DECLARATION

I hereby declare that the work embodied in this thesis has been carried out by me under the supervision of Prof. Hrushikesha Mohanty in the Department of Computer and Information Sciences, University of Hyderabad, Hyderabad, India, as per the Ph.D. ordinances of the University. This thesis has not been submitted for the award of a research degree of any other university. Information derived from the published and unpublished work of others has been acknowledged and a list of references is given. Where work described in this thesis have been published, references are cited for the same in the body of the work and a list of such publications given.

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