



Name: **Dr. Sarat Chandra Nayak**

## Personal Information

---

Designation: Professor

Qualification: M.Tech., PhD

Experience: 08 years

Specialization: **Machine Learning, Soft Computing, Evolutionary Computation, Predictive Systems**

Date of Joining: 1<sup>st</sup> May 2018

Phone Numbers: 9438420234

Email-Id: drsaratchandranayak@cmrcet.org

## Achievements/Publications/Workshops/Seminar/Guest Lectures

### Publications

- [1]. **S. C. Nayak**, Misra, B. B., and Behera, H. S. (2018), 'ACFLN: artificial chemical functional link network for prediction of stock market index', *Evolving Systems*, doi 10.1007/s12530-018-9221-4, **Springer (ESCI/SCOPUS/WEB OF SCIENCE)**
- [2]. **S. C. Nayak**, Misra, B. B., and Behera, H. S. (2017), 'Efficient financial time series prediction with evolutionary virtual data position exploration', *Neural Computing and Applications*, <https://doi.org/10.1007/s00521-017-3061-1>, **Springer (SCI/SCOPUS/WEB OF SCIENCE)**
- [3]. **S. C. Nayak**, Misra, B. B., and Behera, H. S. (2017), 'Artificial chemical reaction optimization based neural net for virtual data position exploration for efficient financial time series forecasting'. *Ain Shams Eng J* (2017), <http://dx.doi.org/10.1016/j.asej.2016.10.009>, **Elsevier (SCOPUS)**
- [4]. **S. C. Nayak**, Misra, B. B., and Behera, H. S. (2015), 'Artificial Chemical Reaction Optimization of Neural Networks for Efficient Prediction of Stock Market Index', *Ain Shams Engineering Journal*, **Elsevier (SCOPUS)**
- [5]. **S. C. Nayak**, Misra, B. B., and Behera, H. S. (2014), 'Exploration and Incorporation of Virtual Data Position for Efficient Forecasting of Financial Time Series', *Int. Journal of Industrial and Systems Engineering*, Vol. 26, No. 1, **Inderscience (SCOPUS)**

### Achievements

- GATE 2012
- State rank 1 in entrance examination for admission into M.Tech. course in Utkal University, Bhubaneswar, 2009.
- Best research paper award in ISCIA-2011 and ICAIECES-2017

## **Workshops Conducted**

- [1]. *Scientific and Engineering Applications with MATLAB*. (May 2014), Silicon Institute of Technology, Bhubaneswar, (Resource person).
- [2]. Workshop on Computer Programming, under the National Mission on Education through ICT, MHRD, Govt. Of India, Silicon Institute of Technology, (Teaching Asst.)
- [3]. *Scientific and Engineering Applications with MATLAB*. (December 2014), Department of Statistics, M.Tech (IT), Utkal University, Bhubaneswar, (Resource person)