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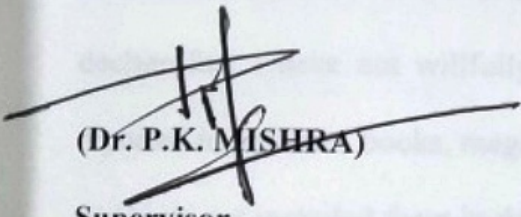
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It is certified that the work contained in the thesis titled "*Studies On Ceria Nanofiber Catalysts in Water Gas Shift Reaction*" by "*DAN BAHADUR*" has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive, Candidacy and SOTA.



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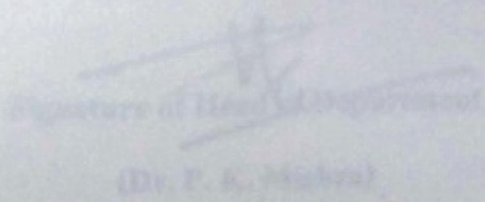
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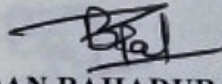


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I, "DAN BAHADUR", certify that the work embodied in this thesis is my own bona fide work and carried out by me under the supervision of "Prof. P. K. MISHRA" from "September 2012 TO July 2017" at the "Department of Chemical Engineering & Technology", Indian Institute of Technology, 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 willfully copied any other's work, paragraphs, text, data, results, etc., reported in journals, books, magazines, reports dissertations, theses, etc., or available at websites and have not included them in this thesis and have not cited as my own work.

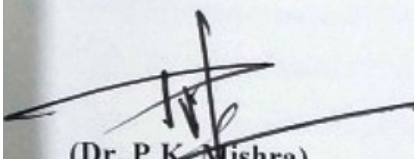
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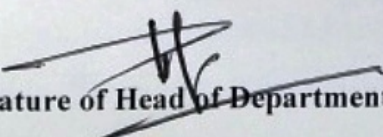
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Signature of Head of Department

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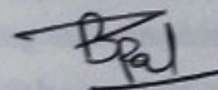
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