

REGISTRATION DETAILS:

Registration Rs. 100/- per entry

Registration link:
<https://vit Chennai events.com/>

DATES TO REMEMBER

Last date for registration : 15th January 2022

Confirmation to the participants : 20th January 2022

*E-Certificate will be provided to registered participants only.

ADDRESS FOR COMMUNICATION

Dr. Lucky Agarwal
Assistant Professor (SG-II)
Mobile: 8004347806
Email: lucky.agarwal@vit.ac.in

Dr. Arivarasi A
Assistant Professor (SG-I),
Mobile: 9884790401
Email: arivarasi.a@vit.ac.in

ONLINE MEETING

Participants are requested to attend the online sessions and discussion over ZOOM. The detailed schedule and meeting links would be sent to individual participants by an email after the completion of registration and payment process.

VIT CHENNAI

VIT for the past 37 years has made a mark in the field of higher education in India imparting quality education in a multicultural ambience, intertwined with extensive application-oriented research. VIT was established with the aim to provide 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. VIT was established by a well-known educationalist and former parliamentarian, Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a center of excellence in higher technical education. Govt. of India recognized VIT as an Institution of Eminence (IoE). ARIIA, Govt. of India recognized VIT as a No. 1 Private University for Innovation. MHRD, Govt. of India ranked VIT as No.12 among the Engineering Institutions (NIRF-2021 ranking). VIT Chennai is ably spearheaded by Vice Presidents Mr. Sankar Viswanathan, Dr. Sekar Viswanathan and Mr. G.V. Selvam, Vice-Chancellor Dr. Rambabu Kodali, and Pro- Vice-Chancellor Dr. V. S. Kanchana Bhaaskaran. They share in the mission to make VIT a global center. The focus is:

- To maximize the industrial connectivity
- To create Centers of Excellence in contemporary areas of research
- To enrich technological and managerial human capital nurtured in a multicultural ambience
- To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- To create opportunities and exploit the available resources to benefit industry/society
- To encourage participation in the National Agenda of knowledge building
- To foster international collaborations for mutual benefits in areas of research
- To maximize the Industrial connectivity
- To create Centers of Excellence in contemporary areas of research
- To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience

VIT – A Place to learn; A Chance to grow
VIT – Recognized as an Institute of Eminence (IoE)



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

CHENNAI

Presents

**Online Faculty Development
Programme
On**

**Emerging Trends & Materials for
Wearable Electronics
(EMWE-2022)**

January 27th-31st, 2022

Coordinators

Dr. Lucky Agarwal

&

Dr. Arivarasi A

SENSE, VIT Chennai



ABOUT SENSE

The School of Electronic Engineering (SENSE) at VIT Chennai was established in 2010 when this campus was set up in Chennai. The school offers two B.Tech. programs, one in Electronics and Communication Engineering and the other in Electronics and Computer Engineering. It also offers two M.Tech programs, one in Embedded Systems and the other in VLSI Design. In addition, Ph.D. research program is offered in the areas of Electronics, Communication and Computer Engineering and their allied fields.

The School has modern state-of-the-art laboratories in the areas of Semiconductor Devices, Micro and Nano Devices, Analog Circuit Design, Digital System Design, Digital Signal Processing, Embedded Systems and Architecture, Microprocessors and Microcontrollers, Communication Engineering, Wireless Technologies, Internet of Things (IoT), Microwave and Optical Communication, Computer Networks and Advanced VLSI Design.

ABOUT THE PROGRAM

The Vellore Institute of Technology Chennai, is organizing an Online Faculty Development Program on emerging trends and materials for wearable electronics from January 27th to 31st, 2022. The main objective of this program is to provide the details of critical concepts in understanding the state-of-the-art in advanced technology aspects of wearable devices. It will also cover the concepts from fundamentals to advanced level, giving thrust in wearable electronics/devices/materials. The topics will focus on basics, advances and applications to benefit people from academic & research communities associated with Electrical, Electronics, Computer Science, Chemistry, Physics and other interdisciplinary/multidisciplinary backgrounds.

HIGHLIGHTS:

- ✦ The workshop aims to provide researchers, practitioners from academia, industry, and domain experts with state-of-the-art coverage of the advances in wearable technology and devices.
- ✦ Device modelling and simulation of Wearable devices.
- ✦ It will provide a detailed overview of new materials required for fabrication of advanced smart wearable devices such as smart watch, Cloth based technology wearables, health monitoring devices, etc.
- ✦ Fabrication and Characterization techniques.
- ✦ Sessions will be there in the morning and afternoon throughout the FDP.

TOPICS:

- ✓ Wearable technologies & devices
- ✓ Advanced Materials for Wearable technologies
- ✓ Basics & Recent developments in Wearable technology areas
- ✓ Nanomaterials & Wearable devices
- ✓ Current status, recent advances, and next-generation innovations in Wearable's technology.
- ✓ Biomedical and other applications of Wearable devices
- ✓ Modelling of Wearable technology devices
- ✓ Fabrication and other related Techniques
- ✓ Problems related to wearable technology
- ✓ Hardware technologies & recent advancements in research

RESOURCE PERSONS:

- ❖ Prof. P. Chakrabarti (Director, IEST Shibpur)
- ❖ Dr. N N Murty (Associate Professor, IIT Tirupati)
- ❖ Dr. Shweta Tripathi (Asst. Professor, MNNIT Allahabad)
- ❖ Dr. Gopal Rawat (Asst. Professor, NIT Hamirpur)
- ❖ Dr. Adarsh Kumar Pandey, Sunway University Malaysia
- ❖ Mr. Abhay Deshpande, SSG Embedded Solutions
- ❖ Dr. Roy Paily, Professor, Centre for Nanotechnology, IIT Guwahati
- ❖ Dr. M. Sabarimalai Manikandan, IIT Bhubaneswar
- ❖ Dr. Jitendera Bahadur, (Research Associate South Korea)
- ❖ Dr. Shree Prakash Tiwari (Associate Prof. IIT Jodhpur)
- ❖ Dr. Amritanshu Pandey, (Associate Prof., IIT BHU)
- ❖ Dr. T.V. Beatrice Veena (Research Associate SRM university)
- ❖ Dr. Pankaj kumar, Director Center for Materials and Manufacturing Department of Mechanical Engineering, SR University, Warangal
- ❖ Dhinesh Ramasamy, Founder, Netrin Sports Technologies, Chennai
- ❖ Piyush Padmanaban, Next Big Innovation Labs, 3D bioprinting, Bangalore