UNIVERSITY COLLEGE OF ENGINEERING NAGERCOIL

TWO DAYS NATIONAL WORKSHOP ON HANDS-ON MATLAB TRAINING PROGRAM ON INTELLIGENT SYSTEM DESIGN 21st & 22nd MARCH 2013
Organized By
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

REGISTRATION FORM
Name :
Category :
PG Student/ Research Scholar/ Academician/Industry Participant
Department :
Institution :
Address :
Phone Number :
Email ID :
Accommodation Required :
Yes / No
Payment Details
DD.No :
Date :
Bank Name :
Signature of the participant :
Signature of the head of the Institution along with seal :

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Ms. R.Femi (TF/EEE)

RESOURCES PERSON
Mr.S.Mahesh Anand, M.Tech
Chief consultant & Master Trainer
Scientific Computing Solutions, Chennai.

Contact Details:
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University College of Engineering Nagercoil
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Announces
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Website: www.aceucen.org
E-mail:ace.ucen@gmail.com
Objective of the Programme

Soft computing can be used to build hybrid intelligent systems for achieving different goals in the real-world applications. Soft Computing (SC) technique includes, at the moment, Fuzzy logic, neural networks, genetic algorithms, chaos theory methods and similar techniques that have been proposed in the recent years. Each of these technique has advantages and disadvantages. Several real-world problems have been solved by using these techniques.

Who May Benefit?

PG Students, Research Scholars, Industrialists, Faculty members from AICTE recognized Engineering Colleges.

Programme Content

DAY 1
- Introduction to Soft Computing and Pattern Recognition
- Feature description methods / Numerical approach / Structural / Statistical
- Case study 1 : Feature extraction Speech Signal Analysis & ECG / EEG Signal Analysis (1-D signal analysis)
- Case study 2 : Feature extraction Ultra-sound images / Textile Fabric images / Hand
- Written Signature Images (2-D signal analysis)
- Feature extraction in Time / Spatial versus. Frequency Domain : Fourier Transform & Wavelet transform

DAY 2
- Artificial Neural Network (ANN) modelling (Training and Testing)
- Intelligent system design using ANN for case study 1 & 2
- K–Means clustering and Fuzzy C–Means clustering for pattern classification
- Intelligent system design using Fuzzy approach for case study 1 & 2
- Fuzzy Neural Network & other Hybrid Intelligent System Models

Registration Fee

PG Students/ Research scholars : Rs.1200/
Faculty Members : Rs.1500/
Industry Participants : Rs.2000/

DD should be drawn in favour of
THE CONVENER,
ECE DEPARTMENT,
UNIVERSITY COLLEGE OF ENGINEERING NAGERCOIL,
PAYABLE AT IOB GPT KONAM(1762).

Terms and Conditions

- Maximum of 40 members will be permitted
- Participants should bring individual laptops
- Accommodation will be provided on request at first come first serve basis

Dates to remember

Last date for registration : 12-03-2013
Intimation of selection by email : 15–03-2013