Declaration

I hereby declare that the work presented in this Thesis titled *"Efficient Motion Estimation and Predictive Coding Methods for Compression of Spatio-temporal Sequences"* submitted to the Indian Institute of Technology Jodhpur in partial fulfilment of the requirements for the award of the degree of Doctor of Philosophy, is a bonafide record of the research work carried out under the supervision of *Dr. Anil Kumar Tiwari*. The contents of this Thesis in full or in parts, have not been submitted to, and will not be submitted by me to, any other Institute or University in India or abroad for the award of any degree or diploma.

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