**Project requirements**

|  |  |
| --- | --- |
| Name: | Aryan Chandra |
| Community & UN SDG(s): | Quality Education – 4, Responsible Consumption and Production – 12, Climate Action - 13 |
| Date: | 21st October 2023 |

|  |  |
| --- | --- |
| **Project Name** | EcoExplorers |
| **Functional Requirements** | |
| 1. **Carbon Footprint Calculator:** The system should offer a user-friendly carbon footprint calculator for grade 5-8 students in Saskatchewan. 2. **Data Input:** Users should be able to input relevant data, including daily activities, transportation choices, energy consumption, and dietary habits. 3. **Calculation:** The system should calculate the user's carbon footprint based on the provided data, breaking it down into categories like transportation, energy, and diet. 4. **Topic Coverage:** Provide a comprehensive range of educational content covering topics such as climate change, carbon emissions, renewable energy, waste reduction, and sustainable practices. 5. **Age-Appropriate Language:** Ensure that the content is written in language suitable for grade 5-8 students, making it understandable and engaging. 6. **Visual Content:** Include visually engaging elements such as images, infographics, and diagrams to aid comprehension. 7. **Export Data:** User should be able to export data at the end if they wish | |
| **Technical/Performance Requirements** | |
| 1. P**latform Compatibility:** The system should be accessible via iOS and Android and be compatible devices used by students in Saskatchewan. 2. **Response Time:** The system should have a responsive user interface with minimal latency to ensure a smooth user experience. 3. **Offline:** This app shouldn’t require any internet to use. | |