# EVAT (Electric Vehicle Adoption Tool)

Let’s set you up for the launch!

EVAT is an Android application designed to help users find nearby EV charging stations, whether in Victoria or nationwide. The app will cater to users’ specific needs and include features such as a map, trip planner, Saves, and a Me page.

**Important Note:** This is an intensive unit, so it is advised to upskill continuously whistle contributing throughout the trimester 3.

## 1. EVAT App Team

### 1.1. Leadership

* **Senior Leader**: Sonam Chewang DORJI
* **Junior Leaders**: 2 slots available. If you are proactive and eager to learn, please reach out to me at [s222575318@deakin.edu.au](mailto:s222575318@deakin.edu.au) Junior leaders will transition into senior leaders for Team Project B. provided you successfully demonstrate your project management skills to your best interest.

### 1.2. Tech Stack and Tools

1. **Project Management**:
   * We will use the same MS Planner for both the data science and app teams.
   * Link to MS Planner: [T3 EV Adoption Tool Project - Planner](https://planner.cloud.microsoft/deakin365.onmicrosoft.com/en-US/Home/Planner/#/plantaskboard?groupId=e3287a01-07dd-4a7a-bb27-b8bb1ac221e8&planId=QPo8FDS_RkiZwLZ2yyNy7MgAEK4j)
2. **Prototype of EVAT App**:
   * The design showcased in the link is a collaborative effort by the team members from Trimester 2. Please look and if you have relative experience and want to further refine the designs, making them crisper and more user intuitive to ensure a proper flow please reach out and I will provide ‘edit’ privilege. consequently, choose the designs you want to work on to sharpen your frontend skills. [Link](https://www.figma.com/design/RuLbFYPFVYuPjXaayV2WQs/EV-Adoption-Tool-Prototype?node-id=0-1&node-type=canvas&t=JYzhEw8ICnrrdgMu-0)
3. **Google Maps Cloud Platform**:
   * We will integrate various advanced API services from Google Maps Cloud Platform into our app.
   * GCP services are available for Capstone projects, and access requests must be submitted to our Acting Company Director.
4. **Android Studio**:
   * Required for viewing live changes to your code using an Android emulator.
   * Download Android Studio: <https://developer.android.com/studio>
5. **React Native**:
   * Used for frontend development.
   * [Set Up Your Environment · React Native](https://reactnative.dev/docs/set-up-your-environment) setup.
6. **GitHub**:
   * Team GitHub Repository: [Link 🔗](https://github.com/Chameleon-company/EVAT-Web-Application)
   * Workshops will be held within the first two weeks to upskill you in GitHub.

## 2. EVAT Data Science Team

### 1.1. Leadership

* **Senior Leader**: Hue Minh Nguyen (Milly Nguyen) & John Collins
* **Junior Leaders**: Please send me messages via Microsoft Team (account Milly Nguyen) if you are interested.

### 1.2. Tech Stack and Tools

1. **Project Management**:
   1. We will use the same MS Planner for both the data science and app teams.
   2. **Link to MS Planner**: [T3 EV Adoption Tool Project - Planner](https://planner.cloud.microsoft/deakin365.onmicrosoft.com/en-US/Home/Planner/#/plantaskboard?groupId=e3287a01-07dd-4a7a-bb27-b8bb1ac221e8&planId=QPo8FDS_RkiZwLZ2yyNy7MgAEK4j)
2. **Google Maps Cloud Platform**:
   1. We will integrate various advanced API services from Google Maps Cloud Platform into our app.
   2. GCP services are available for Capstone projects, and access requests must be submitted to our Acting Company Director.
3. **GitHub**:
   1. For version control.
   2. **Team GitHub Repository**: [Link 🔗](https://github.com/Chameleon-company/EVAT-Data-Science)
   3. GitHub instructions: [Link](https://deakin365.sharepoint.com/:w:/s/Chameleon2/Eb2lea-O_w5BoPklFoTAmKgBYT-bqgW96X7irpmPXieuxQ?e=JPCiFa)
   4. Workshops will be held within the first two weeks to upskill you in GitHub.
4. Programming language:
   1. The main programming language in the project repo is Python
   2. **IDE**: You can use Google Colab, Jupiter, etc based on your reference
   3. Others tools: PowerBI
5. Database
   1. MongoDB
   2. Database description: [Link](https://deakin365.sharepoint.com/:b:/s/Chameleon2/EVRGVte1Q_tJo8oQYOePngQBqeaond-PacIbEZG3gM0-oA?e=XCajod)
   3. **NOTE**: The database link in the database description is wrong (I can't not fix it as this has been done by other in previous semester). Please use the link mongodb+srv://EVAT:<password-in-the-doc>@cluster0.5axoq.mongodb.net/ instead
6. Deployment
   1. Docker Hub: Store Docker image
   2. AWS: The current backend is deployed on AWS but should be migrated to GCP this semester

## Final Note

Good luck! Please ensure you complete the other onboarding checklist in your respective MS Planner before the first weekly meeting. If you have any questions or need further assistance, feel free to reach out to the senior leaders