Year 2A YLP Project S.Y. 2023-2024
Becoming an Eco-Conscious Individual:
EcoMind Trackers," personalized mobile applications:

Feel

Imagine

Do

Share

Big questions

How can people embrace eco-friendly habits through an innovative solution?

Importance of the research

Research plays a crucial role in understanding these connections and finding innovative solutions to mitigate the harmful effects. By identifying how personal behaviors contribute to environmental issues, we can work towards fostering sustainable habits and creating a positive impact on the planet. This involves promoting awareness, education, and the adoption of eco-friendly practices to help address the challenges associated with pollution.

Objectives of the research

- The objective of the research is to understand the impact of individual activities on the environment, identify innovative practices for individuals to minimize their contribution to environmental challenges, implement a unique solution focusing on community-based initiatives, and evaluate the effectiveness of this solution in promoting sustainable behaviors.

Suggested Solutions

Waste Segregation and Recycling Initiatives
Recycling Programs: Encourage sorting trash to recycle more and reduce landfill waste.
Efficient Sorting Machines: Use machines to sort waste better for easier recycling.

- **Green Packaging and Consumption:**
Biodegradable Packaging: Promote eco-friendly packaging that breaks down naturally.
Awareness Campaigns: Teach better shopping habits to reduce waste.

- **Land Reclamation and Restoration Projects**
Tree Planting and Green Spaces: Plant trees to improve damaged land and air quality.
Reviving Unused Areas: Clean and repurpose old, polluted spaces for better use.

- **EcoMind Tracker App:**
Habit Monitoring: EcoMind Trackers use AI algorithms to monitor individual habits related to waste generation, consumption patterns, and other activities impacting land pollution.
Data Collection: They collect data on users' behaviors, including shopping choices, energy consumption, and waste generation, creating a personalized profile.
Real-time Insights
 Environmental Impact:
 Personalized Recommendations:
 Tailored Suggestions and Behavior Modification: By suggesting alternatives and eco-friendly practices, the app aims to modify user

Selected Solution

The EcoMind Tracker app boasts an intuitive and visually appealing design, encouraging users, to engage effortlessly with its eco-conscious features.

The app utilizes cutting-edge AI algorithms to track and analyze daily habits, providing real-time feedback and personalized recommendations for reducing land pollution. Its interactive challenges and gamification elements make the eco-friendly journey enjoyable, fostering a sense of achievement through badges and rewards.
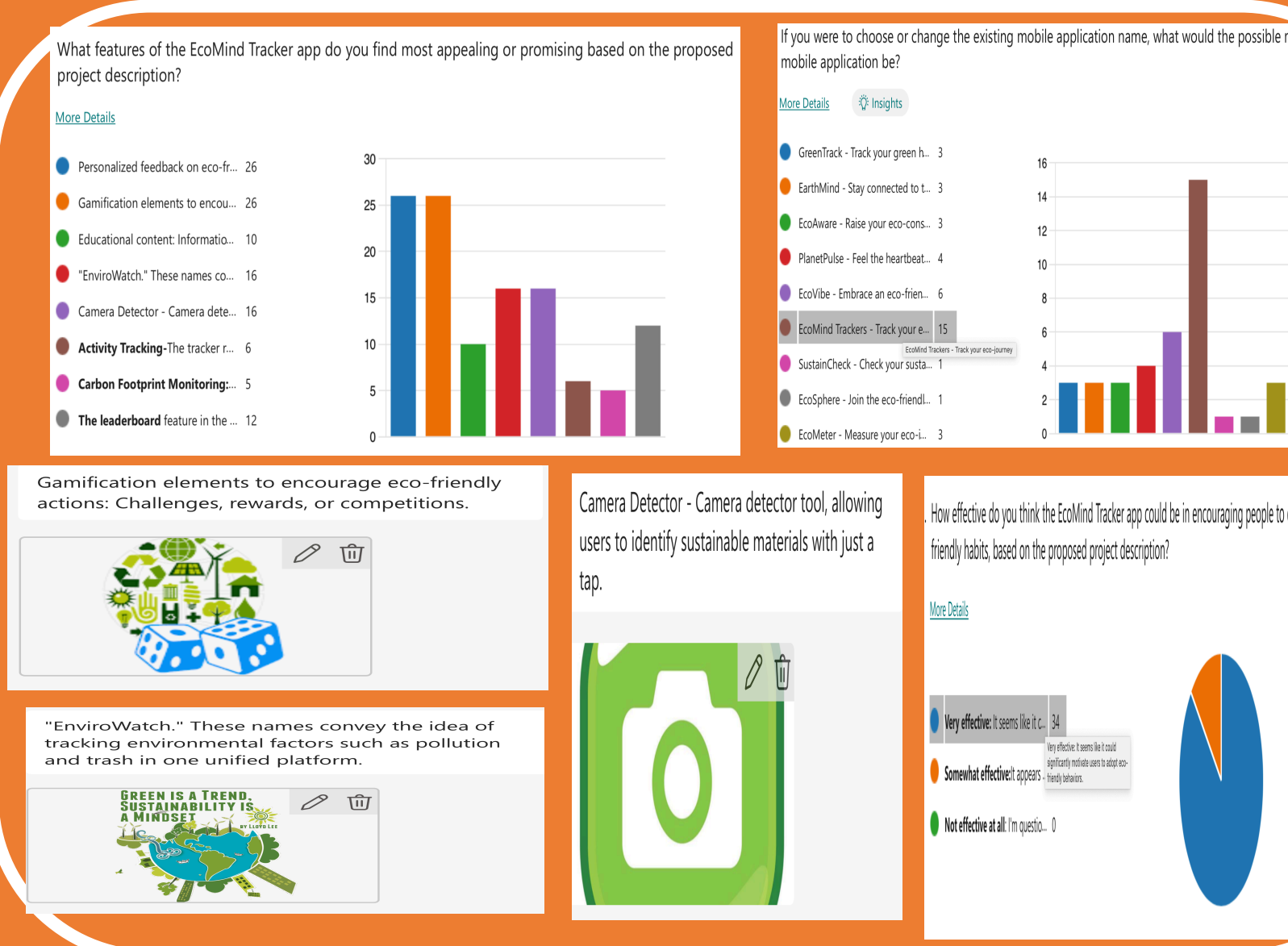
The app also serves as an educational hub, enlightening users about environmental issues and the collective impact of their actions. With a commitment to privacy, security, and continuous improvement, the EcoMind Tracker app stands as a powerful tool, shaping the next generation into environmentally responsible global citizens.

Procedures

Problem Awareness for Learners:
Equip learners with a self-evaluation checklist to assess their qualities of a sustainable lifestyle.**Community Engagement** facilitated by Deap Qatar under the leadership of Mr. Saucedo**"The Global and Local Impact of Plastic Pollution "**

Suggest Solution and Select Solution
Green Spaces and Tree Planting , Green Packaging and consumption , Waste Segregation and Recycling Initiatives and Eco Mind Tracker Mobile Application

Selected Solution: Eco Mind Tracker Mobile Application
- Conducting research on various mobile applications designed to contribute to environmental care
- **Design and Plan - Ecomind Trackers Application for Learners:**
Actively involve learners in outlining the appearance and features of the Ecomind Trackers application.Facilitate a collaborative design process where learners contribute to an application that promotes and tracks sustainable behaviors.Leverage Aura Qatar's expertise to guide learners in the creation and implementation of the designed Ecomind Trackers application.
- **Community Engagement for Learners:**
Engage learners in the community collaboration process, particularly with Aura Qatar. Aura Qatar's will share their expertise on how mobile application will be look like and put the designed plan into an application.
- **Resource Person Invitation for Learners:**
Invite a resource person to provide expertise and insights, guiding learners in developing innovative solutions by Mr. Samhat Samim (Qatar University College Professor)
-Facilitate educational sessions where the resource person will actively educate learners on creating an application using an innovative solution, aligning with their educational goals and development of the Ecomind Trackers application.

Graphs / Charts

Results & Recommendations

In conclusion, the anticipated results of this research encompass the successful implementation of the Ecomind Trackers application by learners, leading to enhanced sustainable behaviors and heightened environmental awareness; recommendations stemming from this study emphasize the integration of similar learner-centric, collaborative approaches in educational initiatives to foster lasting positive impacts on sustainable practices.

Sharing

We have shared our research findings in the different classes to make them understand that EcoMind Trackers," personalized mobile applications through **Educational Campaigns:** Visited other classes to spread awareness on Eco-Mind Tracker mobile application

Conducted a Survey to know Perspectives of the people related to the invention of EcoMind Trackers," personalized mobile applications

Future Plants:
Reach out to Mobile Application Developers in Qatar: We plan to connect with leading mobile application developers in Qatar to discuss the development of the EcoMind Trackers app.

References

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