

QIP Short-term course on “Genetic Algorithms for Engineering Optimization”

28th December 2014 to 1st January 2015

Program Schedule

28th December 2014: Orientation Program, 7-9 PM, Guest house dining room at first floor

Date	9:00 - 10:30	10:30 - 10:45	10:45 – 12:30	12:30- 2:00	2:00-3:30	3:30-3:45	3:45-5:15	5:15-6:15
29 th December 2014	Inauguration	High Tea	Simulated Annealing, GA, Case Studies (Prof. S. Bandopadhyay, Indian Statistical Institute, Kolkata, WB)	Lunch break	Principles of Optimum Design (Prof. V.K. Tripathi, College of Engineering Pune, MH)	Tea break	Applications in Engineering (Case Studies) (Prof. V. K. Tripathi, College of Engineering Pune, MH)	Tutorial (Prof. A. Saxena, IIT Kanpur, UP)
30 th December 2014	Binary and Real Coded GAs (Dr. D. Sharma)	Tea break	Variation Operators (Prof. A. Anand, IIT Guwahati)		Real Coded EAs: GAs, DE, PSO (Prof. D. Datta, Tezpur University, AS)		Introduction to Evolutionary Computation (Dr. D. Sharma)	
31 st December 2014	Multi-Objective Optimization (Dr. D. Sharma)		Multi-Objective Optimization (Prof. D. Datta, Tezpur University, AS and Dr. D. Sharma)		Combinatorial Optimization (Prof. D. Datta, Tezpur University, AS)		Valedictory High Tea	Pedagogy

1st January 2015: Lab visit, 9AM-12noon