



## Faculty Development Program



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

**Title :** Effective classroom Teaching using VR-AR

### Event Outcome

- VR - AR integration enhances learner engagement

**Date :** 2025-09-17 - 2025-09-17

**Time :** 11:45 - 13:15

**Venue :** TT 707



### **Resource Person 1 - Details**

**Name :** Sasikumar P

**Designation :** Professor Grade 1, School of Electronics Engineering

**University/ Company :** VIT, Vellore

**Address :** India, 632014.

### **Resource Person's Profile :**

#### **1. Profile of Sasikumar P**

Dr. Sasikumar P is Professor and Assistant Dean of Academic Research at VIT Vellore, with expertise in wireless sensor networks, edge computing, cloud computing, IoT, AR and VR and Artificial Intelligence. He received his PhD from VIT in the field of wireless sensor networks, with a focus on QoS enhancement for distributed clustering techniques. Dr. Sasikumar has held leadership roles including Head of the Department of Embedded Technology and is recognized for his work in education management.

The integration of Virtual Reality (VR) and Augmented Reality (AR) in classrooms transforms traditional teaching into an immersive, interactive, and learner-centered experience. By simulating real-world environments and overlaying digital content onto physical spaces, VR-AR enhances conceptual understanding, promotes active learning, and supports multi-sensory engagement. This technology bridges the gap between theory and practice, making abstract concepts tangible and accessible across disciplines. It also fosters collaboration, critical thinking, and creativity, catering to diverse learning needs. Effective VR-AR implementation in classrooms can significantly improve student motivation, knowledge retention, and learning outcomes, reshaping the future of education.

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**Coordinator:** Teaching Learning Centre of Excellence, VIT, Vellore