# ABSTRACT

Our mini project, titled “Data Encryption App”, focuses on developing a software application that utilizes the Advanced Encryption Standard (AES) algorithm for strong text encryption and decryption. It aims to enhance privacy and security by protecting sensitive files and documents from unauthorized access.

Encryption is crucial in today’s network-driven world to ensure secure information exchange. The project explores the design and implementation of computer security, specifically focusing on data encryption and decryption using the AES algorithm. Java is the chosen programming language for its cross-platform compatibility.

The project emphasizes the importance of encryption and offers a practical tool for safeguarding data. Overall, the “Data Encryption App” mini project report showcases the development of a user-friendly application with robust encryption capabilities to secure sensitive information.

# ACKNOWLEDGEMENT

We would like to acknowledge our profound gratitude to all those who have helped in implementing this mini project.

We are grateful to our institution **Jawaharlal Nehru National College of Engineering** and **Department of Computer Science and Engineering** for imparting us the knowledge with which we can do our best.

We would like to thank our beloved guides **Dr. Benakappa S M, Assistant. Professor and Mr. Hiriyanna G S, Assistant. Professor dept CS&E, JNNCE** who have helped us a lot in making this project and for their continuous encouragement and guidance throughout the project work.

Finally, we would like to thank **Dr. Poornima K M, HOD of CS&E Dept**, and **Dr. K Nagendra Prasad, The Principal JNNCE, Shivamogga** for all their support and encouragement.

We also would like to thank the whole teaching and non-teaching staff of Computer Science and Engineering Dept.

Thanking you all,

**Mini Project Associates**

| | |
|---|---|
| JEEVITHA V | 4JN20CS040 |
| MAHATHI KASHYAP | 4JN20CS052 |
| NITHIN S S | 4JN20CS067 |
| ROHIT D | 4JN20CS084 |

# TABLE OF CONTENTS

# LIST OF FIGURES