	Faculty Development Program	

Title : Deep Learning and Generative AI

Date : 2025-01-27 - 2025-01-31
Time : 10:00 - 17:30
Venue : SJT G07

Event Outcome

- knowledge Gained on development of Neural Network ans CNN for pattern recognition and other applications in engineering and medicine

- Gain insight in latest trends and future directions in deep learning like Transfer learning and pre-trained models, Reinforcement learning etc

- Knowledge gained on NLP and its application in various domains
- Gain knowledge on Transformers, LLM, BERT and GPT Architecture and Vision transformers
- Gain knowledge on Variational Auto Encoders & Advanced GenAI tools - LangChain & RAG Pipeline , LangChain framework with LLM Models using HuggingFace API

	Resource Person 1 - Details **Name :** Raj Jawahar R **Designation :** Robotics and Manufracturing Engineer, CEO Dynamic design and protonic **University/ Company :** Dynamic design and protonic and bubblebee , Chennai **Address :** india, 600001.
	Resource Person 2 - Details **Name :** Deepan Raj M **Designation :** Senior Technical Lead , Research and development **University/ Company :** HCL, Chennai **Address :** India, 600001.
	Resource Person 3 - Details **Name :** Stephenson Ebinezer **Designation :** Senior Manager Data science and Business Intelligence , Verizon **University/ Company :** Verizon , Chennai **Address :** India, 600001.
	Resource Person 4 - Details **Name :** JAI GANESH SURESH **Designation :** SENIOR AI ARCHITECT LEAD , VALEO **University/ Company :** VALEO, Chennai **Address :** India, 600001.
	Resource Person 5 - Details **Name :** Richard Rozario A **Designation :** Python Developer, Product Enablement Specialist **University/ Company :** Kissflow , Chennai **Address :** India, 600001.
	Resource Person 6 - Details **Name :** Arun Pandian J **Designation :** Assistant Professor Sr. Grade 1, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 7 - Details **Name :** Ganesan K **Designation :** Professor Higher Academic Grade, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 8 - Details **Name :** Vivekananda Gn **Designation :** Associate Professor Grade 1, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.

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	Resource Person 9 - Details **Name :** Ramya.g **Designation :** Assistant Professor Sr. Grade 2, School of Computer Science Engineering and Information Systems **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 10 - Details **Name :** Vijayarajan V **Designation :** Professor Grade 1, School of Computer Science and Engineering **University/ Company :** VIT, Vellore **Address :** India, 632014.

Resource Person's Profile :

1. Profile of Raj Jawahar R

Have experience more 12 year in software Industry and currently researcher entrepreneur and CEO of BubbleBlee Dynamic design and protonic. His projects focus on advancing cutting edge technologies and developing innovating solution for evolving engineering landscape

2. Profile of Deepan Raj M

Working as a Technical Lead in HCL , Chennai and leading the team for various products that includes Anomaly detection, object detection for mobile apps, Automation of OCR process. Lead the team on creating light weight object detection for VR based mobile app.

3. Profile of Stephenson Ebinezer

Senior Manager Data science and Business Intelligence , Verizon, Chennai. Highly experienced Data Science leader with a proven track record of driving data-driven decision-making and innovation in diverse industries. Skilled in leading cross-functional teams to develop and implement advanced analytics, machine learning models, and AI solutions that deliver actionable business insights. Expertise in managing the full lifecycle of data

4. Profile of JAI GANESH SURESH

Currently working as SENIOR AI ARCHITECT LEAD VALEO
AI RESEARCH and DEVELOPMENT. LAST ONE DECADE IN AI ERA.
SPEAKER OF INDIA BOOK OF RECORD. Overall 11 years of career experience in various prominent organization in field of AI.

5. Profile of Richard Rozario A

Python Developer and Trainer. Currently working in Kissflow .Provided corporate training on low code platform
for various organizations within and outside india

6. Profile of Arun Pandian J

Dr. ARUN PANDIAN J received his Ph.D. from Anna University, Chennai, India, in the year 2021. His research interests include computer vision, deep reinforcement learning and deep generative networks. Currently, he is an assistant professor in the School of Computer Science Engineering and Information Systems, Vellore Institute of Technology, Vellore, India. Having Eight years of teaching experience, he also served as a faculty-in charge for the NVidia Deep Learning Research Centre for administe

7. Profile of Ganesan K

Professor Higher Academic Grade, School of Computer Science Engineering and Information systems

8. Profile of Vivekananda Gn

Associate Professor
Department of Information Technology
School of Computer Science Engineering and Information Systems

9. Profile of Ramya.g

Her subject interest includes picture languages in formal theory, networking, programming languages, deep learning. She has published more than 50 papers in international journals. She is having 16 years of teaching experience. She is currently working as an Assistant Professor (senior) in School of computer science Engineering and information systems, VIT -Vellore, India.

10. Profile of Vijayarajan V
Professor, School of Computer Science and Engineering , VIT , Vellore

strengthen understanding of the foundations of deep learning and present the newest developments, such as transformers, generative AI, and responsible AI.
Highlight real-world uses of deep learning in fields like manufacturing, computer vision, healthcare, and the automobile industry.
Give participants the research and development skills they need for innovative deep learning projects, promoting creativity and real-world applications

colab

Coordinator's: **Prof. ANGULAKSHMI M 11992 - Associate Professor Grade 1 - SCORE**
Prof. RATHI R 11947 - Associate Professor Grade 1 - SCORE