



NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH ANDHRA PRADESH, INDIA

Department of Computer Science and Engineering

Five Days Online Faculty Development Programme on OPTIMIZATION TECHNIQUES AND APPLICATIONS

21st – 25th September 2020
About the FDP and Call for Registration



Patron

Prof. C.S.P. Rao
Director, NIT Andhra Pradesh



Convener

Dr. Karthick Seshadri
Assistant Professor & Head, Dept. of CSE



Coordinator

Dr. Srilatha Chebrolu
Assistant Professor, Dept. of CSE

The main objective of this FDP on “Optimization Techniques and Applications” is to acquaint the participants with the practical aspects of optimization methodology, with a major focus on the techniques and strategies through lectures sessions. The FDP will be useful to research scholars and faculty working in the domains of optimization algorithms, ranging from those applicable to the minimization of a single-variable function to those suitable for large-scale nonlinear constrained applications.

National Institute of Technology, Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh is established in the state of Andhra Pradesh recently in the academic year 2015 – 2016. The institute offers B.Tech., M.Tech., M.S. (by research) and Ph.D. programmes in major Engineering disciplines. The institute is about to launch M.Tech. programmes across thrust Engineering domains.

The department offers B. Tech, M. Tech (Computer Science and Data Analytics), M.S (by Research) and Ph.D. programmes. The department has qualified, dedicated, experienced faculty with deep sense of commitment towards the students and institution. Faculty proficiency in thrust areas of Computer Science motivates students to participate in research activities and skill development programs. The department has a very good placement record. Faculty research interests include, but are not limited to the following areas; Artificial Intelligence, Machine Learning, Pattern Recognition, Big data Analytics, NLP, Deep Learning, Cyber Security, Cryptography.

Speakers



Dr. Vikas Vikram Singh
Assistant Professor
IIT Delhi



Dr. B B Upadhyay
Assistant Professor
IIT Patna



Dr. Debdas Ghosh
Assistant Professor
IIT Bhubaneswar



Dr. Charitha Ch
Visiting Assistant Prof.
IIT Indore



Dr. Karthick S,
Assistant Professor
NIT Andhra Pradesh



Dr. Nagesh B S
Assistant Professor
NIT Andhra Pradesh



Dr. Srilatha Ch
Assistant Professor,
NIT Andhra Pradesh

Schedule

Date	FN Session 10:00 AM to 12:00 PM	AN Session 2:00 PM to 4:00 PM
21.09.2020	Linear Programming Dr. Vikas Vikram Singh	
22.09.2020	Integer Programming Dr. Charitha Ch	Goal Programming Dr. Srilatha Chebrolu
23.09.2020	Network Optimization Models Dr. Srilatha Chebrolu	Approximability of hard optimization problems Dr. Karthick Seshadri
24.09.2020	Non-linear Programming (with out constraints) Basic Concepts, Fibonacci and Golden Section search, Hooks and Jeeves search, Gradient Projection Dr. Debdas Ghosh	
25.09.2020	Non-linear Programming Equality and Inequality Constraints Dr. Balendu B Upadhyay	Non-linear Programming (with constraints) Maximum Entropy Formulation Dr. Nagesh Bhattu

General Instructions

The participants of the course will be faculty & Ph.D. scholars from technical institutions. A Registration fee of Rs. 200/- needs to be paid only after getting the confirmation email from the FDP coordinator. Selection will be done on a First Come First Served basis. Modality of the programme is online webinars through GMeet. E-certificates will be issued to the participants who attend all the sessions and clear the quiz at the end of the programme. Please [Click here](#) for online registration.

Last date for receipt of application: 10th Sep 2020

Coordinator: Dr. Srilatha Chebrolu
Assistant Professor,
Department of Computer Science and Engineering
NIT Andhra Pradesh, Mobile: 8330967036
Email: srilatha.chebrolu@nitandhra.ac.in