**D.K.T.E. Society’s Textile and Engineering Institute, Ichalkaranji.**

**(An Autonomous Institute, Affiliated to Shivaji University, Kolhapur)**

**Accredited with ‘A+’ Grade by NAAC**

**Department of Computer Science & Engineering**

**2022-2023**

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the srs and design document on

**E-Auction**

**Under the guidance**

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Have successfully completed the SRS and Design work, of the mini project entitled

**Development of “E-AUCTION”**

In partial fulfillment for T.Y. B.Tech CSE academics. This is the record of their work carried out during academic year 2021-2022.

**Date:**

**Place:** Ichalkaranji

Mrs. Prof. S.N. Alase Prof. Dr. D.V. Kodavade

**[Project Guide] [HOD]**

## ABSTRACT

Online auctions are among the most influential e-business applications. Despite efforts to set up marketplaces, online trading is still a relatively early stage. Very few companies have started their projects, trying to improve their buying and selling channels. Resources and Methods: The most intriguing concept of Internet marketplaces is the creation of online auctions. The online auction program carries an online auction of various products on the website. Results: It's a place for buyers and sellers to meet and sell anything.

Conclusion: In this system we have a web-portal where registered users can propose new auctions, buy and place bids for auction items.

Online auction is an auction held over the Internet. It is a popular way of buying and selling products and services. The Online Auction System s helps the customer to sell and buy a product at a high price. It is developed with the aim of making the system reliable, easy and fast. This app is used to sell anything website from house. This app is developed to make the system reliable, easy and fast. The application is made as simple as using a website. There are people who are not technical and can work with processing the request easily

KEYWORDS: Auction Efficiency, Auction Theory, Online Auction

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**INTRODUCTION**

Auction means Latin work, which means growth. Auction is a bid, a method of selling; Purchasing and providing services occur. The online auction system has many other names such as e-auction and electronic auction. The client can more accurately specify the need for online auctions or online bidding. Online bidding has become more widespread in all forms of industrial use. Not only does it have the product or goods it needs to sell, it also has the services it can offer. Due to their low cost, this spread caused the system to thrive.

Preferred bidders can manage and monitor the same database. The user’s data may be maintained confidentially for the validity and integrity of the contract documentation.This system allows multiple bids by single users. Developing a user- friendly auction site where any product can be bid and providing value-added services to bidders and sellers. The world of online auctions Marketplaces allow buyers and sellers to cross geographical limits and purchase products from anywhere over the Internet

**BLOCK DIAGRAM**

AAuction

Co-ordinator

Online Auction Portal

(Website)

Seller

Auction Portal

Administrator aaaafsdAA Auction Portal

(Website)

(Website)

Visitors

jhBuyers

View Vieww

Manage website

Valildate Post product

transaction

Bid Buy-out

**LITERATURE REVIEW TABLE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr.No** | **System** | **Communication**  **Interface** | **Controller** | **User Interface** | **Appllication** | **Benifits** |
| 1. | Secure E-Auction System using Blockchain :UAE case study  Hani Qusa ,Jumana Tarazi  ,Vishwesh akre  2020 Advance in science and engineering Technology International conferences.  (ASET)  2020 IEEE | Web browser/Android app. | Pc Hardware. | Web based application using blockchain. | This system provides a prototype of secure blockchain e-auction system that lowering the uncertainties about identities of long-distance complex trade in an e-auction system that can be implemented. | 1.Blockchain based e- auction has contributed meaningfully to the advancement of the auction models  2.blockchain approach helped in ensuring important security properties, such as secrecy and validity. |
| 2. | Seal: sealed-Bid auction without auctioneer samiran  Bag; feng Haof ; siamak . Shahandashti ; Indranil Glosh Ray  IEEE Transactions on information forensics and security. 2020 IEEE | Web browser. | Pc hardware. | Web based application using self-Enforcing auction lot. (SEAL) | This system operates in the decentralized setting ,where bidders jointly complete the maximum bid while preserving the privacy of the losing bids. | 1.It can be easily extended to support the second-price sealed-bid .  2.This work establishes to date the best computation and communication  complexity for sealed-bid auction schemes without involving any auctioneer. |
| 3. | Development of Internet auction system Ivan Dyyak; Lyubomyr Chyrun; Nataliya Antonyuk ; Andrii Berko ; Vasyl Andrunyk ; Andrii Khudyi. 2020 IEEE | Web Browser/Android  app | Pc Hardware | Web based application | Analyzes the main problems of e-commerce in the field solving these problems. | 1.Providing users with activity information ,bidding growth.  2.provision of appropriate services  3.Regulation of relations with partners, clients ,delivery services. |
| 4. | E-Auction. | Web Browser /Application. | Pc Hardware | Java ,swing ,Sql ,Browser | Online Bidding on item. | 1.Easily Buy/Sell items by bidding.  2.get items budget wise  3.get demanded items |

**METHODOLOGY :**

The auction system requires the information provided by the item seller to include machine learning algorithms so that the final price can be accurately predicted. These algorithms are used in products with complex features or details such as speed, memory size, etc. However, "soft" products such as jewelry differ in the characteristics they used to compare different types of objects. Features such as size , texture and color a represent but are not the type of "defining "brand style.

This section shows the artifacts of the proposed work in addition to the subsequent implementation of system analysis and design. System analysis and configuration results of the proposed system are presented. PHP programming language and HTML are used according to their attributes to suit this purpose. To start using the proposed system, the user must register as a bidder or vendor , the proposed system to enable a user (bidder or seller) displayed by a registered user (bidder or seller) on the OAS welcome web page Confirmed by the site. An unregistered user must fill out a registration form to use the system. The bidding interface isrepresented.

##### **Administration** :

* Management can manage products
* Managers can manage departments
* Administration can handle users
* Management can handle bidding
* Management can create reports
* Manages validate transaction

** Buyers :**

Bidder can view product details

* Bidder may change the bid amount
* Bidder can bid on the product
* Bidder can edit profile information.

##### **Seller:**

* The seller can ship the product
* The seller can specify the time and bid price
* The seller can view bidding information
* The vendor can edit profile information

**Visitor :**

**.**The visitors checks the price in auction

**.**The visitors do not participate in auction

**Auction Co-ordinator:**

**.**The auction co-ordinator arranges the auction

**.**The auction co-ordinator manages entire auction

**.**Auction co-ordinator post product to website

**Online Auction Portal:**

**.** The online auction portal provides platform for buyers and sellers

**.**The online auction portal managed by administrator

**.**Products and bids are placed on the online auction portal

**OBJECTIVES :**

1. There are no groups that sound like a traditional system, where customers have to sit and bid .
2. The convention excludes the usual frustration that usually happens when bidding on at traditional system .
3. Led there is no scheduled schedule limit which means that the bidder can bid anytime and anywhere .
4. The bidding process can be conducted on a global scale .

**PROBLEM STATEMENT**

1.The online auction market offers consumers lower prices, greater product selectivity and greater efficiency compared to traditional online markets

2. It provides global expansion of the market as any one in the world can buy and sell the products .

3.Reduces cost as there is no middleman

4.We can participate in auction any time and from anywhere

#### Hardware:

1. Processor: Minimum 2.0GHzrequires.
2. Ram: 2GB.
3. Hard Disk: 100GB.
4. Input device: Standard Keyboard and Mouse.
5. Output device: VGA and High Resolution Monitor.

#### Software:

1. Operating System: Windows7.

2.Language : Java

3.Database: My SQL 5.0 & Above.

4.Tool: JDK 1.5 & Above, Eclipse IDE.

5.Server

Language : Java

1. Database: My SQL 5.0 & Above.
2. Tool: JDK 1.5 & Above, Eclipse IDE.
3. Server

**CONCLUSION**

In this report, we have discussed a E-Auction using java. The functionality of the current system is limited to working online only. In this system we have a web-portal where registered users can propose new auctions, buy and place bids for auction items.

The online auction system has made customers more efficient and efficient in their behavior and has driven businesses to new heights, forcing many to make the adjustments and changes necessary to reach a new market of knowledgeable consumers.

The rapid growth of e-auctions has led to an e-transformation in global retail infrastructure. Thanks to a growing internet and higher incomes and a more savvy population, despite many obstacles. Secure online payments, good for electronic stores, return policies and exciting discounts help you understand the benefits of the auction system.

A better understanding of the behavior of the consumer online auction system can help companies gain more online customers and increase their e-business revenue. At the same time, consumers are more inclined to make purchases online, as they realize the benefits of e-auction. With the popularity of the Internet, the number of Internet users continues to grow and more and more Internet users are becoming online users, even regular online buyers.

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