	Faculty Development Program	

	Discussion Points
Title : Emerging Technology Insights: Generative AI, Digital twin, Block chain, Hardware for Machine Learning, DevOps, Drone Technology **Date :** 12-Feb-2024 - 16-Feb-2024 **Time :** 10:00 - 17:30 **Venue :** MB210	- Gen-AI holds immense potential to reshape how we approach creativity, problem-solving, and innovation. - Applications, Challenges, Future Trends and Social Impact of Digital Twin Technology - Need of UAV Technology focus on rapid development and widespread adoption in various fields with regulatory considerations - The integration of AI technologies in transportation brings about numerous benefits and opens up new possibilities for efficiency, safety, and sustain - Drone technology, DevOps and its challenges

	Resource Person 1 - Details **Name :** Prof Atanu Roy Chowdhury **Designation :** Founder cum Managing Director, Gapcrud Private Limited **University/ Company :** Capsule Labs, Kolkata **Address :** Kolkata, 700097.
	Resource Person 2 - Details **Name :** Dr Monica Gahlawat **Designation :** Associate Professor, Computer science **University/ Company :** L J University, Ahmedabad **Address :** Ahmedabad, 382210.
	Resource Person 3 - Details **Name :** DrAshutosh Mishra **Designation :** Assistant Professor, Dept of ECE **University/ Company :** NIT, Calicut **Address :** Kozhikode, 673601.
	Resource Person 4 - Details **Name :** Dr Suresh A Shan **Designation :** Chairman, CSI Mumbai Chapter **University/ Company :** CSI Mumbai Chapter, Mumbai **Address :** Mumbai, 400001.
	Resource Person 5 - Details **Name :** Prof Samuel Tensingh **Designation :** Associate Lecturer, Computer Science **University/ Company :** University of Sydney, Australia **Address :** Australia, 2006.
	Resource Person 6 - Details **Name :** Jothish Kumar M **Designation :** Assistant Professor Sr. Grade 2, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 7 - Details **Name :** Iyapparaja M **Designation :** Professor Grade 1, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.

Resource Person's Profile :

1. Profile of Prof Atanu Roy Chowdhury

Prof Atanu Roy Chowdhury is a Founder cum Managing director of Capsule Labs Pvt. Ltd, Kolkata, INDIA from Nov 2020. He is having more than 20 years of experience in the field of AI, Ethical hacking. He is acting as board of mentor in KL technology Incubator foundations, Sikkim, INDIA from 2022. He is a board of mentor for Atal Incubation center -Sikkim Manipal University from October 2022. Acting as advisory board member of Ranmir foundation technologies and Culcutta institute of technology.

2. Profile of Dr Monica Gahlawat

Dr. Monica Gahlawat is a seasoned professional with over 17 years of extensive experience in academia and industry. Currently serving as an Associate Professor at L J University, she brings a wealth of knowledge and expertise to the field of technology and education. Dr.Gahlawat is actively engaged in cutting-edge research and is deeply passionate about exploring innovative solutions in the realm of technology. She is expertise in Machine Learning, Digital twin technologies, and Block chain.

3. Profile of DrAshutosh Mishra

Ashutosh Mishra has received the Ph.D. degree from IIT Kharagpur, Kharagpur.
He was a Junior Research Fellow with the Defence Research and Development Organisation (DRDO), New Delhi, India. Currently he is working as Assistant Professor in the Dept. of ECE, NIT Calicut. He is having more than 15 years experience in teaching cum research. His current research interests include digital VLSI design, digital signal processing, ML, and Image processing.

4. Profile of Dr Suresh A Shan

Dr.Suresh A Shan is a Chairman in CSI Mumbai Chapter,Mumbai. He received his doctorate in computer science specialization with mobility technology, behavior at rural INDIA. He is having 20 years of experience in Technology implication in transportation domain. He is passionate in self drive, BFSI technology. He is acting as Urban complexity advisor, corporate customer evangelist, data scientist.

5. Profile of Prof Samuel Tensingh

Prof.Samuel Jigme Harrison is presently working as Associate Lecturer, University of Sydney, Australia. He is having 15 years of experience in ICD technologies, AI, and ML. He is MS specialist in ICD design a join degree from Nan yang University, Singapore. Samuel started his career with Avago Technologies, Singapore in 2010 as an IC Design Engineer.Samuel was then employed with ST Microelectronics Asia Pacific PTE Ltd, Singapore from 2017 to Oct2022 as the Senior Digital IC Design Engineer.

6. Profile of Jothish Kumar M

Dr.M.Jothish Kumar, Assistant Professor Senior, Department of Smart Computing ,School of Computer Science Engineering and Information Systems, Vellore Institute of Technology, Vellore. He has been in professional field for more than 15 years and has served in various capacities.

7. Profile of Iyapparaja M

Iyapparaja M is a Professor in SCORE, VIT, Vellore. He has more than 15 years of experience in teaching cum research. He has published more than 60 papers in reputed journals, conference, and book chapters. He produced 5 scholars in the field of software testing, machine learning, and cloud computing. His research interests includes Machine learning, Federated learning, DevOps.

To explore the synergistic integration of Artificial Intelligence (AI), Digital Twin technology, Block chain, Drones,DevOps and Generative AI (GenAI) in creating intelligent systems that have the potential to revolutionize various industries. The convergence of these cutting-edge technologies opens up new possibilities for enhanced efficiency, decision-making, and innovation across various research domains.

ChatGPT, Hardware for ML, Block chain

Coordinator's:	Prof. IYAPPARAJA M 14036 - Professor Grade 1 - SCORE Prof. JOTHISH KUMAR M 19726 - Assistant Professor Sr. Grade 2 - SCORE