



Faculty Development Program



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

Discussion Points

Title : Recent Advancement and Applications in Artificial Intelligence: Research Perspective

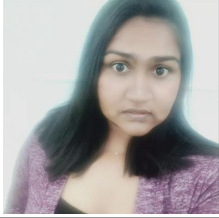
Date : 2024-05-06 - 2024-05-10

Time : 10:00 - 17:30

Venue : TT 725

- Classical AI to Gen AI
- Challenges and Opportunities of Gen AI
- GIS applications using Deep learning
- LLM and its Optimization techniques
- Evident and Responsible AI
- Realtime video applications using Computer Vision

	<p>Resource Person 1 - Details Name : Mr Sandeep Giri Designation : Founder, CoFOunder University/ Company : Cloudxlab and Myto AI, Ontario Address : Canada, 97914.</p>
	<p>Resource Person 2 - Details Name : Dr S RAKESH KUMAR Designation : Technical Manager, Research and Development Services University/ Company : HCL Technologies Ltd, Chennai Address : India, 600097.</p>
	<p>Resource Person 3 - Details Name : Dr Ajay D M Designation : Senior Research Engineer, Research and Development University/ Company : HCL Technologies Limited, Chennai Address : India, 600097.</p>
	<p>Resource Person 4 - Details Name : Dr Deepu Raveendran Designation : Senior Chief Engineer, Visual Intelligence University/ Company : Samsung Research Institute, Bangalore Address : India, 560037.</p>
	<p>Resource Person 5 - Details Name : Mr Mithun D J Designation : Senior Manager, Data Science University/ Company : Accolite software corporation, Bangalore Address : India, 560064.</p>
	<p>Resource Person 6 - Details Name : Abdul Rasheed Feroz Khan Designation : Director and Technical Consultant , AI Engineer University/ Company : CodeSizzler, Salem Address : India, 636001.</p>
	<p>Resource Person 7 - Details Name : Dr ANUVELAVAN S Designation : Assistant Professor, Computer Science and Engineering University/ Company : Anna University BIT Trichy, Trichy Address : India, 620024.</p>
	<p>Resource Person 8 - Details Name : Dr D Senthil Kumar Designation : Assistant Professor, Department of Computer Science and Engineering University/ Company : Anna University Trichy, Trichy Address : India, 620024.</p>



Resource Person 9 - Details

Name : BANU PRIYA

Designation : BUSINESS CONSULTANT, Accenture

University/ Company : Accenture , Bangalore

Address : India, 560076.



Resource Person 10 - 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 11 - Details

Name : Lakshmi Priya G G

Designation : Professor Grade 2, School of Design

University/ Company : VIT, Vellore

Address : India, 632014.

Resource Person's Profile :

1. Profile of Mr Sandeep Giri

Hands-on engineering leader with 21 years of strong experience in building high-performance, intelligent, and scalable systems. Worked with DevRev, Amazon, Inmobi, and D. E. Shaw and started an enterprise product-based and consumer EduTech start-up. Technical skills are Large Language Models, Deep Learning, Machine Learning, Distributed Computing, Data Structures, Algorithms, Data Engineering

2. Profile of Dr S RAKESH KUMAR

A passionate engineering manager with 15 years of experience in cross-functional team management, technical writing, and innovative mindset. He has published 43 scopus indexed journal and 15 sci research publications. Currently working in responsible AI and Human-AI Interaction (HAX).

3. Profile of Dr Ajay D M

A Senior Research Engineer at HCL Technologies, where cybersecurity research across Generative AI, Healthcare, Automobile, and Industrial domains were applied. Research interest lies towards adoption of Responsible AI in the pursuit of an effective and efficient cybersecurity management.

4. Profile of Dr Deepu Raveendran

Current research area is focused on applying Deep Learning to Computer Vision problems, developing deep learning models for image retrieval, image classification, image recognition and image segmentation problems. He is involved in the development of algorithms in computer vision, machine learning and optimization of these algorithms to specific use cases (ADAS, Defence, Medical Images etc).

5. Profile of Mr Mithun D J

Certified AWS trainer with more than 10 years of experience as Data Science Engineer. Expert in R, Python, SPSS, ORANGE, TABLEAU, Machine Learning, Deep Learning, NLP

6. Profile of Abdul Rasheed Feroz Khan

Leading AI Engineer and Founder of CodeSizzler close to 10 years of experience. Research interest lies in practicing Azure AI in solving current real-time problems. Microsoft Certified Trainer working in various platforms like Azure, Power Apps, Dynamics 365, Amazon Web Services (AWS) and Google Cloud Platform (GCP), Cross Platform App Development using Xamarin, UWP, Office 365, Open Source environments, etc Have worked with implementation plans and as a cloud advocate for Azure and Amazon

7. Profile of Dr ANUVELAVAN S

Dr. ANUVELAVAN.S is working as a faculty in Dept. of Computer Science in Anna University from 2011 with NIRF No 13. His research areas are Spatial Data mining, GIS, IoT ,Networking, Cloud Computing. He has published several papers in reputed journals and international conferences. He has delivered several lectures in various forums.

8. Profile of Dr D Senthil Kumar

Dr. Senthilkumar D is working as a faculty in Dept. of Computer Science in Anna University from 2009 with NIRF No 13. His research areas are data science soft computing and data analytics. He has organised several workshops and conferences and has published several papers in reputed journals and international conference.

9. Profile of BANU PRIYA

Banu Priya is currently working as a Business Consultant in Accenture and have more than 10 years of work experience. She has worked in several projects dealing with Generative AI use case identifications, design use cases, and prompt flows. She has created strategic pitches, Points of view and plan for different initiatives(Acceleration centers, Panel Discussions) industries and initiatives.

10. Profile of Ganesan K

Dr. K. Ganesan is currently working as a professor (HAG) in SCORE school, VIT Vellore. He has conducted nearly 375 training programs for students ,faculties, start ups in cutting edge technologies such as embedded systems, Sensors, IoT, Mobile computing, Big Data Analytics, Image and Signal processing, Cryptography, Deep and machine learning, Artificial Intelligence .He has completed 25 consultancy projects from Industries. Dr. K. Ganesan has filed 27 patents which include one US patent.

11. Profile of Lakshmi Priya G G

Dr. Lakshmi Priya G G is currently working as a Professor at the Department of Multimedia, VIT School of Design (V-SIGN), VIT, Vellore. She holds M.C.A., M.Phil., and Ph.D. degree from Department of Computer Applications, National Institute of Technology, Tiruchirappalli. She has more than 15 years of teaching and research experience. She has presented several research papers at both National and International conferences and published many research articles in SCI and scopus indexed journals.

The aim of this program is to explore the emerging trends and practical applications of AI technology. This program delves into the cutting-edge methodologies and innovative approaches driving AI forward in different industry verticals. From machine learning algorithms to black-box models, it examines the use of AI technologies in diverse applications such as healthcare, ecommerce, space and beyond. Attendees can expect insightful discussions on emerging trends, challenges, and the transformative impact of AI on present and future society. Ultimately, this program aims to foster collaboration and knowledge exchange among researchers and practitioners who are working in the growing field of Artificial Intelligence.

Google colab and Azure

Coordinator's: Prof. CHEMMALAR SELVI G 14459 - Assistant Professor Sr. Grade 1 - SCORE
Prof. SIVA RAMA KRISHNAN S 12305 - Assistant Professor Sr. Grade 2 - SCORE