**Project Narrative**

**Project Title:** StegMed

**Project Summary and Overall Approach:** Our software will allow users to easily hide their confidential information within digital files such as images, videos, or audio files, using advanced steganography techniques. The software will apply the latest cryptography algorithms to protect the hidden information from unauthorized access, ensuring that only those with the right credentials can access it.

Additionally, our software will have a watermarking feature that can be used to identify and protect files against unauthorized copying and distribution. This feature will embed a unique identifier into the file which will make it easy to identify the original owner of the file.

The software will be designed to work on multiple platforms and support a wide range of file formats, including JPEG, PNG, MP3, WAV, and MP4, among others. This will ensure that users can easily and securely store their sensitive information and protect their files, regardless of the file type or platform they are working on.

Our software is ideal for individuals and businesses that deal with confidential information, such as lawyers, doctors, and other professionals who handle sensitive data. It can also be used by photographers and artists who want to protect their work against copyright infringement.

**Contribution of team members:**

**Member 1 (201b259):** Gathering information related to steganography, different types and applications related to it.

**Member 2 (201b283):** Doing a comprehensive study about cryptography, its various methods and their respective implementations.

**Member 3 (201b299):** Learning about various techniques of watermarking that can be used and their implementations.