**Project Goals:**

\* *Develop a website that empowers users to estimate the lifetime carbon footprint of their belongings based on object details and maintenance practices.*

*\* Integrate an AI-powered chat-bot to answer user questions related to bioheritage, including local species, historical sites, and conservation efforts.*

*\* Gamify the user experience by awarding points for reducing object footprints and showcasing user progress on a leader board.*

*\* Raise awareness about sustainable consumption and the importance of bioheritage conservation.*

***Technical Breakdown:***

* *Carbon Footprint Estimation Model:* Utilize machine learning to develop a model that estimates an object's lifetime carbon footprint based on user input (material, size, production year, maintenance).

***Web Development:***

* Build a user-friendly website with functionalities like:

1. Object input form
2. Footprint estimation display
3. Carbon reduction recommendations section
4. Leader board for user points
5. Chatbot interface

***AI Chatbot Development:***

* Train a chatbot using a comprehensive bioheritage dataset to answer user questions effectively.

***Team Roles:***

* ***AI/ML Specialist:*** Focuses on developing and training the carbon footprint estimation model.
* ***Web Developer:*** Builds the website user interface and integrates the different functionalities.
* ***Content Specialist:*** Curates bioheritage information and trains the chatbot with relevant data. (This role can be shared among team members)

***Presentation:***

Prepare a clear and concise presentation that highlights the problem your website addresses, its unique features (object footprint estimation, bioheritage chatbot, gamification), and the potential impact. Showcase a functional prototype of the website during your presentation.