Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

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Near Jnana Bharati Campus, Bengaluru - 560056.

GROUP ACTIVITY REPORT

ON

"Steganography Software from scratch using Python"

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<u>CERTIFICATE</u>

This is to certify that the project entitled "**Steganography Software from scratch using Python**" submitted in the partial fulfilment of the requirement of **Cryptography and Network Security(18EC752)** 7th semester group activity during the year 2022 – 23 is a result of bonafied work carried out by

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<u>ABSTRACT</u>

Steganography is the art of hiding the fact that communication is taking place, by hiding information in other information. Many different carrier file formats can be used, but digital images are the most popular because of their frequency on the internet. For hiding secret information in images, there exists a large variety of steganography techniques some are more complex than others and all of them have respective strong and weak points. Different applications may require absolute invisibility of the secret information, while others require a large secret message to be hidden. This project report intends to give an overview of image steganography, its uses and techniques. It also attempts to identify the requirements of a good steganography algorithm and briefly reflects on which steganographic techniques are more suitable for which applications.

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