

FACULTY PROFILE



Name: Dr. JYOTIRANJAN NAYAK

Designation: Associate Professor

Teaching areas: Operations Research, Engineering Mathematics.

Research interests: Optimization theory, Fuzzy Set Theory

Education:

- Ph.D from Utkal University, Bhubaneswar (2005)
- M.Sc.(1988) and M.Phil.(1991) from Berhampur University ,Odisha

Total Professional Experience: (Total 28 years)

1. Associate Professor,(July 2017-) Fst, IFHE, Hyderabad, Telangana, India.
2. Associate Professor, , ITER,SOA University, Bhubaneswar, (2011-2016)
3. Principal, , GATE, Berhampur,(2009-2011)
4. Sr. Lecturer and Asst. Professor, 2004-2009, ITER, Bhubaneswar,(2004-2009)
5. Lecturer , Orissa Engineering College, Bhubaneswar, (Oct.1990-Jul.2004)

Research Guidance: Guided 3 scholars. Awarded 2. One result awaited under Utkal University, Bhubaneswar

Research / Selected Publications:

1. S.K.Behera, J.R.Nayak,Solution of Multi-objective Mathematical Programming Problems in Fuzzy Approach, International Journal on Computer Science and Engineering , Vol 3,No,12,3790-3799,(2011).
2. S.K.Behera, J.R.Nayak, Optimal Solution of Fuzzy Nonlinear Programming Problems with Linear Constraints, International Journal of Advances in Science and Technology,Vol. 4, No.2,43-52, (2012).
3. B.Sunita Mishra, J.R.Nayak, Duality Theorems for k-convex Functions, J. Math. Comput. Sci. 3 No. 5,1295-1305,(2013), Available online at <http://scik.org>.
- 4.S.K.Behera, J.R.Nayak, Optimality Criteria for Fuzzy Pseudo Convex Functions, Indian Journal of Science and Technology, Vol 7(7), 986–990,(2014).
- 5.S.Mishra,J.R.Nayak, A Parametric Approach to Non-Convex Optimal Control Problem, American Journal of Operations Research,4,53-58,(2014),<http://www.scirp.org/journal/ajor>, doi.org/10.4236/ajor.2014.42006.
- 6.J.R.Nayak,S.K.Behera,P.K.Sahoo, Solution of Fuzzy Transportation Problem by Using Ranking Function, Advanced Science Letters,Volume 22, Number 2,564-566, American Scientific Publishers (2016).
- 7.J.R. Nayak, S.Mishra, Symmetric Dualityand Complementarity in Non-Convex Programming, Book Chapter, Operations Research in Development Sector, Asset Analytics,Springer-Nature,53-61,2018,https://doi.org/10.1007/978-981-13-1954-9_4.