

### About the Seminar

The one of the important areas of Bio Medical Engineering is Bio Signal Processing which focuses on extracting information that can assist physicians in making more effective diagnostic decisions and for better performance of medical devices. The seminar with such a scope provides technological solutions to the physicians. This seminar aims to combine the problem solving capability of Engineers with the Medical Expertise of physicians for early diagnosis of critical illness in human.

### Topics to be Covered

- Recent trends in Bio-signal processing and analysis
- Advances in Biomedical Instrumentation
- VLSI Signal Processing
- Applications of soft computing in Signal and Image Processing
- Applications of wavelets in time frequency events of signals

### Invited Speakers

Eminent Personalities from academic Institutions, Research Organization and Industries will deliver lectures in each session of the seminar to enable the participants to enhance their knowledge and to know the state-of-art developments in Biomedical Signal Processing and Instrumentation.

### Seminar Fee

Research Scholars & PG Students	Rs.300/-
Faculties from Engg. Colleges	Rs.400/-
Internal Participants	Rs.300/-

The registration fee is to be paid through an account payee Demand Draft drawn in favour of **“The Principal, National Engineering College”** payable at Kovilpatti.

### About The Institute

National Engineering College (NEC), located on National Highway (NH-7), is one among the several educational and philanthropic institutions, instituted by renowned philanthropist and industrialist Kalvi Thanthai Thiru. K.Ramasamy in the year 1984. From its inception itself, NEC is very much keen on imparting the cutting edge technical education to the students from the rural areas. The College is affiliated to Anna University, Tirunelveli and it is approved by AICTE, New Delhi. It offers 6 UG, 7 PG and several research programs leading to Ph.D. degrees in all departments. The college has signed MoU with research organizations and industries in order to promote closer interaction with other institutions in the areas of technology development, training of students, curriculum updation and development of state-of-art centers. It is accredited by National Board of Accreditation, AICTE, New Delhi also by Institution of Engineers (I), Kolkatta.

### About The Department

The EIE department, established in the year 1994 has experienced faculty members qualified themselves in different disciplines Vis-à-vis the instrumentation from the reputed institutions such as IIT, NIT, College of Engineering Guindy, Jadavpur University, Annamalai University etc are guiding and stoking the students to reach the clear goal. All the laboratories in the department are well equipped with the special equipments such as Lab VIEW, Yokogowa DCS, Siemens PLC, UV-Spectrophotometer, RMS Physiograph, Industrial process stations, Digital Storage Oscilloscope, Embedded system with Keil software, Softwares related to Industrial Automation etc. The faculty members who pursue research in different fields like Bio-Medical Instrumentation, Bio-Signal / Image processing, Process Control & Automation, Digital Image Processing, Sensor Signal Conditioning, Embedded system design etc., have published their research findings in various refereed journals and also have presented at various conferences.

## National Engineering College Department of Electronics & Instrumentation Engineering

K.R.Nagar, Kovilpatti, TamilNadu – 628 503.

### DRDO Sponsored Three Day Seminar on “Research Issues on Bio Medical Signal Processing and Instrumentation”

24-02-2010 to 26-02-2010

#### Registration form

Name :

Qualification :

Designation :

Sex:

Department :

Institute :

Experience : Teaching .....Yrs, Industrial. .... Yrs

Area of Interest:

Address for Communication:

E-mail:

Mobile:

## DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme.

Place:

Date: Signature of the Applicant

## SPONSORSHIP CERTIFICATE

Mr./Ms./Dr./Prof..... is an employee/student of our institution and is hereby sponsored. He/She will be permitted to attend the seminar, if selected.

Date: Signature of the sponsoring authority with office Seal

### Date to Remember

Last date for Registration: **17.02.2010**

Application, filled in all respects, is to be sent to:

### The Organizing Secretary,

Department of Electronics & Instrumentation Engineering,  
National Engineering College,  
K.R.Nagar, Kovilpatti, Thoothukudi Dist - 628 503.

Tele Phone: 04632 - 222 502 (Off)

Mobile: 9442112842, 94434 66806

Website : [www.nec.edu.in](http://www.nec.edu.in)

E-mail : [eienec10@gmail.com](mailto:eienec10@gmail.com)

[sankara\\_gomathi@yahoo.co.in](mailto:sankara_gomathi@yahoo.co.in)

## ORGANIZING COMMITTEE

Chief Patron : Thiru.K.Ramasamy, Chairman  
Patron : Thiru.K.R.Arunachalam,  
Trust Director,  
Chairman : Dr.N.S.Marimuthu, Principal  
Convenor : Prof.P.Brahmanayagam, HOD/EIE  
Executive Members : Faculty Members, Dept. of EIE,

## EMINENT SPEAKERS

Dr.A.G.Ramakrishnan, Professor Indian Institute of Science, Bangalore,	Recent Trends in Bio Signal/Image Analysis 24 <sup>th</sup> February F.N.
Dr. C.Kesavadas M.D, DMRD Professor Chithirairthirunal Institute of Technology,Trivandrum	Medical Image Processing 25 <sup>th</sup> February F.N.
Dr.V.Subbaiah Bharathi, Dean D.M.I College of Engineering	Research Issues in Bio Medical Signal Processing. 25 <sup>th</sup> A.N.
Dr.S.Arivazhagan, Professor & Head, ECE Dept Mepco Schlenk Engg. College.	Application of Wavelets in Time frequency events of signals 26 <sup>th</sup> F.N.
Dr.N.J.R.Muniraj, Professor & Head of ECE Karpagam College of Engg.	VLSI Signal Processing 26 <sup>th</sup> A.N.
Dr.T.Gnanagurusamy, M.B.B.S., M.S. Graham Nursing Home, Sivakasi	Recent trends in Biomedical Instrumentation 25 <sup>th</sup> A.N.
Prof.V.Gomathi, NEC, Kovilpatti	Application of Soft Computing in Signal and Image Processing 24 <sup>th</sup> AN

## DRDO SPONSORED THREE DAYS SEMINAR ON

“Research Issues on Bio Medical Signal Processing  
and Instrumentation”

24-02-2010 to 26-02-2010

*In association with*  
**Defence Bio-Engineering and Electro Medical  
Laboratory**

*Convener*  
**Prof.P.Brahmanayagam**

*Organizing Secretary*  
**Prof. B. Sankaragomathi**

*Co-ordinator*  
**Mrs.M.Carmel Sobia**

*Co-coordinator*  
**Mrs.J.Babitha Thangamalar**



*Organized by*  
**Department of Electronics & Instrumentation Engg.**



**National Engineering College,  
K.R.Nagar, Kovilpatti,  
Thoothukudi District,  
Tamil Nadu - 628 503**