

Applications of Block Cipher Principles in Modern Cryptography



PROJECT WORK

*Submitted in partial fulfillment of the requirements for the award of Degree
of Master of Science (Mathematics)
2024*

Under the supervision of:

Dr. Prabal Pratap Singh

Submitted By:-

EVA KHAN

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Declaration

I, EVA KHAN, hereby declare that the project work titled

" **Applications of Block Cipher Principles in Modern Cryptography**" submitted to J.S.University Shikohabad, is an original work conducted by me under the guidance of **Dr. Prabal Pratap Singh**. The information and data presented in this project are true to the best of my knowledge and belief.

I also declare that this project has not been submitted, either in part or full, for the award of any other degree or diploma to any other institution or university.

Name: [EVA KHAN]

Roll Number/ID: [224020304010]

Acknowledgment

I would like to express my deepest gratitude to all those who contributed to the successful completion of my **M.Sc.** project work.

Firstly, I would like to thank **Dr. Prabal Pratap Singh**, my project supervisor, for their invaluable guidance, support, and encouragement throughout the course of this work. Their insights and expertise were crucial in shaping the direction of this research.

I am also grateful to J.S University and Department of Mathematics for providing the necessary resources and a conducive environment for my studies. The support from the faculty and staff has been instrumental in the completion of this project.

A special thanks to my colleagues and friends for their encouragement and for being a source of motivation during challenging times. Your advice and feedback have been greatly appreciated.

Lastly, I would like to thank my family for their unwavering support and belief in my abilities. Your love and patience have been my driving force throughout my academic journey.

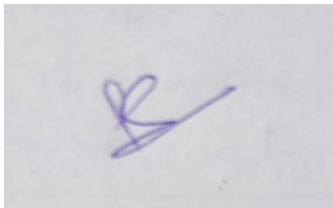
This work is dedicated to everyone who has been a part of my academic and personal growth.

Thank you.

Certificate of Completion

This is to certify that **EVA KHAN** has successfully completed the **Research Project on Applications of Block Cipher Principles in Modern Cryptography** conducted by Mathematics Department .

This project was conducted under the guidance of **Dr. Prabal Pratap Singh** and demonstrates a significant contribution to the field of **Mathematics**.

A square box containing a handwritten signature in blue ink. The signature is stylized and appears to be the initials 'PK'.

[Supervisor's Signature]
[03/06/2024]