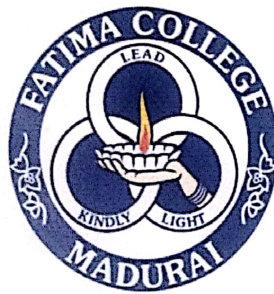


# **E-TENDERING SYSTEM**

A Project work submitted to Fatima College (Autonomous) affiliated to  
Madurai Kamaraj University in partial fulfillment of the requirements  
for the Degree of Bachelor of Science in Computer Science

Submitted by

**S. AKSHAYA** (2021B02)



**DEPARTMENT OF COMPUTER SCIENCE**

**FATIMA COLLEGE (Autonomous)**

**Re-Accredited with 'A++' Grade by NAAC (4<sup>th</sup> Cycle)**

**Mary Land, Madurai-18.**

**MAR-2024**

**FATIMA COLLEGE (AUTONOMOUS), MADURAI-18**


**DEPARTMENT OF COMPUTER SCIENCE**

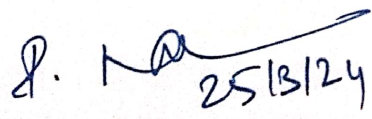


**BONAFIDE CERTIFICATE**

This is to certify that this project entitled “**E-TENDERING SYSTEM**” is a bonafide record of the project work done by **S. AKSHAYA (2021B02)** in partial fulfillment of the requirements for the award of the Degree of **Bachelor of Science in Computer Science**.

Submitted for the Viva-Voce Examination held on 25/03/2024.

  
**INTERNAL EXAMINER**

  
**EXTERNAL EXAMINER**



## **DECLARATION**

I hereby declare that the project entitled “**E-TENDERING SYSTEM**” is a project report of the original work done by me. This project work is submitted to Fatima College (Autonomous, Affiliated to Madurai Kamaraj University) in partial fulfillment of the Degree of Bachelor of Science in Computer Science during the academic year 2023-2024.

I declare that this project work or any part thereof has not been submitted for getting any Degree or Diploma from any College or University.

**Place: Madurai**

**Date: 25/03/2024**

**Signature**

*S. Akshaya*

**S. AKSHAYA (2021B02)**



## CERTIFICATE

This is to certify that **Ms. S. Akshaya**, (Reg No : 2021B02) pursuing final year B.Sc Computer Science in **Fatima College, Mary Land, Madurai** has successfully completed the project “ **E – Tendering System** ” at our organization from November 2023 to March 2024.

She was regular and her conduct was very good throughout the period.



**J.Keerthiraj**

**Branch Manager**

**S.R. SOFTWARE**  
161-A, Palace Road  
MADURAI - 625 001



## CHAPTER 1

### ABSTRACT

Electronic Tendering System is a modern web-based application revolutionizing project procurement by facilitating the exchange of proposals, bids, and reviews among stakeholders. By transitioning the tender publishing process online, the system offers stakeholders convenient access to tender details, including product specifications, until the tender's closing date. This digital transition enhances efficiency and saves time by eliminating the need for manual processes.

Security is a fundamental aspect of the Electronic Tendering System. Through innovative measures such as robust authentication and secure data transmission, sensitive information is kept confidential. Advanced encryption techniques like AES and MD5 cryptography ensure the protection of bid amounts and documents, maintaining data integrity throughout the process. Furthermore, it also fosters seamless communication among stakeholders. Administrators have access to efficient tools to manage tender details, while users can easily submit bids, offer feedback, and access relevant information. The system's user-friendly interface and efficient data management promote transparency and facilitate informed decision-making. It represents a significant advancement in procurement practices. By prioritizing simplicity and security, the system offers a secure, efficient, and accessible platform for tendering processes. This modern approach sets a new standard for procurement, driving innovation and efficiency in the digital landscape.

In essence, E-Tendering is a pivotal web-based application through which proposals, bids, and reviews are exchanged among interested parties to secure projects published via a tender management system. This innovative approach streamlines the tendering process by digitizing it, allowing stakeholders to conveniently access tender details until the tender's closing date. Through robust authentication, secure data transmission, and advanced encryption techniques, the system ensures the confidentiality and integrity of sensitive information. With its user-friendly interface and efficient communication tools, E-Tendering promotes transparency and facilitates informed decision-making, representing a significant advancement in procurement practices.