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VARANASI – 221005**

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It is certified that the work contained in the thesis titled “***SOME THEORETICAL AND EXPERIMENTAL STUDIES ON PERFORMANCE CHARACTERISTICS OF CI ENGINE USING DIFFERENT BIODIESEL BLENDING***” by **AJEET KUMAR** has been carried out under our 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 Examination, Candidacy, SOTA and Pre-submission Seminar for the award of Ph.D. Degree.

Supervisor

Dr. J.V. Tirkey

Associate Professor
Department of Mechanical Engineering
IIT (BHU), Varanasi-221005

Co-supervisor

Prof. S.K. Shukla

Department of Mechanical Engineering
IIT (BHU), Varanasi-221005



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I, **AJEET KUMAR**, certify that the work embodied in this thesis is my own bona fide work and carried out by me under the supervision of **DR. J. V. TIRKEY** and co-supervision of **PROF. S.K. SHUKLA** from **DECEMBER 2013** to **NOVEMBER 2019**, in the **"DEPARTMENT OF MECHANICAL 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, 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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It is certified that the above statement made by the student is correct to the best of our knowledge.

Dr. J.V. Tirkey
(Supervisor)

Prof. S.K. Shukla
(Co-supervisor)

Head of Department

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