

PREAMBLE

Evolutionary Computing and Optimization is ubiquitous and spontaneous process that forms an integral part of our day-to-day life. In the most basic sense, it can be defined as an art of selecting the best alternative among a given set of options. Optimization plays an important role in engineering designs, agricultural sciences, manufacturing systems, economics, physical sciences, pattern recognition and other such related fields. This workshop on "National Workshop on Advances in Evolutionary Computing and Optimization Techniques" (AECOT) aims to bring together researchers and students to gain knowledge on the advanced trends in optimization techniques. There has always been an inherent gap between the academic curriculum and the industry practices. To bridge this gap and to cope up with the industry expectations in solving problems with optimization methods, eminent resource person from Industries/Research Institutes/Higher Education Institutes will be delivering lectures and giving training on optimization tools for the participant.

SCOPE OF THIS WORKSHOP

- Introduction to Evolutionary Computation
- Popular instances of Evolutionary Algorithms (EAs) including Genetic Algorithms
- EA as a tool for problem solving Applications of Evolutionary Computation
- Customizing EAs for research applications
- Prepare and import data from different sources for optimization
- Gain a realistic view on the use of optimization for business applications
- MATLAB Tool Support for Optimization
- WEKA – A Tool for Machine Learning and Data Mining
- SPSS Statistics -Tool for logical batched and non-batched statistical analysis

COURSE FACULTY

Faculty of Pondicherry Engineering College, Faculty from reputed institutions and experts from R&D organizations.

ELIGIBILITY

The Faculty Members/Research Scholars/Students of AICTE approved Engineering Colleges /Polytechnics and Professionals from Industry are eligible to apply for the course. Teachers belonging to other disciplines may also apply if this course would supplement their research. Admission will be offered subject to the availability based on First come First Serve basis.

COURSE FEE

Rs. 750/- : For Faculty members / Research scholars / Industry / Research Organization (Payment to be made through Demand Draft in favor of "THE PRINCIPAL PEC, Workshop on AECOT", payable at Canara Bank, Pondicherry Engineering College Branch, Pondicherry)

TA/DA and ACCOMMODATION

No TA/ DA will be paid to the participants. Working lunch, tea and refreshments will be provided to all the participants. Accommodation will be provided to the selected outstation participants in the campus, upon request, at their own expenses.



REGISTRATION

Registrations can be done online by following the link (<https://goo.gl/kw7gnB>). Interested participants shall apply through post/fax/email with the prescribed format duly signed and forwarded by the head of the sponsoring institution.

IMPORTANT DATES

Last date for registration : 17.10.2017

Intimation of selection : 20.10.2017

The selection of the participants will be intimated through E-mail only.

DSTE SPONSORED NATIONAL WORKSHOP ON

Advances in Evolutionary Computing and Optimization Techniques (AECOT)

OCTOBER 26th & 27th, 2017

REGISTRATION FORM

Name: Dr./Mr./Ms: _____

Gender: Male / Female

Academic Qualification: _____

Designation/Dept.:- _____

Years of Teaching Experience: _____

Area of Specialization: _____

Phone/Fax: _____

E-mail:- _____

Contact No: _____

Address: _____

PIN code: _____

Is the institution approved by AICTE? Yes/No

Need accommodation: Yes/No

Signature of the Applicant

Forwarded by (Head of the Institution)

DECLARATION BY APPLICANT

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the workshop Programme. I shall attend the programme for the entire duration.

Place:

Date:

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Ms ----- is an employee/Research Scholar of our institution and is sponsored to attend the DSTE sponsored National Workshop on "Advances in Evolutionary Computing and Optimization Techniques" (AECOT). He/She will be permitted to attend the workshop fully, if selected.

Place:

Date:

Signature of the Sponsoring Authority with seal

Address for Correspondence

Dr. R.KALPANA

Dr. J.JAYABHARATHY

Coordinators- (AECOT- 2017)

Department of Computer Science & Engineering,

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ABOUT PUDUCHERRY

Heritage is one of the most precious gifts, Puducherry offers to its tourists and visitors. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. The great poets Subramaniya Bharathi, Bharathidasan, Sri Aurobindo are some of the legends associated with Puducherry. Sri Aurobindo Ashram, Auroville, Bharathi Park, Ousteri Lake, Chunambar boat house, Botanical Garden, Manakula Vinayagar Temple, and Arikamedu (archaeological importance) are some of the major tourist attractions of Puducherry.

ABOUT THE INSTITUTION

Pondicherry Engineering College (PEC) is an autonomous institution started in the academic year 1985-86 under the seventh plan is promoted and fully funded by the Government of Puducherry. Ever since its inception, the college has registered speedy progress and it now offers eight undergraduate, thirteen post graduate courses, and PhD programmes in all branches of Engineering and basic Sciences. The college has been granted funds by NPIU under TEQIP Phase II and the project is under implementation. The college is situated at Pillaichavady, about 12 Km from Puducherry town and about 150 Km from Chennai along the scenic beauty East Coast Road (ECR) on the shores of the Bay of Bengal.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering (CSE) was established during the inception of the college. The Department offers B.Tech (CSE), MCA, two M.Tech programmes with specializations in Distributed Computing Systems and Information Security and Ph.D programme.

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COORDINATORS

**Dr. R.KALPANA
Dr. J.JAYABHARATHY**



Organized by

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(An Autonomous Institution of Govt. of Puducherry)
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