



Report on Faculty Development Programme

Title: Emerging Frontiers: Data Analytics, Generative AI, and Machine Learning

Date: May 06, 2024 - May 10, 2024

Organized by: SVKM's NMIMS, MPSTME, Shirpur Campus

Coordinators:

Dr. Praveen Kumar Loharkar, Assistant Professor, Department of IT & DS

Prof. Rajesh Verma, Assistant Professor, Department of IT & DS

The Faculty Development Programme (FDP) on "Emerging Frontiers: Data Analytics, Generative AI, and Machine Learning" was organized from May 06, 2024, to May 10, 2024, at SVKM's NMIMS, MPSTME, Shirpur Campus. The objective of the program was to equip faculty members with the latest tools and techniques in the domains of data analytics, generative AI, and machine learning to enhance their teaching methodologies and research capabilities. The FDP received overwhelming response from participants belonging to different colleges such as, SPTM, Shirpur, RCPIT Shirpur, and RCPET's IMRD, Shirpur, along with in-house faculty members. The organizing committee had to accommodate additional participants beyond the limited seats (50) on special request.

Inauguration and Organizers:

The FDP commenced with an inaugural ceremony graced by Dr. R.S. Gaud, Incharge Director of SVKM's NMIMS, MPTP Shirpur campus. Dr. Venkatadri Marriboyina, Associate Dean of SVKM's NMIMS, MPSTME, Shirpur Campus, chaired the program. Dr. Praveen Kumar Loharkar, extended a warm welcome to the distinguished guests and participants, outlining the purpose and objectives of the program. Dr. R.S. Gaud, Incharge Director, addressed the participants on the rationale behind such programmes and the need for everyone to embrace the latest developments in the field of AI to improve efficiency and enrich teaching and research.



Highlights of the Programme:

Day 1:

Mr. Shubham Bhatt, Manager Analytics Data Science from Jio Platforms Ltd., Mumbai, delivered sessions on advanced Excel functions, pivot tables, VLookups, HLookups, and XLookup. The day concluded with a demonstration and hands-on session on data visualization tool Power BI.



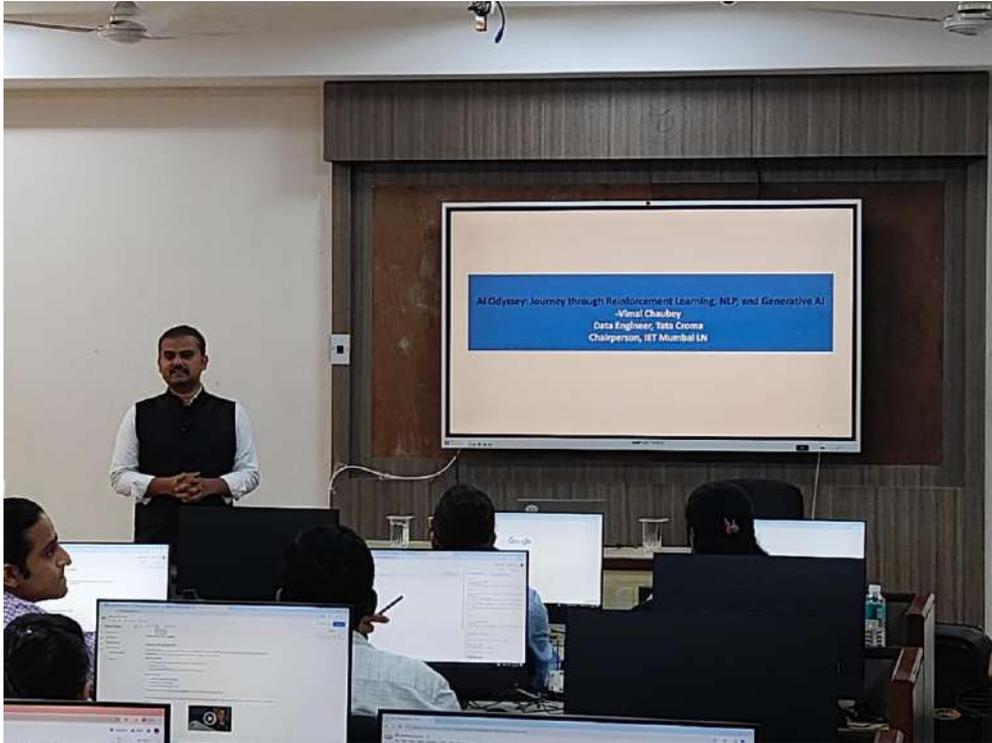
Day 2:

Mr. Gaurav Ojha, KPMG, Mumbai, elucidated the fundamentals of machine learning. He conducted hands-on sessions on the classification of customer churn and diabetes datasets, followed by a demonstration on cloud deployment of ML models.



Days 3 and 4:

Mr. Vimal Chaubey, Data Engineer at Tata Croma, Mumbai, covered Reinforcement Learning, Natural Language Processing, and Generative AI. He provided practical demonstrations on industry use cases, ensuring a comprehensive understanding of the concepts.



Day 5:

Mr. Aakash Walavalkar, Data Scientist from Harman-A Samsung Company, Mumbai, introduced the concept of Graph Database software Neo4j. Practical sessions on Neo4j integration with machine learning were conducted. Additionally, a small session on No Code ML was covered by the faculty coordinators.

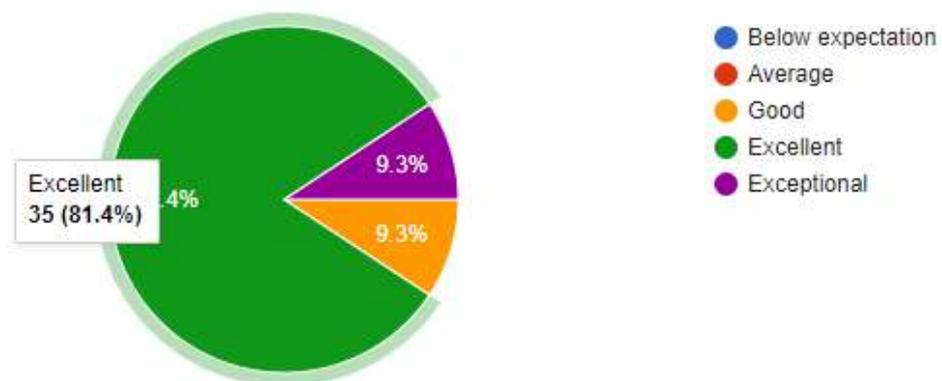


Participant Engagement and Feedback:

Throughout the five-day duration, participants actively engaged in the sessions, showcasing enthusiasm and eagerness to learn. The interactive nature of the program facilitated robust discussions and knowledge exchange. Excellent feedback was received from the participants, acknowledging the relevance and effectiveness of the sessions in enhancing their skills and understanding of emerging technologies.

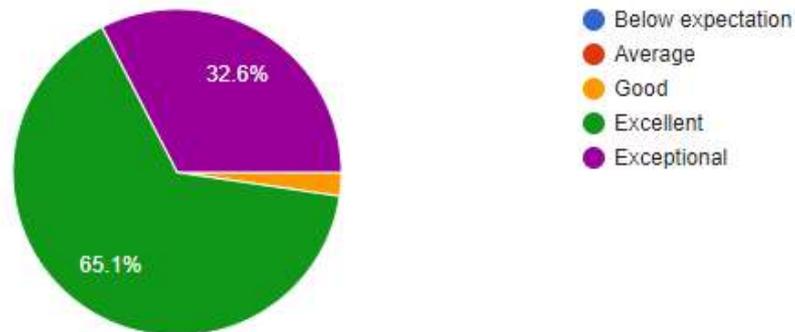
How do you rate the expertise of the Resource persons?

43 responses



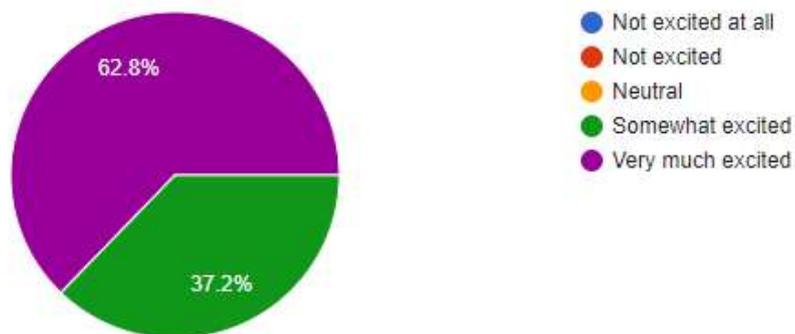
How do you rate the lab facility and the resources provided for Hands-on Sessions?

43 responses



Are you excited to implement your learnings in this FDP for teaching, research, etc.?

43 responses



Conclusion:

The Faculty Development Programme on "Emerging Frontiers: Data Analytics, Generative AI, and Machine Learning" was a resounding success, providing valuable insights and practical knowledge to the faculty members. The program not only enhanced their teaching capabilities but also equipped them with the tools necessary to undertake cutting-edge research in their respective fields. The FDP culminated with the distribution of certificates, marking the successful completion of the program.



Acknowledgment:

The faculty coordinators expressed deep appreciation to the resource persons for sparing their valuable time and sharing their insights. They also extended their heartfelt gratitude to the management, Dr. R.S. Gaud, Incharge Director of SVKM's NMIMS, MPTP Shirpur, Dr. Venkatadri Marriboyina, Associate Dean of SVKM's NMIMS, MPSTME, Shirpur Campus, and Mr. Rahul Dande, Chief Accountant and Administrator at SVKM's NMIMS, MPTP Shirpur, along with his dedicated team, for their invaluable logistical support. They also extended heartfelt gratitude to the lab support staff and all the participants whose collective efforts ensured the successful execution of the Faculty Development Programme.

Coordinators

FDP- Emerging Frontiers: Data Analytics, Generative AI, and Machine Learning