

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

Date of Viva Examination: 13.03.2019

Internal Supervisor: Prof. P P Singh

External Supervisor: Prof. A K Gupta

Date of Registration/URDC: 11.01.2014

Enrollment No. 121018

Report of The Oral Board**Comments:**

The presentation of the proposed work is well delivered
 experimental model shown before the board
 which was remarkable. The questions asked by
 the board well answered by the candidate.
 The phd degree may be awarded to -Mr.
 Atul Sarojwal.

(Use separate sheet if required)

The Candidate has been **PASSED** / TO-RE-APPEAR / FAILED
 Viva Voce Examination Committee

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)
7. Mr. Santosh Kumar (Registrar)

Ph D Coordinator

13.03.2019

Approved by Vice Chancellor
 Invertis University, Bareilly

Passed

13/03/19

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Santosh

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



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



Registrar
Invertis University
Bareilly