**CVR COLLEGE OF ENGINEERING**

**(*An Autonomous Institution, NBA, NAAC Accredited and Affiliated to JNTU, Hyderabad*)**

Vastunagar, Mangalpalli (V), Ibrahimpatnam (M), Rangareddy (D), Telangana- 501 510

**DEPARTMENT OF CSE (DATA SCIENCE)**

**Real-Time/Field - Based Research Project**

**YEAR: B.Tech II Year II Sem SECTION: B**

**TITLE OF THE PROJECT: Online Auction System for Gadgets**

**ABSTRACT**: Overview of a web-based platform facilitating the buying and selling of gadgets through an auction model.  
Features include real-time bidding, an auto-bidding system, a countdown timer for auctions, and a secure payment gateway.  
Emphasis on user authentication, live notifications, and an admin dashboard for managing auctions.  
Goal: To provide a transparent, efficient, and secure platform for gadget enthusiasts and sellers.

**KEYWORDS**: Online Auction, Gadgets Trading, Bidding System, Web Application, Real-Time Auctions, Secure Transactions, User Authentication.

**LIST OF MODULES/FEATURES:**

* + **User Authentication:** Secure login and registration.
  + **Gadget Listing:** Sellers can list gadgets with detailed specifications and base prices.
  + **Real-Time Bidding:** Live bidding with auto-increment functionality.
  + **Auction Timer:** A countdown timer for each auction event.
  + **Payment Integration:** Secure payment gateway ensuring smooth transactions.
  + **Admin Dashboard:** Comprehensive management of auctions, users, and transactions.
  + **Bid History & Analytics:** Detailed analytics and historical bid data.
  + **Gadget Verification:** Ensuring the authenticity of listed gadgets.

**SOFTWARE REQUIREMENTS:**

* - Frontend: **HTML, CSS, JavaScript**
* Backend: **PHP / Python Flask**
* Database: **MySQL / SQLite**

**HARDWARE REQUIREMENTS:**

* Processor: Intel Core i5 or higher
* RAM: 8GB or higher
* Storage: 10GB SSD or higher
* Internet Connection: High-speed broadband

**Team Members Details:**

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| --- | --- | --- | --- |
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