

ICMR Sponsored  
Two Days National Level Seminar  
on

Wearable Devices for Remote Health Care  
Monitoring - The Future of Health Care

28<sup>th</sup> & 29<sup>th</sup> June, 2018

Registration Form

Name:.....

Qualification:.....

Designation:.....

Department:.....

Institution: .....

Mailing address:.....

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Phone:.....

Office:.....

Mobile:.....

Email:.....

Payment Details:

DD No: .....Date:.....

Amount:.....Bank:.....

Signature of Applicant .....

**ORGANISING COMMITTEE**

Chief Patron : **Dr. R. Vasanthakumar,**  
Chairman & Managing Trustee,  
Karpagam Educational Institutions.

Patron : **Shri. K. Murugaiah,**  
Chief Executive Officer,  
Karpagam Educational Institutions.

Chairman : **Dr. P. Vijayakumar,**  
Principal.

Convener : **Dr.P.Karthigaikumar,**  
Professor and Head,  
Department of ECE.

**CO-ORDINATORS:**

Dr.C.Priya,AP/ECE

Ms.L.Saranya,AP/ECE

For further enquiries and communication,

**Contact :**

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Wearable Devices for Remote Health Care  
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Organized by

Department of Electronics and Communication  
Engineering

(Accredited by NBA and NAAC-'A' Grade)

## **ABOUT THE COLLEGE**

Karpagam College of Engineering was started in the year 2000, by Karpagam Charity Trust, promoted by renowned Philanthropist and Industrialist Dr. R. Vasanthakumar and has been conferred with autonomous status in the year 2007. The college offers nine Under Graduate Engineering programmes and five Post Graduates programmes and accredited by NAAC with 'A' Grade. The Institution aims to provide excellent learning facilities by imparting practical training, knowledge and skills to the youth. The college has signed MoUs with research organizations and industries to promote closer interaction in the areas of technology development, student training, curriculum updation and establishment of state-of-art-centers of excellence.

## **ABOUT THE DEPARTMENT**

The department has experienced and qualified faculty members, well equipped laboratory such as DSP lab, MEMS Lab, Communication and Microwave Engineering Lab, LIC / Digital Lab, VLSI Design Lab, Networks and Simulation and Electron Devices Lab with availability of latest and updated version of software package. The department has also promoted different centre of excellence for MEMS Research and Development (CMRD), Centre for Signal Processing Research and Development (CSPRD), Centre for Embedded system Research and Development (CESRD), Centre for Image and Video Processing Research and Development (IBRD), Centre for Research Communication and Wireless Network

(CRCWN) and Centre for VLSI Design and Development (CVDD) for developing research activities in the field of Electronics and Communication Engineering.

## **OBJECTIVES OF THE SEMINAR**

In today's life people are facing numerous problems due to their food habits and working environments. Physicians from remote areas are required to collect the data's of the patients who are in need of treatment on the spot, here comes the inevitable of Remote health monitoring. It is based on non-invasive and wearable sensors, actuators and modern communication, information technologies offers an efficient and cost-effective solution that allows the people to continue to live in their comfortable zone. These systems will also allow healthcare personnel to monitor the important physiological signs of their patients in real time, assess health conditions and provide feedback from distant facilities.

The wearable sensors play a critical role in such monitoring systems that attract the attention of many researchers, entrepreneurs, and tech giants in recent years. The purpose of this seminar is to provide a snapshot of current developments and future direction of research on wearable and implantable body area network systems for continuous monitoring of patients. A variety of application specific wearable sensors, physiological and activity monitoring systems will be discussed in this seminar.

## **KEY CONTENTS OF THE SEMINAR**

- Importance of Remote Health Care Monitoring
- Role of Wearable Devices in medical Industry
- Challenges of using Wearable Devices
- Implanting and Interfacing of Wearable Devices

## **HOW TO APPLY**

- Send the registration form available in this brochure along with DD to the convener
- First Come First Serve basis.
- No Spot registration & Registration is restricted to 30 Participants.

## **PARTICIPANTS**

- Students
- Faculty Members
- Members from Industries

## **IMPORTANT DATES**

**Last date for registration : 22.06.2018**

**Intimation of acceptance : 23.06.2018**

## **REGISTRATION FEE**

**All Category: Rs. 500/-**

## **PAYMENT**

**By Demand draft may be drawn in favour of  
"The Principal, Karpagam College of  
Engineering" Payable at Coimbatore.**

## **VENUE**

**EB 406 - DSP LAB  
Department of Electronics and  
Communication Engineering**