**DESIGN AND DEVELOPMENT OF**

**VIDEO WATERMARKING**

By

Himanshu Soni (1301410040)

Ajeet Singh Sisodiya (1301410011)

Ved Prakash (1301410102)

Gajanand Bharti (1301410035)

Sushil Gupta (1301410093)

Submitted to the Department of Computer Science and Engineering

in partial fulfillment of the requirements

for the degree of

Bachelor of Technology

in

Android App Development



**Shri Ram Murti Smarak College of Engineering & Technology, Bareilly**

**Dr. A.P.J. Abdul Kalam Technical University, U.P., Lucknow.**

**(Session 2016-17)**

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**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 <Supervisor Name>

**HOD (CSE/IT) Supervisor**

ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the report of the B. Tech Project undertaken during B. Tech. Final Year. We owe special debt of gratitude to Mr, Mukesh Azad, Assistant Professor of Computer Science and Engineering, S.R.M.S.C.E.T, Bareilly for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. It is only his cognizant efforts that our endeavors have seen light of the day.

We also take the opportunity to acknowledge the contribution of Mr. L. S. Maurya, Head, Department of Computer Science & Engineering/Information Technology, S.R.M.S.C.E.T, Bareilly for his full support and assistance during the development of the project.

We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind assistance and cooperation during the development of our project. Last but not the least, we acknowledge our friends for their contribution in the completion of the project.

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ABSTRACT

The abstract is to be in fully-justified italicized text, at the top of the left-hand column as it is here, below the author information. Use the word “Abstract” as the title, in 12-point Times, boldface type, centered relative to the column, initially capitalized. The abstract is to be in 10-point, single-spaced type, and may be up to 3 in. (7.62 cm) long. Leave two blank lines after the abstract, then begin the main text. All manuscripts must be in English.

An Abstract is required for every paper; it should succinctly summarize the reason for the work, the main findings, and the conclusions of the study. The abstract should be no longer than 250 words. Do not include artwork, tables, elaborate equations or references to other parts of the paper or to the reference listing at the end. The reason is that the Abstract should be understandable in itself to be suitable for storage in textual information retrieval systems.

**LIST OF SYMBOLS**

[x] Integer value of x.

≠ Not Equal

 Belongs to

€ Euro- A Currency

\_ Optical distance

\_o Optical thickness or optical half thickness

**LIST OF ABBREVIATIONS**

AAM Active Appearance Model

ICA Independent Component Analysis

ISC Increment Sign Correlation

PCA Principal Component Analysis

ROC Receiver Operating Characteristics