13.03.19

INVERTIS UNIVERSITY, BAREILLY

Report of Ph.D. Thesis Viva Voce Examination

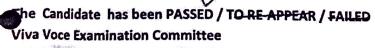
Name of the Candidate : Mr. ATUL SAROJWAL Student ID: PHE2012019
Topic: DESIGN, FABRICATION AND TESTING OF A NOVEL ANTI COLLISION SYSTEM FOR LOCOMOTIVES

Name of Department: ELECTRICAL ENGINEERING Internal Supervisor: Prof. P P Singh Date of Registration/URDC: 11.01.2014 Date of Viva Examination: 13.03.2019 External Supervisor: Prof. A K Gupta Enrollment No. 121018

Report of The Oral Board Comments:

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(Use separate sheet if required)



- 1. Prof YDS Arya (Chairman)
- 2. Prof S K Goel (External Examiner)
- 3. Prof R K Shukla (Dean Engineering)
- 4. Prof. P P Singh (Internal Supervisor)
- 5. Prof. A K Gupta (External Supervisor)
- 6. Dr. Mr. Mon Prakash Upadhyay (HOD)

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Ph D Coordinator

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Approved by Vice Chancefor? Invertis University, Bareilly

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Registrar Invertis University Bareilly

CERTIFICATE BY THE SUPERVISORS

This is to certify that the thesis entitled "Design, Fabrication and Testing of a Novel Anti Collision System for Locomotives" for the award of degree of "Doctor of Philosophy" submitted by Mr. Atul Sarojwal in the Department of Electrical Engineering, Invertis University, Bareilly is a record of authentic work carried out by him under my supervision. The matter embodied in this thesis is the original work of the candidate and has not been submitted for the award of any other degree or diploma. It is further certified that he has worked with me for the required period in the Department of Electrical Engineering, Invertis University, Bareilly.

Date: 13-03-19

[PROF. P.P. SINGH] Professor & Dean Invertis University, Bareilly

Registrar Invertis University Bareilly

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[PROF. A.K. GUPTA] Professor & Dean, FET MJP Rohilkhand University, BLY