Faculty Profile

Name:	**Dr. Jyotiranjan Nayak**
Designation:	Associate Professor
Teaching Areas:	Operations Research, Optimization Techniques, Linear Algebra, Number Theory, Discrete Mathematics.
Research Interests:	Theory of Optimization, Fuzzy Sets.
Education:	Ph. D. Utkal University, Bhubaneswar,2005
	M. Phil., Berhampur University,1991
	M. Sc. , Berhampur University,1988

Professional Experience: (Total 30 Years)

1. Associate Professor, ITER, Siksha O Anusandhan, Bhubaneswar(2011-2016)
2. Principal, Gandhi Academy of Technology and Engineering, Berhampur(2009-2011)
3. Assistant Professor, ITER, Siksha O Anusandhan, Bhubaneswar(2006-2009)
4. Senior Lecturer, ITER, Bhubaneswar(2004-2006)
5. Lecturer, Orissa Engineering College, Bhubaneswar(1990-2004)

Research / Selected Publications:

1. Tripathy A., Subudhi R., Patnaik S., **Nayak J**. (Editors) Operations Research in Development Sector, Publisher © Springer Nature,SingaporePte Ltd.(2019).
2. Sasmita Mishra, **JyotiranjanNayak**, "Symmetric Duality and Complementarity in Non- Convex Programming", Operations Research in Development Sector. Asset Analytics (Performance and Safety Management). Springer, Singapore. (2018) Pages53-61.
3. P.K. Sahoo, S.K. Behera, **J.R. Nayak**,Solution of Fuzzy Transportation Problem by Using Ranking Function, Advanced Science Letters, American Scientific Publishers, 22 (2), 564-566,(2016).
4. B.S .Mishra, **J.R. Nayak**, P.K. Satpathy, Duality Theorems for Non-Convex Mixed Integer Programming Problems, International Journal of Computing and Optimization, HIKARI Ltd, www.mhikari.com, Vol. 3, , No. 1, 1- 9,(2016)
5. S. Mishra, **J.R. Nayak**, A Parametric Approach to Non-Convex Optimal Control Problem, American Journal of Operations Research, 4(02), 53-,(2014), http://www.scirp.org/journal/ajor

Ph.D. Guidance: Thesis Supervised:

1. Some Problems and Application of Non-Convex Programming: A Fuzzy Approach (2014), **Awarded** (Utkal University)Principal Supervisor
2. Optimization of some Non-Convex functions- A Numerical and Algorithmic Approach (2015) Completed (Utkal University) Principal Supervisor
3. Some Problems of Parametric Non-Convex Programming on Convex Cones (2019) **Awarded** (Utkal University) Principal Supervisor