

DECLARATION:

I declare that the details furnished are true to the best of my knowledge and I agree to abide by the rules and regulations of the institution.

Place :

Date : *Signature*

SPONSORSHIP CERTIFICATE (If applicable)

Dr. / Mr./ Ms. _____ is an employee of our institute / Organization and is hereby sponsored. He / She will be permitted to attend the workshop, if selected.

Place :

Date :

*Signature of the
Sponsoring Authority with Office seal*

Filled up Application form with Registration fee is to be sent to:

Dr. M. K.MARICHELVAM,
Assistant Professor (Senior Grade),
Dept. of Mechanical Engineering,
Mepco Schlenk Engineering College (Autonomous),
Sivakasi - 626005,
Tamilnadu. Tel.: +91 – 4562- 235660
Mobile: 9751043410, 9043820958
E-mail: mkmarichelvamme@gmail.com

Please scan your application and send by Email to the above email ID and follow it up posting the hard-copy.

REGISTRATION FEE

- **Rs. 600/- for faculty from educational institutions.**
- **Rs. 500/- for PG, UG students**
- Demand Draft to be taken in favour of **Mepco Schlenk Engineering College payable at Sivakasi.**

ACCOMODATION FEE

- Guest house (per day): Rs.500/- (for A/c), Rs.300/- (for Non-A/c)
- Hostel (per day): Rs. 100/-

WORKSHOP HIGHLIGHTS

- Nature – Inspired Algorithms : Introduction
- Recent Nature – Inspired Algorithms: Monkey Search Algorithm, Lion Optimization Algorithm, Genetic Algorithm, Scatter Search algorithm, Particle swarm optimization algorithm, Firefly algorithm, Cuckoo Search algorithm, Bat algorithm & Hybrid algorithms.

RESOURCE PERSONS

Experienced faculty members from NIT, SRM & MEPCO Schlenk Engineering College.

WHO CAN ATTEND?

- ✓ Faculty from Engineering colleges and Polytechnic colleges.
- ✓ Research Scholars
- ✓ PG and UG Students

IMPORTANT DATES

Last date for receipt of Registration Form along with DD : 10.12.2018
Date of intimation regarding selection by E-mail : 11.12.2018

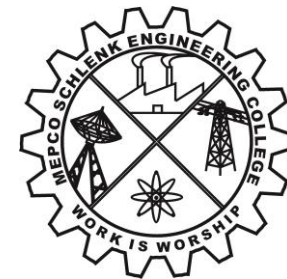
Two day workshop on **Nature – Inspired Algorithms for Engineering Applications**

Date: 14.12.2018 & 15.12.2018

Co-ordinators

Dr. M. K. MARICHELVAM, M.E., Ph.D
Assistant Professor (Senior Grade)

Mr. S. SENTHIL MURUGAN, M.E., (Ph.D), MIE
Assistant Professor (Senior Grade)



Organized by

DEPARTMENT OF MECHANICAL ENGINEERING
MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI
(An Autonomous Institution)
Mepco Engineering College Post - 626 005
Sivakasi, Virudhunagar District, Tamil Nadu.

ABOUT THE INSTITUTION

Mepco Schlenk Engineering College (Autonomous), Sivakasi is one of the leading institutions in India, towering high in academic excellence and research pursuits ever since its inception on 1984. College is accredited with "A" Grade by National Assessment and Accreditation Council (NAAC) of UGC, New Delhi. The Institute offers under graduate programs in 7 disciplines and post graduate programs in 9 specializations. It has collaborations with leading Industrial, Academic and Research organizations in India and abroad. The college has been sanctioned with 116 sponsored research projects worth of 13.00 crores from various funding agencies like NPOL, DST, DRDO, AICTE, ISRO, etc. The college is ISO 9001:2008 certified and all its UG Programs are accredited by NBA under Tier I category. Our College got 5th rank at National level in Top Engineering Colleges of Eminence category in the CSR-GHRDC Engineering Colleges Survey June 2017 and 30th rank for National Level Engineering Colleges including IITs, NITs by Outlook Survey, June 2017.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering ever since its inception in the year 1993 has been contributing much in academic and research pursuits of the institution. It is accredited by NBA and has been recognized as Research Centre by Anna University, Chennai for collaborative research programmes, which leads to Ph.D. and M.S. degree by research. The department has under taken 33 nos. projects worth of 3.05 crores from various Govt. and Quasi Govt. Organizations like DRDL, ISRO, DST, MSME, etc. The Department is recognized as Center of Relevance and Excellence (CORE) in Industrial Safety by DST, TIFAC, New Delhi. The Labor and Employment (M2) Department, Government of Tamilnadu has recognized M.E. Industrial Safety Engineering course as a

qualification for the post of Safety Officer. The TIFAC CORE enthusiastically extends consultancy, training and testing services to local industries and Institutions in the field of safety, health and environment.

ABOUT THE WORKSHOP

The workshop is designed for two day. The workshop will be conducted at Mepco Schlenk Engineering College premises. The main objective of this workshop is to train teachers to know various algorithms to solve the Engineering problems of various domains.

CONTEXT

Nowadays, Nature Inspired Algorithms is a very active research area since Engineering problems are getting more and more complex due to size and other aspects. To tackle such problems the existing methods are not effective. That is why researchers have proposed several algorithms that are inspired from nature. These algorithms would provide optimal or near-optimal solutions with less computational time. The most recent algorithms are monkey search algorithms, lion optimization algorithms, Artificial Bee Colony Algorithm, the Firefly Algorithm, the Social Spider Algorithm, the Bat Algorithm, the Strawberry Algorithm, the Plant Propagation Algorithm, the Seed Based Plant Propagation Algorithm, cuckoo search algorithms and many others.

OBJECTIVES

- To provide basic information about Nature Inspired Algorithms.
- To impart the knowledge about various Nature Inspired Algorithms.
- To apply the Nature Inspired Algorithms for research applications in various engineering fields.

REGISTRATION FORM

**Two day workshop on
"Nature – Inspired Algorithms for Engineering
Applications"
(14.12.2018 & 15.12.2018)**

Name :

Gender :

Designation :

Institution :

Educational
Qualification :

Experience

Teaching :

Industry :

Address for
Communication:

Pin :

Phone (Off.) :

(Res.) :

(Mobile) :

E-mail ID :

DD No.:

Name of Bank:

Date:

Amount Rs:

Photo copies of the registration form may be used, if needed.