DECLARATION

We hereby declare that this submission is our own work and that, to the best of our knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

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CERTIFICATE

This is to certify that the Project Report entitled Design and Development of Video Watermarking which is submitted by Himanshu Soni (1301410040), Ajeet Singh Sisodiya (1301410011), Ved Prakash (1301410102), Gajanand Bharti (1301410035) and Sushil Gupta (1301410093) is a record of the candidates own work carried out by them under my supervision. The matter embodied in this work is original and has not been submitted for the award of any other work or degree.

Er. L. S. Maurya
HOD (CSE/IT)

Mr, Mukesh Azad
Supervisor

ACKNOWLEDGEMENT

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ABSTRACT

Problem statement: *Video watermarking is well known as the process of embedding copyright information in video bit streams. It had been proposed in recent years to solve the problem of illegal manipulation and distribution of digital video.*

Approach: *After many research and study, an effective, robust and imperceptible video watermarking algorithm was proposed. And algorithm is based on a cascade of two powerful mathematical transforms; Discrete Wavelets Transform (DWT) and Singular Value Decomposition (SVD). Two different transform domain techniques showed high level of complementary and different levels of robustness against the same attack will be achieved through their combination.*

Results: *The proposed algorithm was tested against imperceptibility and robustness and excellent results were obtained.*

Conclusion: *Experimental results demonstrate the robustness achieved by combining the two transforms.*

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LIST OF ABBREVIATIONS

ADT	Android Development Tools
GPL	General Public License
JDK	Java Development Kit
JRE	Java Runtime Environment
SDK	Software Development Kit