


Team Ace - Unilag

Team Ace is working towards achieving SDG 9 & 13 with an ingenious solution to tackle the problem of the ever-increasing carbon footprint of individuals.

 Difficulté Facile

 Durée 1 heure(s)

 Catégories Électronique, Énergie, Recyclage & Upcycling, Science & Biologie

 Coût 1000 GBP (£)

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Introduction

The carbon legacy of our fossil fuel-based lifestyles is bequeathing a climate crisis to billions of people in the future. With rising sea levels, excessive heat waves, shrinking glaciers and an increase in heavy precipitation, urgent action needs to be taken to ensure this problem is not exacerbated.

People can be encouraged to take better actions for the environment when they are aware of the impact each of their actions have, and when they know the better alternatives they should take.

Matériaux

Outils

Étape 1 - Estimating User's Carbon Footprint.

Upon sign up to the ACE app, the user is asked to provide information detailing their location, estimates of gas, fuel, electricity per month. These values are used to approximate the tonnes of carbon and other CFCs emitted by the user.

Étape 2 - Generation of Climate Impact Rating Task

https://wikifab.org/wiki/Fichier:Team_Ace_-_Unilag_WhatsApp_Video_2020-12-13_at_16.42.52.mp4

Based on the data provided by users during the sign-up process, further research and analysis, ACE generates a list of Climate Impact Rating Task users can undertake for come points.

Étape 3 - The Climate Impact Rating Task and Score system

https://wikifab.org/wiki/Fichier:Team_Ace_-_Unilag_WhatsApp_Video_2020-12-13_at_16.42.53.mp4

ACE runs a Climate Impact Rating Task and Score system. This is a system that scores users for performing CIR Task. So upon the completion of a task, users are awarded. After providing users an estimate of their carbon footprint, ACE generates a Climate Impact Rating Task (CIR) list. This list contains eco friendly tasks users must undertake to help the environment. Upon completing the tasks, the user gets a CIR score. The CIR Score is a reward system that rewards users for undertaking Climate friendly activities.

Étape 4 - The Use of the Climate Impact Rating Task (CIR) Score

Team Ace recognizes the need for everyone to take decisive actions towards environmental protection. ACE provides an opportunity for everyone to take such actions and get rewarded for such actions. The CIR score is designed to be a global benchmark to determine an individuals positive contribution to a safe environment. Thus, the requirement of a CIR score is to be infused into certain areas of our lives, from University admission, to employment, to immigration.

Étape 5 - Effect of Implementation

The successful implementation of ACE first gives users an estimate of their carbon footprint, then gives them a number of climate-friendly tasks to carry out. Upon completion of these tasks, users are awarded points in form of a CIR Score. The CIR score represents the positive contribution of the user to the environment.

With sufficient policy backing, the requirement of a CIR Score for important things like university admission and employment is going to contribute greatly to the number of individuals taking steps towards protecting the environment. Also within the cooperate and industrial world, the adoption of ACE not only provides users knowledge of their carbon footprint, but it also challenges creates a standard for companies to meet. This is key to building resilient infrastructure, promote sustainable industrialization, and innovation.
