**Team name**: Tech Titans

**Project name**: Trip Planner

**Description**: A web-based trip planner to help users choose popular places and food in different states. The platform will provide recommendations based on user preferences, display travel itineraries, maps, and must-visit locations, and include filtering options based on budget, type of trip, and duration.

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| Name | Role |
| 1.Jai akash.v | Team Leader |
| 2.Mukeshkumar.p | Developer |
| 3.Rabin kumar .r | tester |
| 4.Sarath raj .D | developer |
| 5.Vimal raj.P | designer |
| 6.Samraj.m | designer |
| 7.Srijith kumar | designer |
| 8.Rahul . R | tester |
| 9. Mohammed suhail. S | tester |
| 10.yuvaraj . T | Business Analyst |

Scope:

* A web-based trip planner to help users choose popular places and food in different states.
* Provides recommendations based on user preferences.
* Displays travel itineraries, maps, and must-visit locations.
* Includes filtering options for budget, type of trip, and duration.

Requirement gathering:

* **User Needs:** Easy-to-use interface for selecting destinations and food options.
* **Features:** State-wise attractions, food recommendations, and trip customization.
* **Technology Stack:** HTML&CSS for frontend, Node.js for backend, MongoDB for database.
* **Data Sources:** From Google, ChatGPT, Llama 3.1.
* **User Authentication:** Signup/Login for saving trips and preferences.
* **Used Survey methadology**

**Technical Specifications:**

* **Frontend:** HTML, CSS, JavaScript
* **Backend:** Node.js with Express
* **Database:** MongoDB Atlas
* **Code editor:** Vs code

**Budgeting and Resource Planning:**

* **Overall Budgeting:** Defined based on hosting, development, and maintenance costs.

**Architecture:**

**3-tier architecture:**

* Presentation Layer (Frontend)
* Business Logic Layer (Backend)
* Data Layer (Database)

Resource allocation:

* **Team Leader (Jai Akash V)** – Oversees project progress, assigns tasks, and ensures deadlines are met.
* **Developers (Mukeshkumar P, Sarath Raj D, Jai Akash V)** – Work on frontend and backend development.
* **Designers (Vimal Raj P, Samraj M, Srijith Kumar)** – Create UI/UX designs and improve user experience.
* **Testers (Rabin Kumar R, Rahul R, Mohammed Suhail S)** – Conduct testing, bug fixes, and ensure performance optimization.
* **Business Analyst (Yuvaraj T)** – Gathers requirements, analyzes user needs, and ensures alignment with project goals.

Work Breakdown Schedule

A screenshot of a computer

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Scheduling:

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