



## **Dr. Abinash Tripathy**

Associate Professor

### **Department**

Computer Science and Engineering

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### **Academic background**

- Ph.D. Computer Science and Engineering, National Institute of Technology, Rourkela, Odisha.
- M.Tech. Computer Science and Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha.
- M.Sc. Computer Science, Utkal University, Bhubaneswar, Odisha.
- B.Sc. Computer Science, Rajendra College, Bolangir, Odisha.

Dr. Abinash Tripathy has worked in the field of Sentiment Analysis. He has taken subjects like Database Management System, Software Engineering, Computer Graphics, and Computer Networks.

He has published 11 papers in various journals and conferences, which are indexed in Scopus and Science Citation Indexing.

He has published one book in the area of Software testing using UML diagrams.

He is a member of various professional groups like IACSIT, IAENG, UACEE, IRED.

### **Achievements**

#### **Book**

- Abinash Tripathy, Automatic and Optimized Test Case Generation, LAP LAMBERT Academic Publishing, Germany, ISBN: 978-3-659-68736-5.

#### **Journal**

- Abinash Tripathy and Santanu Kumar Rath, Object Oriented Analysis using Natural Language Processing concepts: A Review, International Journal of Information Processing (IJIP), Volume: 9, Issue: 3, pp. 28-38. ISSN: 0973-8215
- Abinash Tripathy, Ankit Agrawal and Santanu Kumar Rath, Classification of Sentiment Reviews using N-gram Machine Learning Approach, Expert System with Application, Elsevier, Volume: 57, pp. 117-126, DOI: 10.1016/j.eswa.2016.03.028, (SCI, IF- 3.768) . ISSN: 0957-4174
- Abinash Tripathy and Santanu kumar Rath, Classification of Sentiment of Reviews using Supervised Machine Learning Techniques, International Journal of Rough Sets and Data Analysis (IJRSDA), IGI Global, Volume: 4, Issue: 1 , pp. 56-74 DOI: 10.4018/IJRSDA.2017010104.
- Abinash Tripathy, Abishek Anand, Santanu Ku. Rath, Document-level Sentiment Classification using Hybrid Machine Learning Approach , Knowledge and information system, Springer, Volume : 53, Issue: 3, PP. 805-831, DOI: 10.1007/s10115-017-1055-z, (SCI, IF- 2.247) . ISSN: 0219-1377

#### **Conference**

- Abinash Tripathy, Alok kumar Jena, Sentiment Analysis using Semi Supervised Machine Learning Technique, Springer, International Conference on Machine Learning, Internet of Things and Big Data, Indira Gandhi Institute of Technology, Sarang, Odisha, 19-20 September 2020.
- Abinash Tripathy, Ankit Agrawal, Santanu Ku. Rath, Classification of Sentimental Reviews Using Machine Learning Techniques, Elsevier, 3rd International

Conference on Recent Trends in Computing (ICRTC), SRM University, Ghaziabad, India, 12-16 March 2015.

- Abinash Tripathy, Ankit Agrawal, Santanu Ku. Rath, Requirement Analysis Using Natural Language Processing, 5th International Conference on Advances in Computer Engineering (ACE2015), Kochi, Kerela, India, 26-27 December, 2014.
- Abinash Tripathy and Arup Abhinna Acharya, Automatic test case generation from a combination of activity and sequence diagram, International Conference on Software Engineering Theory and Practice (SETP-09), Orland, FL, USA, 13-16 July 2009.