



भारतीय
प्रौद्योगिकी
संस्थान
काशी हिन्दू विश्वविद्यालय



INDIAN
INSTITUTE OF
TECHNOLOGY
BANARAS HINDU UNIVERSITY

Department of Computer Science & Engineering

Phone: 0542- 2307055-56, 0542-6702764

Fax: 0542-2368428

Ref.No.: IIT(BHU)/CSE/2015-2016/

Date:

CANDIDATE'S DECLARATION

I, **Madhushi Verma**, certify that the work embodied in this Ph.D. thesis is my own bonafide work carried out by me under the supervision of **Prof. K. K. Shukla**, for a period of 4 years 2 months from July, 2011 to September, 2015 at the *Department of Computer Science and Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi*. The matter embodied in this Ph.D. thesis has not been submitted for the award of any other degree / diploma.

I declare that I have faithfully acknowledged, given credit to and referred to the researchers whenever their works have been cited in the text and the body of the thesis. Further, I certify that I have not specified some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, thesis, documents available at websites etc. in this Ph.D. thesis and cited as my own work.

Date:

(Signature of the candidate)

Place: IIT(BHU), Varanasi

(Madhushi Verma)