



**A Report on Five Days International Level Online Faculty Development Program on
 “Full Stack Data Science with Generative AI”
 Organised by Department of Computer Science Engineering – (Data Science)
 from 19.08.2024 to 23.08.2024**



Event Coordinators: Mrs. Vidhyashree B, Assistant Professor, Department of CSE- (Data Science); Mrs. Nandhini M, Assistant Professor, Department of CSE- (Data Science); Mrs. Anusuri Krishnaveni, Assistant Professor, Department of CSE- (Data Science).

Total Participants: 500+ participants of Faculties, Research Scholars and Students in International Level.

Report Received on 31.08.2024.

Mode of Conduct: Online.

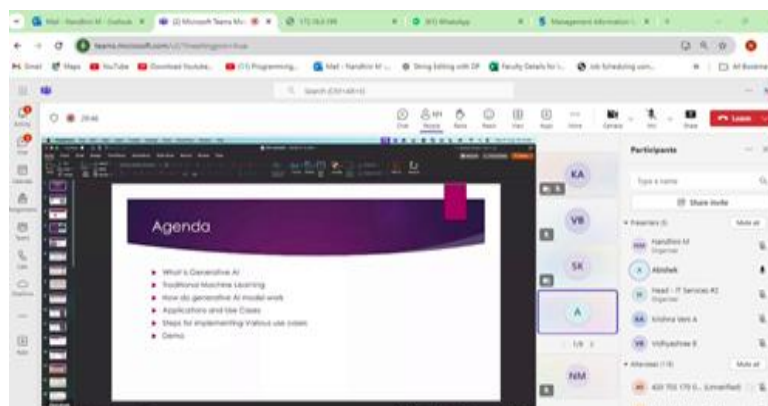
Department of CSE-(Data Science) organized International Level Faculty Development Program Titled "Full Stack Data Science with Generative AI" through an online platform from 19-08-2024 to 23-08-2024 drew an impressive audience of 500+ participants, which includes faculty members, dedicated research scholars and enthusiastic students hailing from every corner of India.

The session started by 10:00 AM with 495 participants. Dr. C. Yuvaraj, Principal, graced the occasion with a felicitation address, infusing the event with a sense of importance and prestige. He wished all the participants to attend the FDP program and learn new things. Following this, Dr. S. Kusuma, the dynamic Head of the Department of CSE-(Data Science), extended a warm and insightful welcome, underlining the program's significance and emphasizing the profound role that Data Science plays in the contemporary landscape. Dr. K. Lokeshwaran, Assistant Professor in the Department of CSE-(DS), provided a comprehensive overview of the upcoming FDP sessions. Mrs. Vidhyashree B, Assistant Professor in the Department of CSE-(DS), introduced the resource person.

Day 1: 19/08/2024 Session -1

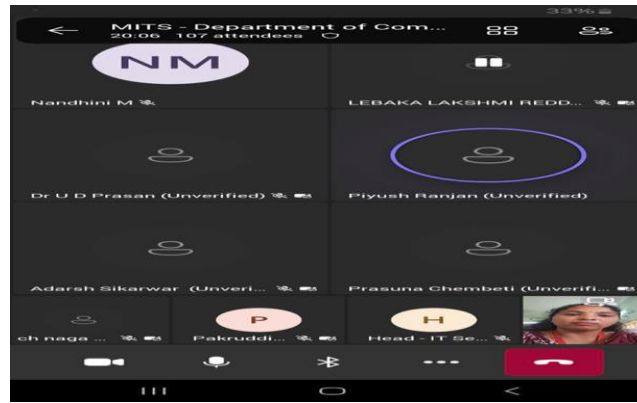
Resource Person: Dr. Amudhavel Jayavel, Senior Lecturer in De Montfort University, United Kingdom

Topic: Generative AI with Parallel Programming: Strategies, Models and Practical Probability and Statistics for data Science



Session – II:

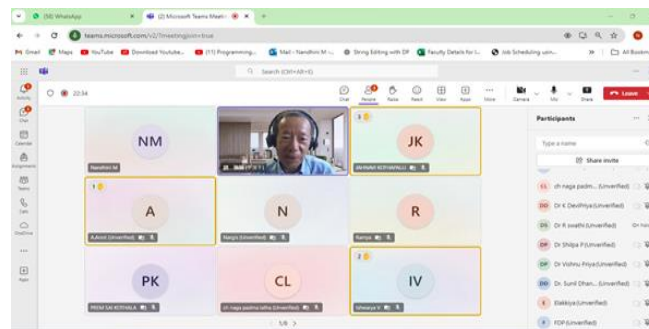
Resource Person: Piyush Ranjan, Senior Manager in Novo Nordisk



Day 2 : 20/08/2024 Session -I

Resource Person: Dr. Qiangfu Zhao, Professor in the University of Aizu,Japan

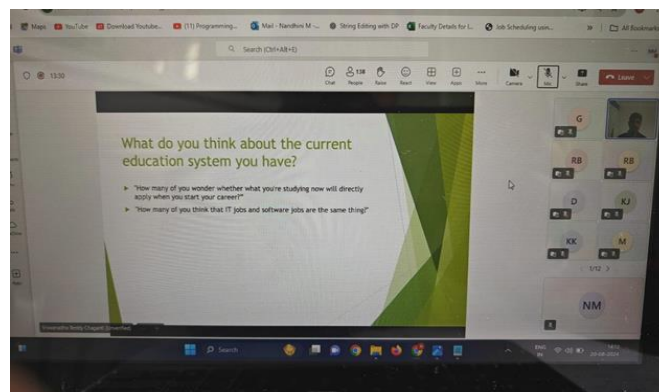
Topic : Attention-Based Deep Learning.



Session -II:

Resource Person: Mr. Viswanadha Reddy Chaganti, Senior System Engineer in Oracle,UK

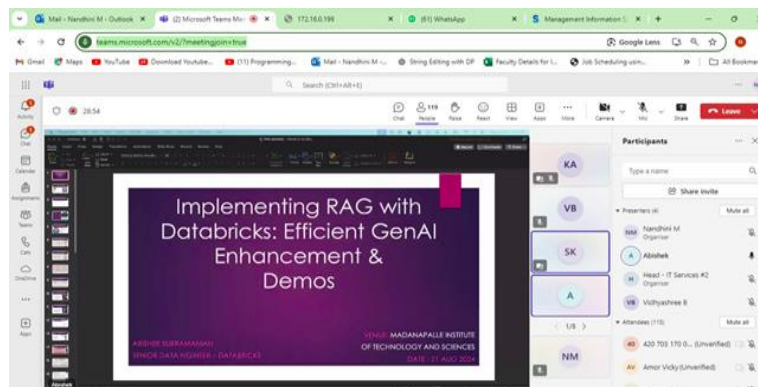
Topic: The Physical Infrastructure(Data Centre) Storage Area Network and the relation to the Cloud



Day 3 : 21/08/2024 Session -I

Resource Person: Mr. Abhishek Subramanian, Senior Data Engineer in Databricks, Bengaluru

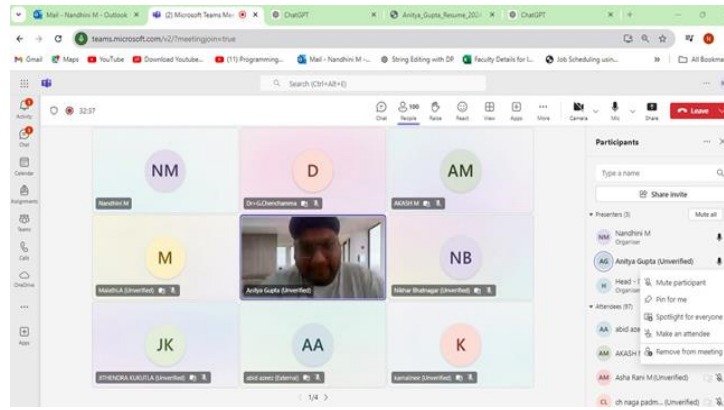
Topic: Databricks and Bigdata Analytics



Session -II

Resource Person: Mr. Anitya Gupta, Senior Technical Support Representative in CodePath.org, San Francisco, CA

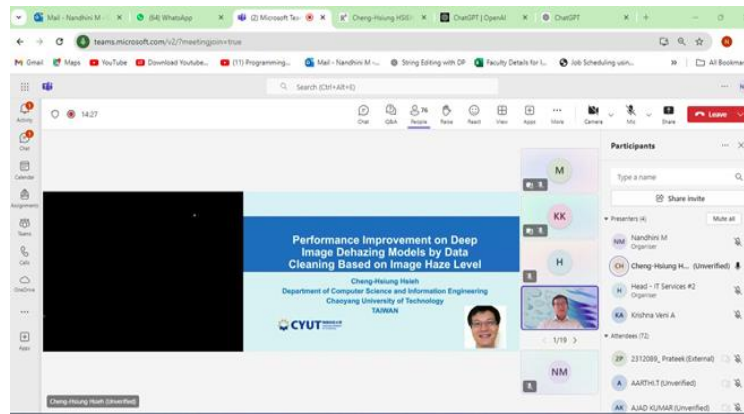
Topic: Exploring research in Generative AI



Day 4: 22/08/2024 Session -I

Resource Person:By: Dr. Cheng-Hsiung Hsieh, Professor in Chaoyang University of Technology, Taiwan

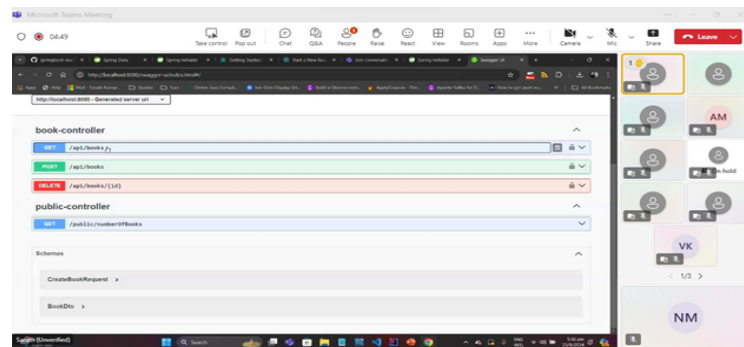
Topic: Performance Improvement on Deep Image Dehazing Models by Data Cleaning based on Image Haze Level



Session -II

Resource Person: Mr. Naveen Gunasekaran, Principal Software Engineer in Chargebee, Chennai

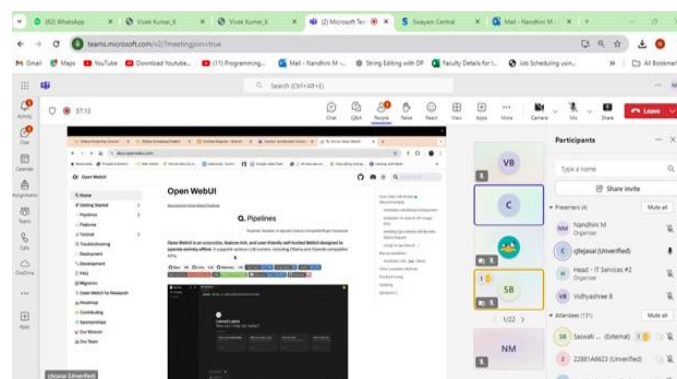
Topic: Generative AI in Action:Real –Time PDF Insights



Day 5 : 23/08/2024 Session -I

Resource Person: Mr. C J Teja Sai, Technology Lead in Knowledge Lens:A Rockwell Automation Company, Bengaluru

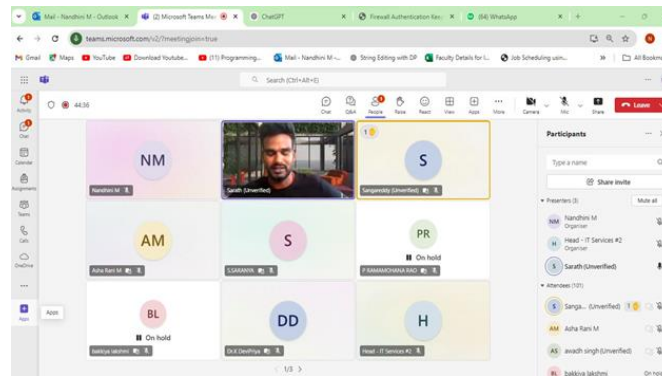
Topic: Generative AI on Local Machines: Leveraging LangChain and Llama3.



Session -II

Resource Person: Mr. Sarath Kumar Manimaran, Senior Technical Analyst in DBS, Singapore

Topic: Full Stack Mastery: Building Applications with React and Spring Boot



Outcome of the FDP:

The outcome of this Faculty Development Program (FDP) titled "Full Stack Data Science with Generative AI" is likely to be multifaceted, bringing about several positive impacts for the participants, the department, and the broader academic and professional community. Some potential outcomes include:

- **Enhanced Knowledge and Skills:** Participants would have gained in-depth insights into various aspects of Data Science, including Spring Boot development, security practices, coding in the era of AI, Kafka messaging system, cloud computing, cyber security secrets, microservices, sustainable solutions, AI applications, and Data Bricks.
- **Professional Development:** The FDP, featuring distinguished speakers from reputable organizations, contributes to the professional development of the participants. Exposure to real-world industry practices and the latest trends in Data Science can significantly enrich their skill sets.
- **Networking Opportunities:** Interaction with experts and peers from diverse backgrounds provides valuable networking opportunities. Participants can establish connections that may lead to collaborations, research partnerships, or future professional engagements.
- **Industry Relevance:** The FDP's focus on industry insights ensures that the knowledge imparted aligns with current industry demands. This ensures that participants are well-prepared for the practical challenges and expectations of the professional world.
- **Application of Learning:** The practical sessions and real-world case studies presented during the FDP enable participants to apply theoretical knowledge in practical scenarios. This hands-on experience is crucial for bridging the gap between academic understanding and real-world application.
- **Enriched Teaching Methods:** Faculty members who attended the FDP can bring back innovative teaching methods and contemporary industry practices to their classrooms. This contributes to the overall improvement of the quality of education imparted by the department.
- **Increased Visibility:** The success of the FDP, featuring renowned speakers and covering diverse topics, can enhance the department's reputation. This increased visibility may attract more opportunities for collaboration, research projects, and sponsorships.
- **Inspiration for Research:** Exposure to cutting-edge topics and industry applications may inspire faculty and research scholars to explore new research avenues, contributing to the academic advancement of the department.

In essence, the FDP is likely to have a positive and lasting impact on the participants and the department, fostering a culture of continuous learning, innovation, and collaboration within the realm of Data Science.

Valedictory:

In concluding FDP, Mrs. Vidhyashree B, Assistant Professor, Department of CSE(DS), delivered vote of thanks by thanking the management for providing an opportunity to enhance our horizons in the ever evolving field of Data Science.