Trojan Rental System (TRS)

Abstract:
TRS is a user friendly recommendation system which recommends the Resale value of the products (bike, bed, E-gadgets, utilities) for both the customers and Sellers. This makes use of the input information given by the Seller like Billing date, usage details, brand popularity, brand variant... etc. Based on the above said artifacts the seller will be told the range of the pricing for the product through the use of data visualization tools. The range will be in the form of the probabilities such as \( P\{40 - 45\} = 38\% \ P\{45 - 50\} = 52\% \ P\{50 - 55\} = 10\% \). This plot is also visible to the buyer who search to buy products in TRS. The Seller has to fix the pricing for the particular product at the time of publishing. This system proposes a reliable and efficient resell value to both buyer and seller. TRS proposes the range of the resell value to the buyer and it is up to them to trade for the product based on the wear- tear of the product.

The 2nd part of the system also has Seller Satisfaction Index which specifies the users satisfaction of the seller. Based on the information given by the seller at the time of publish and the users comments and review of the product after buying determines the band for the seller.

Planning to provide further improvements on the recommendation system for the new users and some of the few recommended products which are mandatory for future USC Students, most sold products and most demand products.

Motivation:
Most of the new USC students are deceived by the seller who post their product details in social networks like FaceBook. The issue in this type of system is that based on the demand for the product the seller raises the range of the resell value of the product. The buyers are not aware of the resell value of the product, the quality of the product and the reliability of the seller. TRS makes it reliable for USC students to buy and sell products.