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Department of Artificial Intelligence And Data Science

A PROJECT-BASED REPORT ON “ONLINE VOTING SYSTEM ”

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CERTIFICATE

This is to certify that the project-based report on **“ONLINE VOTING SYSTEM”** Submitted by **(2200080001-V. VENI ALEKYA), (2200080058-HARINI PADMANABHUNI), (2200080059-A.KEERTHANA SREYA)** to the **Department of Artificial Intelligence And Data Science**, Koneru Lakshmaiah Education Foundation in partial fulfilment of the requirements for the completion of a project in **22SDAD01A- Application Development Using JAVA** course in II Year B.Tech. **Artificial Intelligence And Data Science** is a bonafide record of the work carried out by him/her under my supervision during the Even Semester of the Academic Year 2023- 24.

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ABSTRACT

The "Online Voting System for Java Application" is a smart project aiming to bring voting into the digital era, making it easier and more secure. Think of it like upgrading from paper ballots to a user-friendly online platform. In a world where technology is everywhere, it's time for voting to catch up.

We give an opportunity to the people those who are not able to vote. Our application relies both on security and integrated web services to vote from anywhere with all necessary proofs such as voter id, photo, Aadhaar card, etc.

Security is a big deal. We're making sure only the right people can vote by using a secure login process. It's like when you log in to your email, but with an extra layer of security to make sure it's really you.

It include features such as voter authentication, candidate registration, and vote counting. The system can be developed using Java programming language and integrated with a database management system like MySQL. The Java Security API is used for encrypted data transmission and storage, while the Apache Commons library is used for efficient coding.

Now, when you want to vote, you can log in and see information about the candidates, just like checking out product details before buying online. It helps you make an informed decision without relying on a paper pamphlet.

Our project is faster, more reliable, and adapts to the way we live today. We want to make voting easy, secure, and accessible for everyone, embracing technology while keeping the core values of fairness and accuracy in our democratic system