E RECYCLER

Our project can help the environment in many ways. This project will help us to **reduce land pollution, manufacturing cost and the use of natural resources.** (e.g. Trees , gum , etc...)

AIM: <mark>use products that are made from recycled material</mark>

ABSTRACT :

We all know online shopping will be ruling our generations for upcoming years, which is mind blowing but have we ever thought about the usage of cartons and wrap covers in which your order comes ?

The worst part is sellers are constantly manufacturing these package items, on the other hand buyers are constantly undergoing a nightmare disposing the waste cartons after unwrapping.

So why not we build a **bridge between seller and the user**, here comes our **solution!**

All we need to do is to create a **software** which would be an interface for collecting the waste cartons from end customers after unwrapping also with certain criteria like end of return period to be done and encouraging them to give away the packaging waste by introducing schemes like **reward points or small discounts**. With this, people will come forward and give away the waste cartons and packing bags they have which can be recycled/reused by the sellers. **Instead of making the and packaging stuffs from scratch.**

This will not only benefit the manufacturing companies and buyers but also prevent environment from facing adverse land pollution.

Managing wastes among industries and reducing the cost to make packages again and again will definitely be a **beneficiary solution**.

ADVANTAGES :

- **Land pollution will be prevented.**
- **Reduction of manufacturing cost.**
- **Recycling will be established in fullscale.**
- **Consumers and sellers will be benefited.**
- **Revolution in recycle industry.**

PROTOTYPE DETAILS :

- **Web app that acts as a interface for the user to upload the image of the box and so on.**
- **Verification of brand using image classification with tensorflow python, trained keras.h5 model and qrcode generation for furthur identifaction.**
- **Automatic delete option for preventing duplicates.**
- **Finally all verified uploads will be given point and an email would be sent for confirmation.**