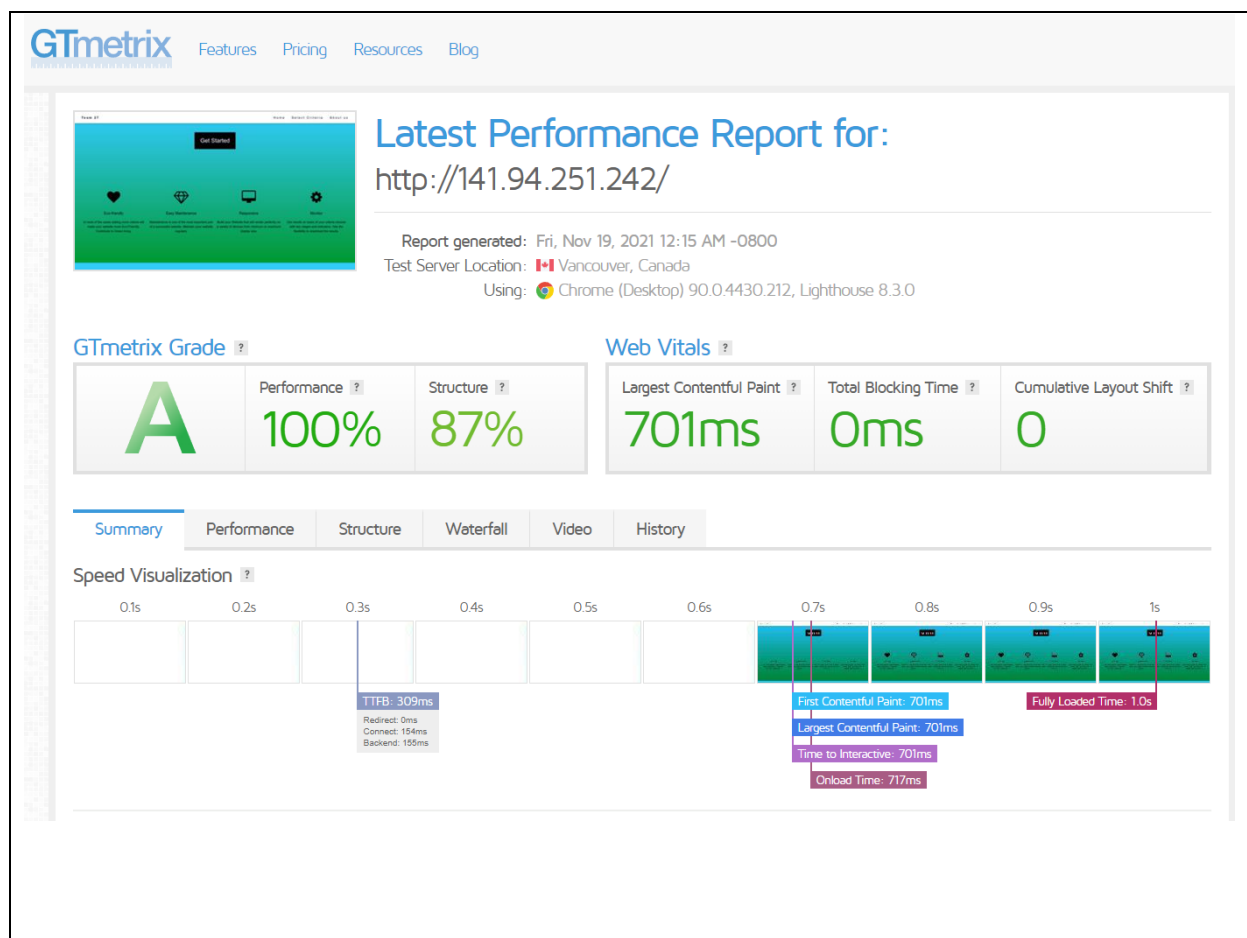# SYNTHESE DU PROJET CHALLENGE DESIGN4GREEN 2021 REPORT

Numéro d'équipe / Team Number : 27

GT MTERIX
SCORE (PageSpeed Score) : 100% (only percentage)
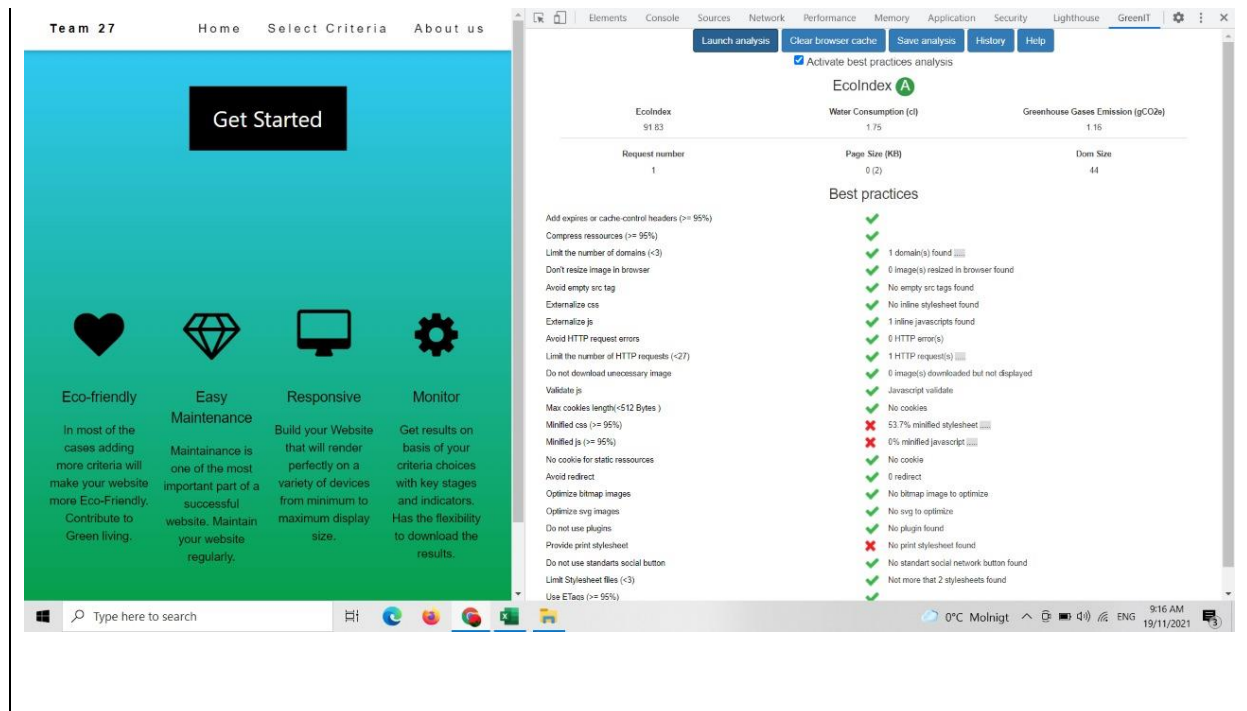SCREENSHOT (with Day and time)

ECOINDEX
SCORE (Performance environnementale / Environmental performance) : 91.83/100
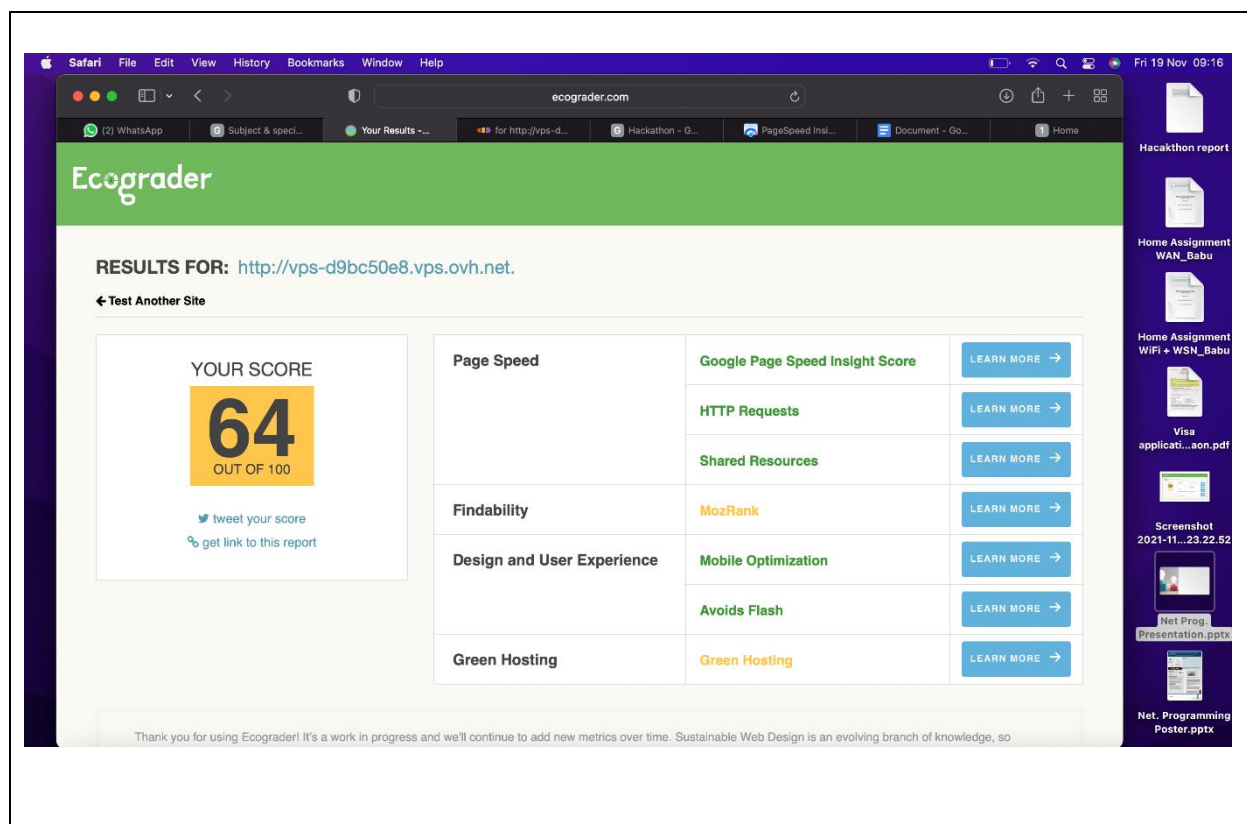SCREENSHOT (with Day and time)

ECOGRADER
SCORE : 64 / 100
SCREENSHOT (with Day and time)

Conception générale – General conception

Avez-vous réussi à finaliser votre projet ? Did you manage to finish your project ? Oui Yes / Non No

Si non, pourquoi et quels éléments sont manquants ? if not, why and what is missing ?

Yes

Conception technique – Technical conception

Quel langage avez-vous choisi et pourquoi ? which language did you use and why ?

We used python flask because it's easy and faster to build a web application using python flask. Also flask is light-weight.

Comment avez-vous optimisé vos requêtes ? How did you optimize the query ?

We used MongoDB and fetched the data with the unique id provided with data. Our database is online that's why sometimes the fetching process becomes slow due to network traffic.

Conception fonctionnelle – Functional conception

Avez-vous choisi d'utiliser un outil de représentation graphique ? Did you us a graphical representation? Oui Yes / Non No

NO.

Si oui pourquoi ? if yes, why ?

Si non pourquoi ? if not Why ?

Because we felt that we don't have enough/required data such as numeric value to do a graphical representation.

Design

Expliquez en quelques mots les choix réalisés au niveau du design du site? Explain your design choices ?

For our **Business** design choices, we preferred to help achieve a goal choice. For **Design**, we used a common design pattern rather than focusing on user attention. We ignored unnecessary decoration of the website to make it energy efficient. Our application is using the data provided so it's validated by data. For **Support**, it complies with a standard as we are using online database which ensures that the data won't be lost by server issue.

Accessibilité

Qu'avez-vous mis en place pour le respect de l'accessibilité du site? How did you manage the accessibility of your site ?

We accessed our server using ssh and install apache server to host our project. After copying our project files and installing all the dependencies, we simply run the project by defining the host as 0.0.0.0 and port 80. Now, the apache server is running our project and made it accessible over the internet.

QUESTIONS GÉNÉRALES – GENERAL QUESTIONS

Qu'est ce qui fait que votre site est éco-conçu? Why your solution is ecodesign ?

While developing the project we considered sustainability aspects like using light colors, and small sized images, fewer Javascript widgets, reducing the number of images and videos, and making sure that our site loads faster. We tried to make sure our content is printer friendly.

Avez-vous d'autres remarques pertinentes sur votre projet ? others comments on your project ?

We could work more on UI and UX design to make the website more user friendly. We have plans but for time constraint, we were not able to. Moreover, due to the use of free online database, sometimes delay becomes high for networking traffic. So, we could implement a local database which we noticed at the end.