HCI - H

Global warming

Record, visualise carbon footprint - keep a track - notify them

Encourage them to reduce the same? (Something new)

***1. Create awareness about it - proper fact - visualization***

***2. Create carbon usage challenges in leader boards: share it on social media - incentivise/prizes: NEW SOCIAL MEDIA - env. friendly (opt-in)***

***3. Ways to reduce it*** -

a. Download/sharable OTT content?

b. Research more on ways? - Explore more on Carbon emissions and impact of IT sectors (technical)

4. ***Tactile notifications/vibrations/multi modal - daily consumption over (set limit)***

5. GW datasets - visualisations - awareness - future usage (if one keeps on using at same/new rate -then show warning/projections +ve/-ve) – put at end if time

***6. Visualise usage of daily Carbon emission per device (laptop/mobile) (privacy) (opt-in)***

***7. Somehow integrate the footprint generated from smart devices in house – Temperature control etc. (multimodal?)***

***8. Security of data – store it on user phone – give him option to upload or not (opt-in) (GDPR)***

Login

Home

Privacy page

Reduce CF

Visualise

Points to be implemented

1. Come up with designs – different screens (Tushar, Gavin, Rahul)
2. Build up data – carbon footprint calculation (mobile apps + smart devices), opt-in to travel history (add up the data) – Sarthak, Evelyn
3. Ways to reduce it – research Sarthak, Evelyn
4. Datasets for smart device footprint – research (Ask Q) Sarthak, Rahul

Wireframe design:

Abode XD – drag drop/link up – group work - Tushar

Draw.io (not needed)

Figma (check?)

App dev:

Android Studio (java/react, backend – java DB/local storage?)

Low code platform – android app development, Design platform – Sarthak (Ask Q)

Paper Design – Saturday noon 12pm

Abode XD, Research thing – Monday 3pm

Netflix recently gave a rare insight into its most popular global hits by total hours viewed, a metric it said last week it intended to publish more frequently. It reported that fans clocked up more than 6bn hours watching the top 10 shows – which included Squid Game, Stranger Things, Money Heist and Bridgerton – in the first 28 days after each show was released.

This equates to about 1.13bn miles (1.8bn km) of travel in a car based on the Carbon Trust estimate – the approximate equivalent of the current distance between Earth and Saturn.

Separately, Netflix plans to reach net zero greenhouse gas emissions by the end of 2022, a target that means it will offset all the emissions it can’t eliminate by that time. About 50% of Netflix’s emissions come from the physical production of new content, and 45% stems from corporate operations.

The company doesn’t include its customers’ web use in the calculation of its carbon footprint, though Stewart said they can encourage partners to make cleaner devices and customers to switch to so-called green tariffs, which add more renewable power to the grid.

TBD

Wireframe paper design – Sarthak (to be reviewed by all)

Wireframe Adobe XD final template – Tushar

Implementation starting (Account page, login page) – Gavin, Rahul for now

Data population, algorithms for calculation implement – Sarthak, Evelyn

Check points on tips/steps to reduce CF incrementally, show how much carbon you saved – Evelyn

Eval studies, etc - Gavin, Sarthak (for later)

Logo design, App naming – Evelyn, All

18.11.2021

Implementation

XD complete

Visualisation Tableau Datasets

Backend?

Reduce steps how integrate?

Improve social media - creating value

1. Summary/TLDR of privacy policy? - take informed decisions - by multimodal/visualisation (?) (Better Ethics)

2. Delete data from servers completely (Facebook)

3. Keep track of who visits your profile (FB has something?)

4. Fb for disabled people -? Blind people can use multi-modal etc. - already stuff?

5. Stop Fake profiles - use KYC per person - ID verification - store server data in each country? / Facial recognition - reduce time to search? - GANs, Biometrics? - Fb - Research more how to stop Fake creation - not viable? - privacy

6. Hate speech - small children - get age (filter out) - notify parent account - see efficiency? - real age

7. See more possible ways

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Frugal computing blog (https://wimvanderbauwhede.github.io/articles/frugal-computing/)