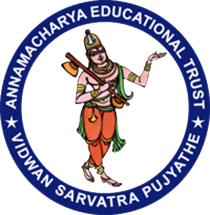
**Annamacharya Institute of Technology & Sciences, Tirupati (Autonomous)**

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Department of Computer Science & Engineering

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**Abstract**

**E-AUCTION SYSTEM**

By

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Signature of Signature of Signature of   
 **Project guide Project Coordinator Head of the Department**

**Net Auction**

**Introduction:**

Here is a brief introduction to auctions.

**Auction:** An auction is a sale in which a seller presents his product on a public platform. The selling price in an auction is determined by the bids made by interested buyers. The price they bid is based on their own valuation of, and need for, the product. The product is sold to the highest bidder. A potential buyer participates by bidding on an item that a seller has listed. The person who has offered the highest bid at close of auction wins the right to purchase the item at that price.

**Bid:** A bid is the amount of money proffered for an item that has been put on sale in an auction. The bidder competes with other potential buyers, keeping in mind that the buyer with the highest bid is obliged to complete the purchase with the seller. In other words, your bid tells other buyers, "I want to buy this item at this price."

**Win:** You win an auction by placing the winning (highest) bid and obtaining the item on auction. The person with the highest bid is the winner of the auction. Now that you're familiar with how an auction generally works.

This application has been divided into four modules

1. **Buyer Module**
2. **seller Module**
3. **Admin Module**
4. **Reports Module**

**1. Buyer Module**:

Buyer can view the products available for bidding. On clicking the product, the buyer can see the product details and can also see the list of other bidders who bid for this product. Then he/she can make the bid by entering the bid amount. The buyer can update the bid amount by the above procedure only.

**2. Seller Module**:

Seller places his item for auction in the public platform. The seller selects the starting bid amount and indicates how many of these items are available for the auction.

**3. Admin Module:**

Admin module will control both buyer and seller modules and also, they will maintain all reports regarding today’s expiry auctions and next day’s expiry auctions etc.

**4. Reports Module:**

By using this module user will get different types of reports like buyer and seller information and number of Transactions.

**Software requirements**:

Operating System : Windows

Technology : Python with Django

Software’s : Python- 3.7, Django- 3.0, Jupyter- 4.7.1, Bootstrap - 4

**Hardware requirements**:

Hardware : Intel i3 processor (recommended)

RAM : 4GB (minimum)