



## ABOUT SENSE

SENSE at VIT delivers advanced education in Electronics and Communication Engineering and allied fields. The B.Tech ECE program is accredited by the Engineering Accreditation Commission of ABET (abet.org). The school maintains a strong placement record, with many students securing roles in core companies each year.

It is equipped with well-established laboratories in Electronics, Communication, VLSI, Embedded Systems, Sensors, and Nanotechnology, supported by modern simulation, measurement, and characterization tools. Students are encouraged to undertake innovative projects, including opportunities to complete their final-year work abroad.

SENSE also promotes research and industry collaboration through advanced, industry-sponsored labs and MoUs with international universities, research organizations, and industries. Faculty members are actively engaged in R&D, working on projects funded by agencies such as DRDO, ISRO (RESPOND), BRNS, and DST, fostering innovation and global exposure.

# SENSE-A-THON '26

## 'Make in Sense'

### School of Electronics Engineering (SENSE)

In Collaboration with  
Office of Students' Welfare

## 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. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. 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. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward. We look forward to meeting you here at VIT.

## LEADERSHIP

Chief Patron  
Dr. G. Viswanathan  
Founder & Chancellor

Patrons  
Dr. Sankar Viswanathan  
Vice President

Dr. Sekar Viswanathan  
Vice President

Dr. G. V. Selvam  
Vice President

Dr. Sandhya Pentareddy  
Executive Director

Ms. Kadhambari S Viswanathan  
Assistant Vice President

Dr. V. S. Kanchana Bhaaskaran  
Vice Chancellor

Dr. Partha Sharathi Mallick  
Pro- Vice Chancellor

Dr. T. Jayabarathi  
Registrar

## CONVENERS

Dr. Jasmin Pemeena Priyadarisini M  
DEAN, SENSE  
Dr. Sakthivel R  
ASSO. DEAN, SENSE

3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



# SENSE IDEA-THON '26 'Make in Sense'

School of Electronics Engineering (SENSE)  
In Collaboration with  
Office of Students' Welfare



## ABOUT IDEA-THON

SENSE IDEA-A-THON 2026 is a 72-hour ideation-focused competition designed to foster creativity, critical thinking, and effective communication of innovative concepts. Participants collaborate in teams to develop unique solutions to real-world or conceptual challenges through structured brainstorming, research, and idea refinement.

The event places strong emphasis on the articulation and presentation of ideas, with evaluation centered on clarity, coherence, and professionalism in communication. Teams are encouraged to develop well-structured narratives supported by concise visual representations, ensuring their concepts are conveyed with precision and impact. The final stage involves a formal poster presentation assessed on organization, visual design, and the effectiveness of idea delivery.

## TRACKS

Conceptualize and present an innovative solution addressing a domain of your choice, with emphasis on clarity, coherence, and effectiveness of communication through a professionally structured poster.

## PRIZE POOL

An exciting prize pool  
of ₹25k

## FEES (per member)

(Including GST)  
For VIT Students: Rs 236/-

 **Team Size: 1 Member**

Registration  
Link

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



## VISIONARIES

### Coordinators

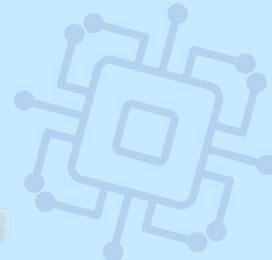
Dr. Jasmin Pemeena Priyadarisini M  
DEAN, SENSE  
Dr. Sakthivel R  
ASSO. DEAN, SENSE

### Student Coordinators

Siya (+91 9886521327)  
Yuval Gupta (+91 7406998244)

 **31 March – 01 April 2026**

 **Anna Auditorium**



## TRACKS

1. Industry 4.0 and IT-OT Integration
2. Sensors & Software Defined Vehicles (SDV)

## PRIZE POOL

An exciting prize pool of ₹25k and an internship opportunity for deserving teams.

## INDUSTRY COLLABORATORS



## TECHNICAL COLLABORATORS



Basic electronic components will be provided upon prior intimation of requirements.

## VISIONARIES

### Convenors

Dr. Jasmin Pemeena Priyadarisini M  
DEAN, SENSE  
Dr. Sakthivel R  
ASSO. DEAN, SENSE

### Faculty Coordinators

Dr. S. Sundar  
Dr. Vijendra Babu D

### Student Coordinators

Ravi Teja (+91 8897249435)  
Anannya (+91 7060500198)

## FEES (per team)

(Including GST)  
For External Participants: Rs 590/-  
For VIT Students: Rs 354/-  
Team Size: 2-4 Members

## Registration Link

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



# SENSE HACK-A-THON '26 'Make in Sense'

School of Electronics Engineering (SENSE)

In Collaboration with

Office of Students' Welfare

## ABOUT HACK-A-THON

SENSE Hack-a-thon 2026 focuses on advancing technological innovation in the automotive and industrial domains, built around two themes, while aligning with Quality Education, Industry, Innovation and Infrastructure, and Sustainable Cities and Communities.

Industry 4.0 and IT-OT Integration connects software technologies such as cloud computing and analytics with industrial systems including PLCs, sensors, and robotics, using IoT, embedded systems, and protocols like CAN and OPC-UA to enable smarter, more connected, and efficient industrial ecosystems.

Sensors and Software Defined Vehicles (SDV) emphasize software-controlled vehicles driven by real-time sensor data, leveraging technologies such as Embedded C/C++, CAN, ROS, sensor fusion, and microcontrollers to build intelligent, adaptive, and future-ready mobility solutions that drive next-generation advancements.

 31 March – 01 April 2026

 Anna Auditorium

# SENSE DESIGN-A-THON '26 'Make in Sense'

School of Electronics Engineering (SENSE)  
In Collaboration with  
Office of Students' Welfare

## ABOUT DESIGN-A-THON

SENSE Design-a-thon '26 is a 48-hour innovation challenge by the School of Electronics Engineering, VIT Vellore, where participants solve real-world problems through hardware and embedded system design, while aligning with Quality Education, Industry, Innovation and Infrastructure, and Sustainable Cities and Communities.

It features four tracks: FPGA programming for high-speed digital systems, Curiosity Nano board programming for embedded and IoT applications, VLSI system design using RTL, and analog/digital circuit development with discrete components, focusing on strong fundamentals in electronics.

The event promotes teamwork, rapid prototyping, and hands-on problem solving, encouraging participants to build innovative and scalable solutions with real-world impact.

 31 March – 01 April 2026

 Anna Auditorium

## TRACKS

1. FPGA programming
2. Curiosity Nano Board Programming\*
3. RTL Design
4. System design with Discrete component

## PRIZE POOL

An exciting prize pool of ₹25k and an internship opportunity for deserving teams.

\*Teams using Microchip Curiosity Nano Boards stand to win an additional prize worth ₹1 lakh.

## INDUSTRY COLLABORATORS



**MICROCHIP**



## TECHNICAL COLLABORATORS



Basic electronic components will be provided upon prior intimation of requirements.

## VISIONARIES

### Convenors

Dr. Jasmin Pemeena Priyadarisini M  
DEAN, SENSE  
Dr. Sakthivel R  
ASSO. DEAN, SENSE

### Faculty Coordinators

Dr. S Sridevi  
Dr. Rajeev Pankaj N

### Student Coordinators

Avni Jain (+91 9606828672)  
Shaurya Saini (+91 7093175140)

## FEES (per team)

(Including GST)

For External Participants: Rs  
590/-

For VIT Students: Rs 354/-

 Team Size: 2-4 Members

Registration  
Link

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



# TRACKS

1. Next Generation RF Antenna
2. Smart Wearable & Implantable Antennas
3. Intelligent RF Filtering Systems
4. Integrated Radar Antenna Systems
5. Advanced Electromagnetic Structures-FSS, RIS, Meta, AMC, EBG

# PRIZE POOL

An exciting prize pool of ₹25k and an internship opportunity for deserving teams.

# INDUSTRY COLLABORATORS



HCLTech



**TECHNICAL COLLABORATOR:**



Basic electronic components will be provided upon prior intimation of requirements.

# VISIONARIES

## Convenors

Dr. Jasmin Pemeena Priyadarisini M  
DEAN, SENSE  
Dr. Sakthivel R  
ASSO. DEAN, SENSE

## Faculty Coordinators

Dr. Kannadassan D  
Dr. Vinoth Babu K  
Dr. Avinash Chandra

## Student Coordinators

Vamsi Krishna (+91 9014007459)  
Chinmay (+91 8829088865)

## FEES (per team)

(Including GST)

For External Participants: Rs 590/-

For VIT Students: Rs 354/-  
Team Size: 2-4 Members

Registration Link

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



# SENSE MAKE-A-THON '26 (Antenna-Thon) 'Make in Sense'

School of Electronics Engineering (SENSE)  
In Collaboration with  
Office of Students' Welfare

## ABOUT MAKE-A-THON

SENSE MAKE-A-THON (Antenna-Thon) 2026 is a 72-hour hardware hackathon focused on innovation in RF systems, antenna design, and electromagnetic technologies. Students and researchers collaborate to address modern wireless communication challenges through design, simulation, prototyping, and testing.

Teams work on themes such as 5G/6G communication, IoT, biomedical wireless systems, and intelligent electromagnetic structures with guidance from expert mentors.

The event concludes with teams presenting prototypes and system designs that demonstrate innovation, technical feasibility, and real-world applicability while aligning with Industry Innovation and Infrastructure, Sustainable Cities, and Good Health.

 31 March – 2 April 2026

 Anna Auditorium

## SENSE MEDIC-A-THON '26 'Make in Sense'

School of Electronics Engineering (SENSE)  
In Collaboration with  
Office of Students' Welfare

### ABOUT MEDIC-A-THON

Sense Medic-a-thon is a flagship 72-hour innovation challenge where students, designers, and innovators develop medical technology solutions for real-world healthcare problems presented by industries and organizations, while contributing to Good Health and Well-being, Industry, Innovation and Infrastructure, and Reduced Inequalities. The event includes challenge introductions, team ideation, and solution development, with guidance from mentors and healthcare experts, followed by final evaluation by a judging panel. Key focus areas include assistive device technologies, rehabilitation robotics, wearable medical devices, and digital health, encouraging impactful and accessible healthcare innovations.

 **31 March – 2 April 2026**

 **Anna Auditorium**

1. Assistive device technologies
2. Rehabilitation robotics
3. Wearable medical devices
4. Digital health

### PRIZE POOL

An exciting prize pool of ₹25k and an internship opportunity for deserving teams.

### FEES (per team)

(Including GST)  
For External Participants: Rs 590/-  
For VIT Students: Rs 354/-  
 Team Size: 2-4 Members

Registration  
Link

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



### VISIONARIES

#### Convenors

Dr. Jasmin Pemeena Priyadarisini M  
DEAN, SENSE  
Dr. Sakthivel R  
ASSO. DEAN, SENSE

#### Faculty Coordinators

Dr. Sathya P  
Dr. Sharmila N

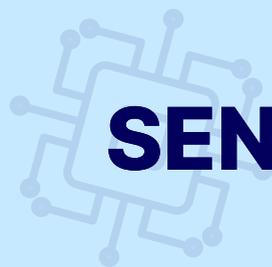
#### Student Coordinators

Aswinkarthick(+91 9865746560)  
Keertika(+91 7023312002)

### INDUSTRY COLLABORATOR



Basic electronic components will be provided upon prior intimation of requirements.



# SENSE-A-THON '26

## 'Make in Sense'

S.No	Event Name	Event Duration	Registration Fee per Team(Including GST)	
			External Participants	VIT Students
1	SENSE Idea-thon	31-03-2026 to 01-04-2026	Not Applicable	Rs 236/-
2	SENSE Hack-a-thon	31-03-2026 to 01-04-2026	Rs 590/-	Rs 354/-
3	SENSE Design-a-thon	31-03-2026 to 01-04-2026	Rs 590/-	Rs 354/-
4	SENSE Make-a-thon	31-03-2026 to 02-04-2026	Rs 590/-	Rs 354/-
5	SENSE Medic-a-thon	31-03-2026 to 02-04-2026	Rs 590/-	Rs 354/-