



AN SECURE CLOUD BASED WEB APPLICATION TO PREVENT CLONE ATTACK USING DISCRETE WAVELET TRANSFORM AND JAVA STATIC WATERMARKING

Ananthi.T.S¹, Madhumathi.R.M², Shanmugasundari.S³, **Dr. A.Nageswaran⁴**

ananthits97@gmail.com, madhumathi030@gmail.com, shanmunarayanan180497@gmail.com

^{1,2,3} UG Student, Department of Computer Science and Engineering, PERI Institute of Technology.

⁴ **Associate Professor, Department of Computer Science and Engineering, PERI Institute of Technology.**

ABSTRACT-

Social media provide a common platform for millions of users across the Internet. The common problem addressed here is the misuse of data files by unknown users. In this project we have used data hiding techniques to prevent clone attack. In this proposed system, the unauthorized client has the privilege to access pictures shared in the media. We have used Java static watermarking algorithms to prevent cloning of picture files shared in the social network. Whenever a user uploads profile picture or photos it would be watermarked and updated. This is done using java static watermarking system. Any unauthorized users updating the same picture can be detected and their respective IP would be blocked. Also we have used discrete wavelet and cosine transforms for implementing steganographic techniques to share secure images in the social media.

Index Terms – Java Static watermarking, Discrete Wavelet algorithm, Discrete Cosine algorithm