. The expense tracker allows users to log daily expenses, categorize them, and visualize their spending through charts. A budget management page helps users monitor their remaining budget, can set limits and track spending progress with a visual progress bar. Additionally, users receive helpful tips for better expense and budget management throughout the application.

**MODULES :**

****1. User Authentication Module:** Login and SignUp**

****2. Expense Tracking Module:** CRUD and total expense calculation**

****3. Budget Management Module:** CRUD and total budget calculation**

****4. Expense Planner Module:** Create and generate expense planner**

****5. Downloadable Reports Module**:** In PDF form

**6. Visualization Module:** Line chart , Pie chart

****7. Tips Module:** Better expense and budget management**

****8. Budget Alert Module**:** When spent above the budget limit

**SOFTWARES USED:**

****1. Frontend****: React.js, HTML, CSS, React Router

****2. Backend****: Node.js, Express.js, JSON Web Tokens(JWT)

****3. Database****: MongoDB, Mongoose

****4. Charting Libraries****: Chart.js

****5. Others****: Git, jsPDF