

DECLARATION

I, **Navneet Batra**, certify that the work embodied in this Ph. D. thesis is my own bonafide work carried out by me under the supervision of **Dr. S.P. Mahapatra** for a period of **2 Years** from **January 2014** to **January 2016** at Monad University. The matter embodied in this Ph.D. thesis has not been submitted elsewhere for the award of any other degree/diploma. I declare that I have faithfully acknowledged, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not wilfully lifted up some other's work, para, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and have included them in this Ph. D. thesis and cited as my own work.

Date:

Navneet Batra
(Research Scholar)