



Faculty Development Program



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

Event Outcome

Title : Faculty Development Program on Innovation and Prototyping of Smart Electronic Devices Using Digital Tools

Date : 2025-08-18 - 2025-08-22

Time : 10:00 - 17:30

Venue : MB112

- To enhance Conceptualization and Ideation Skills
- To develop proficiency in Digital Design & Simulation Tools in Mechanical Design for Electronics
- To have hands-on experience with Fusion 360 in designing
- To developing printed circuit boards.
- To Understand Digital Prototyping Workflows for developing printed circuit boards

	<p>Resource Person 1 - Details Name : Vidhya S Designation : Professor Grade 1, School of Electronics Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 2 - Details Name : Renold Elsen S Designation : Professor Grade 1, School of Mechanical Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 3 - Details Name : Vishal nair Designation : Entrepreneur and Educator, Wadhvani Foundation University/ Company : Wadhvani Foundation, Bengaluru Address : India, 560001.</p>
	<p>Resource Person 4 - Details Name : Shree Soumiya Kannan M Designation : Application Engineer, USAM CAD Training Institute University/ Company : USAM CAD Training Institute, Chennai Address : India, 600004.</p>
	<p>Resource Person 5 - Details Name : K Duraisamy Designation : Technical Lead, Enthi Technology Solutions India Pvt Ltd University/ Company : Enthi Technology Solutions India Pvt Ltd, Chennai Address : India, 600017.</p>
	<p>Resource Person 6 - Details Name : Dr Erwin P Enriquez Designation : Professor, ATENEO DE MANILA UNIVERSITY University/ Company : ATENEO DE MANILA UNIVERSITY, University in Quezon City Philippines Address : Philippines, 1108.</p>

Resource Person's Profile :

1. Profile of Vidhya S

Dr. S. Vidhya Professor at VIT Vellore and Assistant Director of EDC has 20 years of experience in biomedical systems, sensors and innovation. She leads an ICMR funded exoskeleton project and co founded a NIDHI PRAYAS supported startup. With 40 publications and deep expertise in prototyping smart healthcare devices, her FDP session will focus on digital tools for sensor based system design and innovation.

2. Profile of Renold Elsen S

Dr.S.RenoldElsen is an Associate Professor in the Department of Design and Automation at VIT Vellore since May 2018. With over 12years of teaching and research experience, he has expertise in design, advanced ceramics, and finite element analysis, contributing to numerous funded projects and 5 patents. He has published extensively in SCI Scopus journals and conference proceedings on composite materials, additive manufacturing, and bio scaffold design for bone tissue engineering.

3. Profile of Vishal nair

Vishal VijayNair is an Indian entrepreneur and corporate director (DIN08974241), currently serving as Director at Lightnsalt Private Limited based in Kerala since November26,2020. He also works as a Senior Entrepreneurship Educator with the Wadhvani Foundation in Bengaluru, where he leads sessions focused on innovation and startup growth. A multifaceted professional, he blends corporate governance, startups, and mentorship to support early stage ventures and social impact.

4. Profile of Shree Soumiya Kannan M

Shree Soumiya Kannan M is an accomplished Application Engineer at USAM CADSoft India Private Limited, with expertise in software training and technical support. With a strong foundation in CAD tools and engineering design software, she plays a key role in guiding users, delivering in-depth training sessions, and resolving technical issues efficiently. Known for her dedication to customer success and technical proficiency, she bridges the gap between complex software solutions and user-friendly

5. Profile of K Duraisamy

K. Duraisamy is a seasoned Technical Lead at Enthu Technology Solutions India Pvt Ltd., bringing over 13 years of expertise in embedded systems, IoT, and product development. Known for driving innovation and delivering robust technical solutions, he leads cross-functional teams in developing smart technology platforms. He plays a key role in mentoring, system design, and customer-centric implementation strategies.

6. Profile of Dr Erwin P Enriquez

Dr. Erwin P. Enriquez, PhD is a distinguished faculty member in the Department of Chemistry and the Program in Materials Science and Engineering at Ateneo de Manila University. Based at Schmitt Hall, he is known for his research in nanomaterials, polymer chemistry, and sustainable technologies. He plays a key role in advancing interdisciplinary science and mentoring future researchers in the Philippines.

The ability to rapidly innovate and prototype Smart Electronic Devices is important for industry. This five-day Faculty Development Program (FDP) is planned to empower faculty members with the theoretical knowledge and practical expertise required to navigate the complexities of modern electronic device development using cutting-edge Digital Tools. As the Internet of Things (IoT), artificial intelligence (AI) at the edge, and ubiquitous sensing redefine technological landscapes, educators must be equipped not only to teach foundational concepts but also to inspire and guide students in creating tangible, intelligent solutions.

Fusion 360, PCB printing software

**Coordinator's: Prof. VIDHYA S 11353 - Professor Grade 1 - SENSE
Prof. RENOLD ELSEN S 15768 - Professor Grade 1 - SMEC**