DECLARATION OF THE CANDIDATE

The information furnished above is true & correct to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the coordinator sufficiently in advance, in case I am unable to attend the programme.

Place:

Date: Signature of the Candidate

SPONSORSHIP CERTIFICATE

Certified that Mr/Ms/Dr/Prof…….........…………….................. is an employee of our institute and is hereby sponsored for the FDP on "**Advances in Medical Imaging Using Computational Intelligence** " at **Knowledge Institute of Technology** during the period from 26.08.2013 to 07.09.2013. He / She will be permitted to attend the course, if selected. It is also certified that our institute is an approved institute of AICTE.

Date: Signature

(Head of the Institution with seal)

Important Information

Selection will be on first come first serve basis subject to AICTE.

Last date for receipt of Applications   **:** 19.08.2013
Intimation of selection   **:** 20.08.2013
Confirmation by participants   **:** 21.08.2013
Brochure & application form can also be downloaded from our website: http://www.kiot.ac.in

Address for Communication:
Dr.N.Santhiyakumari
Professor& Head
Department of Electronics and Communication Engineering
Knowledge Institute of Technology
KIOT Campus, NH-47, Kakapalayam (Po), Salem – 637504
Mobile: 9994053679, 9488574073
E-mail: hod.ece@kiot.ac.in

ACCOMMODATION

❖ Lunch and snacks will be provided to all the participants.
❖ Lodging and boarding of all selected participants will be provided free of charge at KIOT hostels on prior request.

TRAVEL

Outstation participants from AICTE approved institutions will be given TA / DA as per AICTE norms.

KIOT's HERITAGE

Knowledge Institute of Technology is one of the upcoming Pioneer Institution in India. The college was established in the year 2009. Knowledge Institute of Technology is a brainchild of Eminent Professors from Leading Engineering colleges, Philanthropists Friends, Entrepreneurs who like to contribute in nation building by establishing higher learning institutions. The cutting edge infrastructure, well experienced faculty and accomplished staff make KIOT as a premier center for learning.

The college offers B.E. programs in Mechanical, ECE, EEE, CSE, Civil and M.E program in VLSI Design, Computer Science, Industrial Safety Engineering and Embedded System Technology. Knowledge Business School (KBS) is the sister institution situated in the same KIOT campus, which offers best in class MBA degree. The vast experience of the promoters, in training the students for all-round professional and soft skill development, will ensure every student to transform into an evolved individual and a highly employable professional.

ABOUT THE DEPARTMENT

Established in the year 2009, The Department of ECE enjoys a respectable stature in KIOT. The department has always been on a progressive path as it aims to produce globally competitive and socially sensitized engineering graduates to bring out quality in the frontier areas. The highly experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education in the domain of ECE, through periodically updated curriculum, best of breed laboratory facilities collaborative ventures with industries and by effective teaching learning process.

Apart from classroom teaching there are frequent lectures delivered by renowned speakers drawn from industry and R & D establishments. Supplementing the regular curriculum the students are encouraged to participate in the R & D by involving themselves in the sponsored projects executed by the faculty members of the Department.

AICTE Sponsored

Two Weeks
Faculty Development Programme

On

ADVANCES IN MEDICAL IMAGING USING COMPUTATIONAL INTELLIGENCE

(26.08.2013 to 07.09.2013)

Convener
Dr.N.Santhiyakumari
Professor & Head / ECE

Co-Convener
Prof. M.Thangavel
Professor / ECE, Training Director

Co-Ordinator
Mr. V.Saravanan
Associate Professor / ECE

Venue
Knowledge Institute of Technology, Salem.

Organized by
Department of Electronics and Communication Engineering
Knowledge Institute of Technology
KIOT Campus, NH – 47
Kakapalayam (PO)
Salem – 637504, Tamil Nadu

Tel   :   0427 – 2433951
Fax   :   0427 – 2433999
Website :   www.kiot.ac.in

PREAMBLE

Medical imaging is still on the rise with new imaging modalities being added and continuous improvements of devices' capabilities. Recently, computational intelligence techniques (such as neural networks or evolutionary algorithms) have been employed in various applications in the area of medical imaging. Approaches based on computational intelligence have been shown to be advantageous compared to classical approaches, in particular when classical solutions are hard or impossible to formulate and analyses.

Additionally, medical imaging techniques are constantly gaining ground, mainly due to newly developed imaging modalities and improvement of device capabilities. Combining computational intelligence approaches with medical imaging is undoubtedly a challenging and promising research field.Latest trends have led to considerable improvement and developments in the field of computational intelligence in medical imaging.

COURSE CONTENTS

- ❖ Introduction to Image Processing Techniques & its Applications
- ❖ Soft Computing Techniques & Its Applications
- ❖ Medical Imaging Modalities
- ❖ Computer-Aided Diagnosis (CAD) system
- ❖ Medical Image Registration and Reconstruction
- ❖ Introduction to evolutionary Computing, Genetic Algorithms
- ❖ Evolutionary Computing and its use in medical imaging
- ❖ Neural Networks, Fuzzy Logic Techniques & Its Applications
- ❖ Biomedical Image Analysis & Its Case Study
- ❖ Demo: Hardware & Software used in Medical Image Processing

WHO SHOULD ATTEND

Faculty from various AICTE approved Engineering colleges / Institutions and working professionals from Industries / R&D and other organizations with basic degree in Electrical / Computer / Information Technology / Electronics & Communication / Instrumentation and Biomedical Engineering, etc.

REGISTRATION FEE

Registration fees for participants: Rs. 500/-

Registration fee should be paid as demand draft in favour of "The Principal, Knowledge Institute of Technology, payable at Vembadithalam. The same will be refunded after completing the program
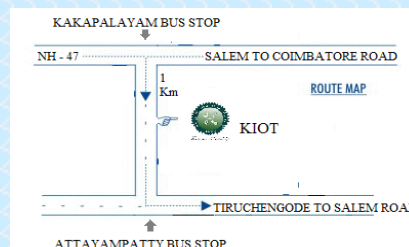
RESOURCE PERSONS

1. Dr.M.Ramasubba Reddy, Professor, Head of Laboratory, Biomedical Engineering Group, Dept. of Applied Mechanics, Indian Institute of Technology, Madras
2. Dr.C.ChandraSekhar, Professor, Dept. of CSE, Indian Institute of Technology, Madras
3. Dr.B.Ramadoss, Professor, Dept. of Computer Applications, National Institute of Technology, Tiruchirapalli
4. Dr.V.Vaidehi, Professor & Head, Dept. of Information Technology, Madras Institute of Technology, Anna University Chennai
5. Dr.T.Thyagarajan, Director-Center for University Industry Collaboration, Co-Ordinator-National hub for Health care Instrumentation, Chairman – IEEE Control System Society Professor, Dept. of Instrumentation Engineering, Madras Institute of Technology, Anna University Chennai
6. Dr.P.AnandhaKumar, Professor & Head, Dept. of Computer Technology, Madras Institute of Technology, Anna University Chennai
7. Dr.R.S.D.WahidaBanu, Principal, Government College of Engineering, Salem
8. Dr.M.Chandrasekaran, Professor & Head, Dept. of ECE, Government College of Engineering, Salem
9. Dr.M.Madheswaran, Principal, Mahendra Engineering College, Salem
10. Dr.K.Bommana Raja, Professor & Head, Dept. of Biomedical Engineering, PSNA College of Engineering & Technology, Dindigul
11. Dr.K.B.Jayanthi, Professor & Head, Department of ECE, K.S.Rangasamy College of Technology, Tiruchengode
12. Dr.J.Satheesh Kumar, Assistant Professor, Dept. of Computer Applications, Bharathiar University, Coimbatore
13. Dr.U.S.Ragupathy, Associate Professor, Dept. of E&I, Kongu Engineering College, Perundurai
14. Prof.M.Thangavel, Training Director, Professor, Dept. of ECE, Knowledge Institute of Technology, Salem
15. Dr.N.Santhiyakumari, Professor & Head, Dept. of ECE, Knowledge Institute of Technology, Salem
16. Mr.V.Saravanan, Associate Professor, Dept. of ECE, Knowledge Institute of Technology, Salem
17. Mr.Prabhakaran, Mobile Senior Service Engineer, MNE Solutions (M) Sdn. Bhd., Station at Seremban Govt. Hospital, Malaysia

HOW TO APPLY

Application in the attached format duly recommended / sponsored by the authority concerned, along with the DD for registration amount should reach the convener on or before 19.08.13.

For further details contact: Mr.V.Saravanan - 9488574073

KAKAPALAYAM BUS STOP

NH - 47 — SALEM TO COIMBATORE ROAD

1 Km

ROUTE MAP

KIOT

TIRUCHENGODE TO SALEM ROAD

ATTAYAMPATTY BUS STOP

REGISTRATION FORM

AICTE Sponsored

Two Weeks Faculty Development Programme On

Advances in Medical Imaging using Computational Intelligence
(26.08.2013 to 07.09.2013)

1. Name: ....

2. Designation: ………………………………..................

3. Institution: ....

4. Address for Communication:

....

....

....

....

Pin Code: ....

5. Phone (STD code): ....

6. Mobile: ....

7. Email: ....

8. Highest Qualification: ....

9. Specialization: ……………………………………………

10. Years of Experience

Teaching: ……………………………………………..

Industry: ……………………………………………..

11. Area of work / Interest: ………………………………

12. Whether accommodation needed: Yes / No

13. DD No. .... Date: ……..………… (If applicable)

Place:

Date: Signature of the Applicant