Project synopsis

Project title: **Online Scrapyard**

**Introduction:**

The objective is to develop web-based E commerce website for recycling of scrap materials. The waste materials produced by domestic, industrial, commercial and hospital sectors can be sold on this website. The waste materials will be listed on the website by the seller. The individual or an organization who has interest on the listed products can purchase that online. After recycling the materials, they can also resell it on the same website. Those renewed products can be purchased by anyone.

**Objective:**

* Platform for scrap sellers and buyers
* Online purchasing of scrap materials
* Reselling recycled products
* Product based search engine
* Order can be placed from anywhere

**Input of the project:**

* Information about the material
* Price of the material
* Quantity of the material
* Location of the seller
* Renewed product information

**Output of the project:**

* Purchase of material and product
* Selling of the renewed product
* Buyer profile
* Seller profile

**Process logic:**

**INPUT PROCESS OUTPUT**

* Admin
* Scrap material details
* Renewed product details
* Customer
* Buyer and seller profile
* Scrap product list
* Renewed product

**Level Zero DFD:**

Product approval User info

Database

0

Scrapyard

management

Admin

users

Customer info Product details

Purchase/order Purchase details

Details

**Hardware required for the project:**

* Processor **:** Intel i-III based system.
* Processor Speed **:** min 250 MHz to max 833MHz.
* RAM **:** min 64MB to max 256MB.
* Hard Disk **:** min 10GB free space.

**Software required for the project:**

* Operating System **:** Windows 7 or Above
* Front End **:** HTML, CSS, Bootstrap
* Back End **:** JavaScript
* Database **:** Mongo DB

**Are you doing this Project for any industry/ Client? If yes, acceptance of the Project:**

* No

**Duration of the Project:**

* 2 Months

**Members of the Project:**

* Shrivatsa R Bhat (19U11236)
* Vinaykumar R Naik (19U11270)

**Limitations of the Project:**

* Online delivery option is not included

**Future Scope application:**

* Automatic approval of product request by making android application
* Collection of scrap from users if it is unsold