



Faculty Development Program



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

Discussion Points

Title : Empirical approach to Deep Generative AI with Large Language Model and Computer Vision

Date : 04-Dec-2023 - 08-Dec-2023

Time : 10:00 - 17:30

Venue : VIDEO CONFERENCE HALL CENTRAL LIBRARY

- Fundamentals of Deep Learning
- Introduction to Large Language Models
- The Role of Computer Vision in AI
- Practical Applications of Deep Generative AI
- Ethical Considerations in AI Development
- Faculty's Role in Shaping the Future of AI Education
- Hands-On Workshops and Projects in AI and Computer Vision

	<p>Resource Person 1 - Details Name : Saravanaguru Ra.k Designation : Professor Grade 1, School of Computer Science and Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 2 - Details Name : Santhi K Designation : Professor Grade 1, School of Computer Science and Engineering University/ Company : VIT, Vellore Address : India, 632014.</p>
	<p>Resource Person 3 - Details Name : Dr V Ajantha Devi Designation : Research Head, AP3 Solutions University/ Company : AP3 Solutions, Chennai Address : India, 600096.</p>
	<p>Resource Person 4 - Details Name : Dr Deiva Sundaram Nainar Designation : Managing Director, NDS Lingsoft Soutions Private Limited University/ Company : NDS Lingsoft Soutions Private Limited, Chennai Address : India, 600020.</p>
	<p>Resource Person 5 - Details Name : Dr Anusuman Mahapatra Designation : Assistant Professor, Computer Science and Engineering University/ Company : National Institute of Technology , Puducherry Address : India, 606609.</p>
	<p>Resource Person 6 - Details Name : Dr Suresh Kannaiyan Designation : Managing Director, Data Science Research University/ Company : MENMOZHI TECHNOLOGIES, Bengaluru, Karnataka Address : India, 560068.</p>
	<p>Resource Person 7 - Details Name : Dr Madhan Karthikeyan Designation : Director, Microsoft workplace Transformation University/ Company : Infosys Limited , Chennai Address : India, 600119.</p>

Resource Person's Profile :

1. Profile of Saravanaguru Ra.k

Being a part of VIT family since 2004, feeling excited with workplace atmosphere and people (student, peer team, management).

2. Profile of Santhi K

K.Santhi has received Ph.D. in Computer Science and Engineering from Pondicherry University, Puducherry, India. She has pursued her M.E in Computer Science and Engineering from Anna University, Chennai. Currently she is working as Professor in the School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, India. She has published many national and international journal papers. She is an active member in various professional bodies -CSI, ISTE, IEEE and IAE

3. Profile of Dr V Ajantha Devi

Dr V. Ajantha Devi is working as a Research head in AP3 Solutions, Chennai, Tamil Nadu, India and mentor professionals to improve their skills in the data field.

She received her PhD from University of Madras in 2015.

She has worked as Project Fellow under UGC Major Research Project. She is a senior IEEE member.

She has been certified as Microsoft Certified Application Developer and Microsoft Certified Technical Specialist from Microsoft Corp.

She has more than 45 papers in international jou

4. Profile of Dr Deiva Sundaram Nainar

Dr N . Deiva Sundaram Former Professor and Head, Department of Tamil Language and Linguistic Studies Unit, University of Madras, Chennai.

PG and Ph.D. courses conducted. - established Tamil Language Technology Lab at Dept. of Tamil Language, University of Madras - conducted PG and Ph.D. courses on Applied Linguistics and Computational Linguistics.

Completed many projects on Language Technology - conducted many workshops and conferences on NLP -

-2010 retired - started NDS Lingsoft Solutions P

5. Profile of Dr Anusuman Mahapatra

Experienced Assistant Professor with a demonstrated history of working in the higher education industry. Skilled in Optimization, Algorithms, and Pattern Recognition. Strong education professional with a Ph.D. focused on Computer Vision, specialized in video analytics.

6. Profile of Dr Suresh Kannaiyan

Dr Suresh Kannaiyan has started the firm MENMOZHI TECHNOLOGIES in Bengaluru which focus on building innovative AI products and solutions for sectors including but not limited to Banking, Finance, Education, Agriculture and Medical. The firm is registered under MSME scheme and GST of Government of India.

7. Profile of Dr Madhan Karthikeyan

Responsible for Digital Workplace Services in Americas and Google Workspace Offerings across geographies. Responsible for AI development and integration into offerings. Driving Business Growth, Execution of large programs across diverse technologies, Contracts, Operations Management, Hiring, People Management, Driving Innovation, Automation, Re-skilling and deployment, Competition Management, defining process frameworks.

This Faculty Development Program equips educators with hands-on knowledge of deep generative AI, large language models, and computer vision. Participants explore the capabilities, limitations, and ethical considerations of these technologies in education. The program empowers faculty to innovate in teaching, research, and responsible AI use, preparing students for an AI-driven future.

NLTK, TensorFlow, PyTorch, Keras, Pandas, NumPy, and scikit-learn

Coordinator's: Prof. SANTHI K 14723 - Professor Grade 1 - SCOPE
Prof. CHELLATAMILAN T 15927 - Associate Professor Sr. - SCOPE