



Debabrata Kar, Ph.D.

Designation : Professor

Department : Department of Computer Science and Engineering
(JOINED THE INSTITUTE IN 2010)

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RESEARCH INTERESTS

- Database Security
- Internet Security
- Information Retrieval
- Machine Learning
- Social Networking
- Cloud Computing

Academic Qualifications

- Ph. D. (Engineering), KIIT Deemed-to-be University, Bhubaneswar
- M. Tech. (Computer Science), Utkal University, Bhubaneswar
- B.Sc. (Engineering), NIT Rourkela

Teaching Experience/Industrial Experience/Research Experience

- 35 Years(12 Years in PSU, 10 Years in Software Industry and 13 Years in Teaching and Academic Administration)

PUBLICATIONS

JOURNAL ARTICLES

1. **Debabrata Kar**, Suvasini Panigrahi, Srikanth Sundararajan, "SQLiGoT: Detecting SQL Injection Attacks using Graph of Tokens and SVM", Computers & Security, Elsevier, Vol. 60, pp. 206–225, 2016.
2. **Debabrata Kar**, Suvasini Panigrahi, Srikanth Sundararajan, "SQLiDDS: SQL Injection Detection using Document Similarity Measure", Journal of Computer Security, Vol. 24, No. 4, pp. 507-539, 2016.

CONFERENCE PAPERS

1. **Debabrata Kar**, Suvasini Panigrahi, "Prevention of SQL Injection Attack Using Query Transformation and Hashing", In proc: 3rd IEEE International Advance Computing Conference (IACC-2013), pp. 1317-1323, 2013.
2. **Debabrata Kar**, Suvasini Panigrahi and Srikanth Sundararajan, "SQLiDDS: SQL Injection Detection using Query Transformation and Document Similarity", In proc: International Conference on Distributed Computing and Internet Technology (ICDCIT-2015), pp 377-390, 2015.
3. **Debabrata Kar**, Khushboo Agarwal, Ajit Kumar Sahoo, Suvasini Panigrahi, "Detection of SQL Injection Attacks using Hidden Markov Model", In proc: 2nd IEEE International Conference on Engineering & Technology (ICETECH-2016), pp.1-6, 2016.
4. **Debabrata Kar**, Ajit Kumar Sahoo, Khushboo Agarwal, Suvasini Panigrahi, Madhabananda Das, "Learning to Detect SQLIA Using Node Centrality with Feature Selection", In proc: 2016 International Conference on Computing, Analytics and Security Trends (CAST-2016), pp. 18-23, 2016. **(Received Best-Paper Award in its Track)**