



# VIT

Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

## Faculty Development Program on

## Wearable Technology in Healthcare

**15-17, November 2023**

**Department of Embedded  
Technology  
&**

**Department of Sensors and  
Biomedical Technology  
School of Electronics  
Engineering  
(SENSE)**

**Vellore Institute of Technology,  
Vellore-632 014.  
India.**



### About VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students.

The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. With steady steps, we continue our march forward. We look forward to meeting you here at VIT.

### About SENSE

SENSE at VIT was established to impart state-of-the-art knowledge in Electronics and Communication Engineering and allied areas. The school has set up laboratories with excellent infrastructure in the areas of Electronics, Communication, VLSI, Embedded, Sensors and Nanotechnology. The latest simulation tools are used to cater to various specializations and are equipped with facilities for measurement, characterization and synthesis of experimental as well as theoretical results. The School has many industry-sponsored advanced laboratories for carrying out research and development. MoUs with many Foreign Universities, Research Organizations and Industries facilitate student and faculty exchange.

### About the FDP

Wearable Devices have evolved from life-saving devices to fashion accessories and range from activity monitor Bracelets, Smart watches Smart glasses to GPS enabled Shoes, all of which now have a growing market demand. Wireless Medical Devices or Wearables applied on us, in us and around us present great opportunities for Clinical Research, early prediction of Disease, Healthcare delivery and Healthcare Management. The field of Wearable Technology has been experiencing explosive growth with existing applications in the fields of Medicine and Healthcare.

The FDP will encourage Faculty Members, Research Scholars and Research enthusiasts to venture towards developing Wearable innovation for Healthcare. The FDP addresses the technical with in- body Wireless Devices and different Security vulnerabilities associated with device sustainability in terms of Power and in-body durability and provides technical insight on how to best evaluate the appropriate devices.

### Who can apply?

- Faculty Members
- Research Scholars
- PG Students
- Industry Professionals

### Registration Fees:

Participant Type	Amount
For Faculty Members, Research Scholars & PG Students of VIT, Vellore.	Nil
For Others	Rs.300/- + 18% GST

Certificate will be issued to all the registered participants fulfilling the necessary criteria.

**Registration/Payment Link:**

**For VIT Vellore:**

<https://tinyurl.com/vitwth>

**For Others:**

<https://events.vit.ac.in/>

**Last Date for Registration:**

**14th November 2023**

## Topics

- Two-dimensional Materials based Sensors
- Bio-mimicked Smart Composites for Sustainable Wearable Healthcare Applications
- Wearable Bio Sensor
- Role of AI in Wearable Devices for Healthcare
- Wearable Innovation for personalized Health care
- Must know guidelines for Wearable product construction and Demonstrations of simple Wearables.

## Advisory Committee

### Advisors

**Dr. Sivanantham S**

Professor & Dean, SENSE

**Dr. Jasmin Pemeena Priyadarisini**

Professor & Associate Dean, SENSE

**Dr. Karthikeyan B**

Associate Professor & HoD,  
Embedded Technology, SENSE

**Dr. Vidhya. S**

Associate Professor & HoD,  
Sensors and Biomedical Technology, SENSE

### Faculty Coordinators

**Dr. Vijendra Babu.D**

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## Speakers

**Dr.Soumya Jyoti Ray**

Assistant Professor,  
Indian Institute of Technology, Patna

**Dr. Loganathan Veeramuthu**

Research Assistant Professor,  
National Taipei University of Technology,  
Taiwan

**Dr.R.Raman**

Professor,  
Aditya College of Engineering,  
Surampalem, Andhra Pradesh

**Dr.A.Athif Shah**

Founder CEO,  
ABE Semiconductor Design, Chennai

**Shri.Senthilkumar Murugesan**

CEO, JioVio Healthcare  
Madurai

**Dr.K.V.Shriram**

Lead-Technical Evangelist  
Intel Innovator,  
Google Cloud Innovator



**Mode: Online**

**Platform: MS Teams**

**Time: 10:00 AM to 04:00 PM  
(IST)**

