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It is certified that the work contained in the thesis titled “*DESIGN AND DEVELOPMENT OF SOME NEW APPROACHES FOR EFFECTIVE CONTENT-BASED IMAGE RETRIEVAL SYSTEM*” by *VIBHAV PRAKASH SINGH*, has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive, Candidacy and SOTA.

**Signature of Supervisor**

**Prof. Rajeev Srivastava**

**Department of Computer Science and Engineering**

**Indian Institute of Technology (BHU), Varanasi**

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