

# **DEBABRATA NATH**

**Assistant Professor,**

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**Work Experience (Teaching – Full Time): 15 years**

**Associated with the Institute (NITMAS): 14 years.**

**Academic Qualification: Pursuing P.HD from Calcutta University.**

**M.E in Software Engineering from Jadavpur University**

**B.E in Electrical Engineering from Bengal Engineering**

**College Shibpur (former deemed university).**

## **List of Notable Publications:**

### **International Journal Papers (Accepted)**

1. A.K.Pal and D.Nath, “IDISRA – Integrated Distributed Intelligent System for Rail Automation: Safety Issues”, Journal of Traffic and Logistics Engineering (JTLE), Vol. 1, No. 2, June 2013.
2. D. Nath, S. Mishra, S. K. Mondal and K. Bera, “Uniform Graph Construction Based on Longitude-Latitude Mapping for Railway Network”, International Journal of Mathematics and Computational Science, IJMCS, Vol. 1, No. 5, pp. 255-259, 2015.

### **International Conference Papers:**

1. A.K.Pal, D.Nath and S.Chakraborty, “A Discriminatory Rewarding Mechanism for Sybil Detection with Applications to Tor”, Proc. WASET International Conference on Cryptography, Coding and Information Security (ICCCIS 2010), Rio De Janeiro, Brazil, 29-31 March, 2010, Volume 63, pp.29-36 (ISSN 1307-6892).
2. A.K.Pal and D.Nath, “IDISRA – Integrated Distributed Intelligent System for Rail Automation: Safety Issues”, Proc. In 2nd International Conference on Traffic and Logistic Engineering (ICTLE 2013), Istanbul, Turkey, 15-16 March, 2013.
3. D. Nath, S. Mishra, S. K. Mondal and K. Bera, “Positional Graph Theory with Application to Railway Network”, Proc. International Conference on Advances in Mathematical Sciences (ICAMS 2015), Punjab, India, 19-21 March, 2015.

## **Under-graduate Thesis Supervised: 18**

### **Few good B.Tech Thesis work:**

- 1> Positional Graph Theory with Application to Railway Network System
- 2> Shortest path detection for Intra zone communication in Indian Railway network.
- 3> Zonal information of In Indian Railway network.
- 4> Kolkata AC Bus service.

**Activities Associated with: Officer in charge appointed by MAKAUT for NITMAS Examination related activities.**