



## Rabindra Kumar Dalei, Ph.D.

**Designation** : Associate Professor

**Department** : Department of MCA

(JOINED THE INSTITUTE IN 2009)

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### RESEARCH INTERESTS

- ✓ Wireless Sensor Networks
- ✓ Mobile Computing
- ✓ Machine Learning

### Academic Qualifications

Ph. D. (CSE), Siksha 'O' Anusandhan University, India

M. Tech. (CS) Utkal University, India

M.C.A, Kakatiya University (NIT,Warangal), India

### Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching Experience: 17 years

## PUBLICATIONS

### JOURNAL & CONFERENCES

[1] **Rabindra Kumar Dalei**, Satyananda Champati Rai, "Security Analysis of Ad-hoc Network, International Conference on "Computer Security : Issues and Solutions (ICCS-2010), 2010.

[2] **Rabindra K Dalei**, Simulation and Analysis of DSDV and AODV for Mobile Ad Hoc Network (MANET) Using NS-2, National conference on Future Trends in Information & Communication Technology & Applications (NCICT-11), pp. 97-100, 2011.

[3] Damodar Nayak & **Rabindra Kumar Dalei**, Multi-Class Traffic Management in 4G Network, International Journal of Advances in Engineering & Technology, Vol. 4, Issue 2, pp. 138-147, 2012.

[4] **Rabindra Kumar Dalei**, Suchismita Rout, An Adaptive Power Aware Framework for Energy Efficient Wireless Ad Hoc Network, Int. J. of Recent Trends in Engineering & Technology, Vol. 11, Issue:2, pp. :248-253, 2014

[5] **Rabindra Kumar Dalei**, Satyananda Champati Rai, Ajit Kumar Nayak, Performance analysis of Routing Protocols in Heterogeneous Wireless Sensor

Networks, International Conference on “Futuristic Trends in Computational analysis and Knowledge management” (A-BLAZE 2015), 2015

[6] **Rabindra Kumar Dalei**, Real-Time Health Monitoring through Smart and Content-Aware Sensor Network, International Conference on Medical Informatics 2016 (ICMI2016), 2016

[7] Pradyumna Kumar Tripathy, Ranjan Kumar Dash, **Rabindra Kumar Dalei** and Chitta Ranjan Tripathy, A Path-Set Based Approach for Two-Terminal Reliability Computation of Interconnection Networks, International Conference on Innovative Research in Engineering and Science (IRES 2017), 2017

[8] **Rabindra Kumar Dalei**, Ajit Kumar Nayak & Satyananda Champati Rai, Low Energy Stable Election Content Matching Routing Protocol for Wireless Sensor Network, 2nd International Conference on Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2017), pp. 807-814, 2017

[9] **Rabindra Kumar Dalei**, Ajit Kumar Nayak & Satyananda Champati Rai, Low Energy Stable Election Content Matching Routing Protocol for Wireless Sensor Network, Journal of Engineering and Applied Sciences, 12 (22 SI), pp. 6234-6239, DOI:10.3923/jeasci.2017.6234.6239, 2017 (**SCOPUS Indexed**)

[10] **Rabindra Kumar Dalei**, R. K. Dalei, S. C. Rai, and A. K. Nayak, “A Content Aware Framework with Optimal Path Selection in Wireless Sensor Networks,” Journal of Engineering and Applied Sciences, 13 (20), pp. 8629-8633, DOI: 10.3923/jeasci.2018.8629.8633, 2018 (**SCOPUS Indexed**).

[11] **Rabindra Kumar Dalei**, A. K. Nayak, and S. C. Rai, “Low Energy Stable Election Content Matching Routing Protocol for Wireless Sensor Network,” International Journal of Control Theory and Application, 10 (13), pp. 55-64, 2017 (**SCOPUS Indexed**).

[12] Pradyumna Kumar Tripathy, Ranjan Kumar Dash, **Rabindra Kumar Dalei** and Chitta Ranjan Tripathy, A Path-Set Based Approach for Two-Terminal Reliability Computation of Interconnection Networks, Journal of Engineering and Applied Sciences, Medwell Journals, Vol. 13, No. 3, pp. 3243-3249, 2018

[13] **Rabindra Kumar Dalei**, Satyananda Champati Rai, and Ajit Kumar Nayak, Content Routing Framework for Wireless Sensor Networks, International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering - (ICRIEECE), IEEE, 2018

## ANY OTHER

Book Chapter  
Conferences attended