



Pulak Sahoo, Ph.D.

Designation : Associate Professor

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

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RESEARCH INTERESTS

- ✓ Software Engineering and Software Testing:
- ✓ Early Test Effort Estimation using UML Models
- ✓ Application of Soft Computing Techniques in Software Testing
- ✓ Model based Software Testing
- ✓ Test Case Generation from UML Models
- ✓ Application of Soft Computing Techniques in web based and medical applications

Academic Qualifications

- ✓ Ph. D. (Computer Science and Engineering), KIIT University, India
- ✓ M. Tech (Computer Science and Engineering), Biju Patnaik Institute of Technology, India
- ✓ MCA, A.U. College of Engineering, Visakhapatnam, India

Teaching Experience/Industrial Experience/Research Experience

- ✓ 10 years Teaching experience (Silicon Institute of Technology, India)
- ✓ 13 years IT Industry experience (Capgemini, Wipro, HP)

JOURNAL & CONFERENCES

- [1]. **Sahoo, P.**, Mohanty, J. R., "Test Effort Estimation in early stages using Use Case and Class Models for Web Applications", International Journal of Knowledge-Based and Intelligent Engineering Systems, IOS Press, vol. 22, no.3, 2018, pp. 215-229. **(Scopus & SCI indexed)**
- [2]. **Sahoo, P.**, Mohanty, J.R, "Test Effort Estimation in early stages using Use Case and Class Models for Web Applications", International Journal of Knowledge-Based and Intelligent Engineering Systems, 2018. **(Scopus indexed)**
- [3]. **Sahoo, P.**, Mohanty, J.R, Sahoo D., "Early System Test Effort Estimation Automation for Object-Oriented Systems", Springer, Information and Decision Sciences, pp 325-333, 2018. **(Scopus indexed)**
- [4]. **Sahoo, P.**, Mohanty, J.R, "Early Test Effort Prediction using UML Diagrams", Indonesian Journal of Electrical Engineering and Computer Science, vol. 5, no.1, pp. 220-228, 2017 **(Scopus indexed)**
- [5]. **Sahoo, P.**, Behera, A. K., Pandia, M. K., Dash, C. S. K., Dehuri, S., " On the study of GRBF and polynomial kernel based support vector machine in web logs", 2013 1st International Conference on Emerging Trends and Applications in Computer Science (ICETACS) (IEEE), pp. 1-5, 2013. **(Scopus indexed)**
- [6]. Dash, C. S. K., Saran, A., **Sahoo, P.**, Dehuri, S., Cho, S. "Design of self-adaptive and equilibrium differential evolution optimized radial basis function neural network classifier for imputed database", Pattern Recognition Letters (Elsevier), vol. 80, pp. 76-83, 2016 **(Scopus indexed)**
- [7]. Dash, C. S. K., **Sahoo, P.**, Dehuri, S., Cho, S. "An empirical analysis of evolved radial basis function networks and support vector machines with mixture of kernels", International Journal on Artificial Intelligence Tools (World Scientific), vol. 24, no. 4, 2015 **(Scopus indexed)**

ANY OTHER

Book Chapter
Conferences attended