CONTACT

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GENERAL INFORMATION

Guru Nanak Dev Engineering College, Ludhiana is the oldest and a premier Engineering Institute of India. It is an autonomous college under UGC Act 1956 [2(f) and 12(B)]. The Institute is setup on 88 acres of sprawling pristine land on Ludhiana-Malerkotla state highway. Ludhiana city is a well known Industrial hub in Northern India and is well connected by direct rail service with all parts of India. The beautiful campus is about 7 kms away from railway station . The weather in the month of July in Ludhiana is hot with temperature around 42°C.

REGISTRATION

There is no Registration fee for the participants from AICTE recognized Institutes. Participants from industry/ non AICTE institutes shall have to pay registration fee of Rs. 1000/-

TEQIP-II Sponsored
Faculty Development Programme on
Nature Inspired Computational Techniques for Engineering and Sciences

(July 21, 2014 to July 25, 2014)

Chief Coordinator

Dr. Sandeep Singh Gill

Coordinators

Dr. Munish Rattan
Er. Narwant singh Grewal

Organized by
Department of Electronics & Communication Engineering
GURU NANAK DEV ENGINEERING COLLEGE
Ludhiana, Punjab - 141006

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INTRODUCTION

The Nature Inspired Computational techniques are the Numerical and Computer based techniques for solving a variety of practical problems that arise in different fields . Natural Computing coveres three classes of methods which includes inspiration from nature for the development of novel problem solving techniques, use of computers to synthesise natural phenomenon and employs natural materials to compute. The major techniques under this field includes: ANN, Swarm Intelligence, FA, Artificial Immune system, , DNA Computing etc.

COURSE CONTENTS

The aim of the course is to provide the participants understanding of Nature Inspired Computing Techniques and its Applications. At the end of the course, the participants are expected to have a fair understanding of:

- Nature Inspired Computing Techniques
- Particle Swarm Optimization and its Applications
- Biographical Based Optimization and its Applications
- Firefly Algorithm and its Applications
- Bat Algorithm and its Applications
- Hybrid Algorithms and their Applications
- Other Nature Inspired Algorithms

FACULTY

Experts from IITs, NITs and other renowned academic Institutions besides faculty from our institute will deliver expert talks.

ELIGIBILITY CRITERIA

The program is interdisciplinary in nature and has been designed for all Engineering, Sciences & Management Faculty, professionals, practicing Engineers, and PG students.

BOARDING & LODGING

Accommodation shall be provided in college hostels free of charge. However, guest house/ hotel/lodge may be booked on payment basis if intimated well in advance.

IMPORTANT DATES

Last date for Receiving Application: July 15, 2014

Notification of Acceptance: July 17, 2014

Nature Inspired Computational Techniques for Engineering and Sciences

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APPLICATION FORM

Name: …….

Father's Name: ……..

Date of Birth: ……..

Academic Qualification:…….

Designation:……..

Address of Sponsoring Authority:……

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Experience (years) : ……

Mobile No……..

E-Mail : ……..

Accommodation required : Yes/No

Date: Signature of Applicant

SPONSORSHIP CERTIFICATE

The applicant will be permitted to participate in the above programme, if selected. It is also certified that this institute is recognized by AICTE.

Signature of sponsoring authority