

DECLARATION BY THE CANDIDATE

I, "*DEEPAK KUMAR GUPTA*", certify that the work embodied in this thesis is my own bona fide work and carried out by me under the supervision of "*Prof. R. K. PANDEY*" from "*July 2013*" to "*June 2017*", at the "*DEPARTMENT OF ELECTRICAL ENGINEERING*", Indian Institute of Technology (BHU), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma. I declare that I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in my work in this thesis. I further declare that I have not wilfully copied any other's work, paragraphs, text, data, results, *etc.*, reported in journals, books, magazines, reports dissertations, thesis, *etc.*, or available at websites and have not included them in this thesis and have not cited as my own work.

Date:

Place:

(Deepak Kumar Gupta)

CERTIFICATE BY THE SUPERVISOR

It is certified that the above statement made by the student is correct to the best of my knowledge.

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