

## About the event:

AIETICI-2023 is a three-day online Faculty Development Program organized by the Department of Embedded Technology (DET), School of Electronics Engineering, Vellore Institute of Technology, Vellore. AI-enabled technologies, IoT (Internet of Things), and computational intelligence have emerged as transformative forces in the realm of modern technology. AI, with its ability to process vast amounts of data and learn from it, is powering everything from virtual personal assistants to autonomous vehicles. IoT is connecting everyday objects to the internet, creating a web of smart devices that gather and share data for enhanced efficiency and convenience. Computational intelligence, on the other hand, is enabling machines to mimic human-like decision-making processes, making them more adaptable and capable of solving complex problems. Together, these technologies are ushering in an era of unprecedented innovation, where our devices, systems, and environments are becoming smarter, more interconnected, and more responsive to our needs. The FDP will feature talks by experienced Industry Experts and faculty speakers. The target audiences are faculty members, research scholars, postgraduate and undergraduate students working in the areas of Image Processing, Embedded Technology, Machine Learning, Deep Learning and so on.

## Talks Scheduled:

- AI's Hidden Conscience
- What are LLMs, and how are they used in generative AI?
- Deep Learning in Artificial and Biological Neural Networks
- Data-Driven Engineering: Shaping Industries and Innovations
- Web of Things and Machine Learning
- Driver Drowsiness Detection using Deep Learning and Computer Vision

## Advisory Committee:

### Dr. Sivanantham S

Professor and Dean,  
School of Electronics Engineering (SENSE),  
Vellore Institute of Technology, Vellore, India.

### Dr. B Karthikeyan

Associate Professor & Head,  
Department of Embedded Technology, SENSE, VIT  
Vellore

## Coordinators

**Dr. Hemprasad Y. Patil**, Asst. Professor Sr. Grade 2

**Dr. Sumit Kumar Jindal**, Asso. Professor Sr.

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## Resource Persons:

Ms. Prabhleen Kaur, Senior Engineer, MediaTek  
Mr. Divyansh Khandelwal, Co-Founder, Spike.sh  
Ms. Aditi Aravind, Exchange Scholar, HMS, USA  
Mr. K Shakthi Dhar Reddy, Data Analyst-Headout.  
Dr. B. Karthikeyan, Asso. Professor and Head, VIT  
Dr. Hemprasad Y. Patil, Asst. Professor (Sr.), VIT

## Mode: Online

**Platform – Microsoft Teams**

**Time: 10:00 AM to 4:00 PM**

**Registration is free for VITians**

**Registration Link: (Last Date: 5<sup>th</sup> Oct 2023)**

<https://forms.gle/94URUceYPwdXixb7A>



## Faculty Development Program (FDP)

on

## AI Enabled Technologies, IoT & Computational Intelligence (AIETICI-2023)

9<sup>th</sup> to 11<sup>th</sup> Oct 2023

Organized by

**Department of Embedded Technology**  
**School of Electronics Engineering**

**Vellore Institute of  
Technology, Vellore,  
Tamil Nadu, India**



## FDP Schedule

S. No	Date	Session 1 (10:00AM -12:00PM)	Session 2 (02:00PM - 04:00PM)
1	09/10/23 (Monday)	<p style="text-align: center;"><b>Resource Person:</b>  <b>Ms. Prabhleen Kaur</b>  <i>Senior Engineer</i>  <i>MediaTek, Bengaluru</i></p> <p style="text-align: center;"><b>Title:</b> AI's Hidden Conscience</p>	<p style="text-align: center;"><b>Resource Person:</b>  <b>Mr. Divyansh Khandelwal</b>  <i>Co-Founder</i>  <i>Spike.sh, Bengaluru</i></p> <p style="text-align: center;"><b>Title:</b> What are LLMs, and how are they used in generative AI?</p>
2	10/10/23 (Tuesday)	<p style="text-align: center;"><b>Resource Person:</b>  <b>Ms. Aditi Aravind</b>  <i>Exchange Scholar</i>  <i>Harvard Medical School, Boston, USA</i></p> <p style="text-align: center;"><b>Title:</b> Deep Learning in Artificial and Biological Neural Networks</p>	<p style="text-align: center;"><b>Resource Person:</b>  <b>Mr. K Shakthi Dhar Reddy</b>  <i>Data Analyst</i>  <i>Headout, Bengaluru</i></p> <p style="text-align: center;"><b>Title:</b> Data-Driven Engineering: Shaping Industries and Innovations</p>
3	11/10/23 (Wednesday)	<p style="text-align: center;"><b>Resource Person:</b>  <b>Dr. B Karthikeyan</b>  <i>Associate Professor and Head</i>  <i>VIT Vellore</i></p> <p style="text-align: center;"><b>Title:</b> Web of Things and Machine Learning</p>	<p style="text-align: center;"><b>Resource Person:</b>  <b>Dr. Hemprasad Yashwant Patil</b>  <i>Assistant Professor (Sr.)</i>  <i>VIT Vellore</i></p> <p style="text-align: center;"><b>Title:</b> Driver Drowsiness Detection using Deep Learning and Computer Vision</p>