

ICMR Sponsored
National Seminar Program on
**TECHNOLOGICAL EVOLUTION IN SENSOR
EQUIPMENT FOR MEDICAL APPLICATION**

08.02.2018 to 09.02.2018

Registration Form

Name :
Designation/Department:
Qualification : Sex: M/ F
Organization :
Address for
Correspondence :
Mobile Number :
Email :
Need Accommodation : Yes/No

Details of payment

DD No. : Date:
DD Amount: Bank:

Date: Signature of the Candidate

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms. _____
of the department of _____
of this college is sponsored to attend the program
during 08 & 09 February 2018.

Place: Signature and seal of
Head of the Institution

RESOURCE PERSON

Experienced Academicians and Industry Experts

REGISTRATION FEE

The registration fee includes course material,
lunch and refreshment.

Academicians & Research Scholars Rs.200/-
Students Rs.100/-

The demand draft for the registration fee is
drawn in favor of The Principal, Nandha
Engineering College payable at Erode along with
the registration form duly filled in.

Duly filled registration form should be sent to:

The Convener - ICMR seminar
Department of Information Technology
Nandha Engineering College
Perundurai Main Road
Erode-638052, Tamilnadu, India.

COORDINATORS

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Ms.Suguna Angamuthu, AP/IT

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IMPORTANT DATES

Last day for receipt of application :03.02.2018
Intimation of selection :05.02.2018
Confirmation by Participant :06.02.2018



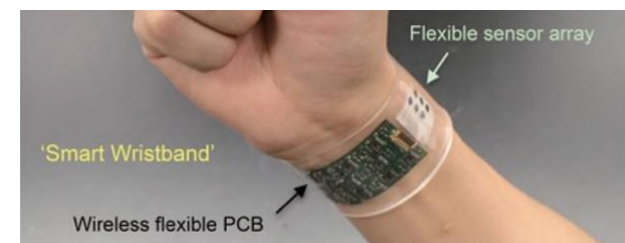
Indian Council of Medical Research (ICMR)

New Delhi

Sponsored seminar on

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EQUIPMENT FOR MEDICAL APPLICATION**

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Convener

Dr.K.Ramesh
Professor/IT

Organized by

Department of Information Technology
Nandha Engineering College (Autonomous)
Perundurai, Erode 638052 Tamilnadu.

Web: www.nandhaengg.org



ABOUT THE COLLEGE

Sri Nandha Educational Trust was promoted by Thiru V. Shanmugan, Chairman cum Managing Trustee in 1992 with a vision to serve and lead the society by imparting quality and value based education. Nandha Engineering College was started in 2001, is affiliated to Anna University, Chennai. The College received autonomous status in the year 2013. The college is located in a serene atmosphere at a distance of 13 KM from Erode. The college offers 9 undergraduate, 7 post graduate programmes and 3 Research programmes leading to doctoral degrees in various disciplines of Engineering, Technology and Management.

ABOUT THE DEPARTMENT

The diverse developments in computer technology, communication explosion and the internet are bound to make a marked change in our future life. These form the basis for “Information Technology” – the technology coming decades. The department of IT installed confidence among the students to make themselves as experts in the field of computers and to meet the challenges of the information evaluation, NEC with an insight of upcoming trends tries to meet the requirements of this changing global scenario. The information technology department was started in the year 2001 and provides undergraduate programs in B.Tech (IT). The students are regularly being trained in leading edge technologies with a practical orientation.

ABOUT THE PROGRAMME

Recent technological developments in low-power integrated circuits, wireless communications and physiological sensors promote the development of tiny, lightweight, ultra-low-power monitoring devices. A body-integratable network, so-called Wireless Body Area Network (WBAN), can be formed by integrating these devices. WBAN with sensors consuming extremely low power is used to monitor patients in critical conditions inside hospital. Outside the hospital, the network can transmit patients’ vital signs to their physicians over internet in real-time.

WBAN usually uses Zigbee, or UWB standard. Intelligent sensors wearing by patients transmit vital signs to personal server, which is running on a PDA, laptop or 3G cellphone. Sequentially, the data is transmitted from personal server to servers of the healthcare system, such as weather forecast, medical database or emergency server over Internet. Algorithms may be executed on the healthcare system servers to give instant and patient-specific recommendations. In Wireless Sensor Network based application also called WBAN, Motion sensor, Body network, Indoor temperature and luminosity sensor, Bed sensor, Pulse-oximeter and EKG are used in Body Network and Subsystems. Emplaced Sensor Network collect all sensed information forwarded to Back-end Databases which is linked with Human Interfaces for analysis.

PROGRAM OBJECTIVES

The aim of this seminar is to provide an opportunity for faculty members and researchers to discuss the concepts of physiological sensors, low-power integrated circuits, and wireless communication that enable a new generation of wireless sensor networks, now used for monitoring health. The seminar is being organized by considering the relevance of body area network in continuous health monitoring with real-time updates of medical records through the Internet by eminent experts from various academic, research organizations and industries.

PARTICIPANTS

This program is open to all the individuals, students, faculty members from academic institutions, R&D and industry participants.

BOARDING AND LODGING

Accommodation and boarding will be provided in the college campus on chargeable basis, if required.

HOW TO APPLY

The applicants should send their applications in the specified format through their Principal/Sponsors to reach us on or before 03.02.2018. If selected, they should confirm their participation in time.