ABOUT THE WORKSHOP

The origin of the fuzzy logic approach dates back to 1965 since Lotfi Zadeh's introduction of the fuzzy set theory and its applications. Since then the fuzzy logic concept has found a very wide range of applications in various domains like: estimation, prediction, control, approximate reasoning, pattern recognition, medical computing, robotics, optimization and industrial engineering, etc. The field of neural networks has a history of five decades but has found solid application only in the past decade and the field is still developing rapidly. Neural networks have been trained to perform complex functions in various fields of application including pattern recognition, forecasting, identification, classification, speech, and vision and control systems. Artificial neural networks (ANN) can be characterized most adequately as computational models with particular properties such as the ability to adapt or learn, to generalize, or to cluster or organize data, and which operation is based on parallel processing. ANN are widely used as an effective approach for handling nonlinear and noisy data, especially in situations where the physical processes relationships are not fully understood and they are also particularly well suited for modeling complex systems on a real-time basis.

In conclusion, both Artificial Neural Networks and Fuzzy Logic modeling systems offer the potential for a more flexible, less assumption approach to engineering problems. The workshop is designed to explore and identify the Research challenges in the application of computational techniques like Fuzzy logic and ANN in the Branches of Electrical science and computer science engineering.

SCOPE AND OBJECTIVE

The purpose of this workshop FLANN-16 is to bring together researchers, designers, developers and practitioners interested in the recent trends and challenges in the areas of application of advanced computational techniques. The workshop broadly covers,

i) Theory of fuzzy Logic, ANN and their applications in smart grid, fault diagnosis, modern Instrumentation, automation, pattern recognition image processing and other Engineering applications.

ii) Hands-on training by experts on simulation tool MATLAB / SIMULINK for the implementation of Fuzzy Logic and ANN applications.

Eminent personalities and experts in the above areas, from the academia, industries and government organization like **IISc, IEI Mysore, ITIE knowledge solutions, JMI, New Delhi ,IIM Lucknow, BPCkerala** etc. will lead the discussion and deliver technical talks.

ABOUT THE INSTITUTION

College of Engineering Karunagappally is a premier institute of engineering that has carved a niche for itself in the field of technical education in a very short span of time. Since its inception in 2000, under the aegis of IHRD, the college has made its presence felt in the technical horizon of the state. It has been affiliated to APJ Abdul Kalam Technological University and approved by All India Council for Technical Education (AICTE). Being located in Karunagappally, Kollam district, the college has got access to all means of transport, communication and lodging facilities.

Location

Campus is situated near Veluthamanal junction 4 km towards Sasthamkotta Side from Karunagappally Town 30 Km from Kollam City and 2 Km from Karunagappally Railway Station

ELIGIBILITY

Faculty members, Research Scholars from AICTE approved institutions, Engineers and Scientists from industry with relevant background.

FOOD&ACCOMMODATION

Food includes high tea snacks, Lunch & tea.
Accommodation can be provided on a chargeable basis on prior request.
No TA/DA will be paid.

IMPORTANT DATES

Last date for receiving application:
Selection Intimation to Participants:
(Through E-Mail only)
Last date of receiving application:
10-04-2016

REGISTRATION FEE

Faculty members from TEQIP Institutions: Rs.1000. Faculty members of other college, research scholar and Industry Participants does not have Registration fee. The duly filled-in registration form can be sent through (EMAIL)

Co-ordinator(s)
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Registration Form

TEQIP SPONSORED

A Six Days Workshop on Fuzzy Logic and ANN Applications in Engineering [FLANN-16]

April 18-23

NAME:
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SIGNATURE: …….
NAME AND ADDRESS OF THE SPONSORING ORGANISATION
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SIGNATURE OF APPLICANT WITH DATE

SPONSORSHIP CERTIFICATE

Certified that …… is a faculty/Engineer/Research Scholar of our institution and is hereby sponsored for attending A SIX Day Workshop on Fuzzy Logic and ANN Applications in Engineering [FLANN-16] from April 18-23 2016

Signature of Sponsoring Authority
(With Date and Seal)

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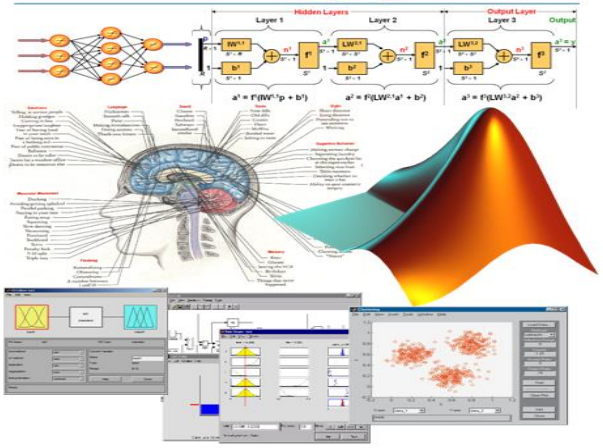
A Six Days Workshop on Fuzzy Logic and ANN Applications in Engineering [FLANN-16]

April 18-23

Training on

Artificial Intelligence :

Neural Network and Fuzzy Logic Fundamental



Coordinator(s)
Prof.Raju M
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Organized By

Department of Electrical and Electronics engineering
College of Engineering
Karunagapally