

Certificate

This is to certify that the thesis titled “**Securing Images through Reversible Data Hiding**” submitted by **Mrs. Smita Agrawal** is an original research work and has not been previously submitted in part or full for the award of any other degree or diploma to this or any other University.

The thesis submitted to Babasaheb Bhimrao Ambedkar University Lucknow satisfies all the requirements as stipulated in the *Doctor of Philosophy (Ph.D.) regulations-1999 as amended in 2008/2010/2013* and it is fit for submission and evaluation for the award of the degree of Doctor of Philosophy of the University.

Date:

(Dr. Manoj Kumar)

Supervisor

(Prof. Sanjay K. Dwivedi)

Head of the Department

Viva-Voce Certificate

This is to certify that thesis entitled “**Securing Images through Reversible Data Hiding**” submitted by **Mrs. Smita Agrawal** under the supervision of **Dr. Manoj Kumar**, to the Department of Computer Science, Babasaheb Bhimrao Ambedkar University (A Central University) Lucknow, India, in the fulfillment of the requirement for the degree of Doctor of Philosophy in Computer Science has been approved after an oral examination of the same in collaboration with an external examiner.

Signature of External Examiner

Date:

Place: Lucknow

HEAD

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