



DMI COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
FACULTY DEVELOPMENT PROGRAM
ON
GENERATIVE ARTIFICIAL INTELLIGENCE

DATE : 05/08/2023

TIMING : 9.30 AM – 1:30PM

DMI COLLEGE OF ENGINEERING
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NH-48, Palanchur, Nazarethpet Post, Chennai, Tamil Nadu - 600 123.

With the blessings of
Very Rev.Fr.Dr.J.E.ARUL RAJ
Founder and Chairman of DMI & MMI Group of Institutions

DEPARTMENT OF INFORMATION TECHNOLOGY
Organizes
FACULTY DEVELOPMENT PROGRAM
ON
GENERATIVE ARTIFICIAL INTELLIGENCE (AI)

Venue: Seminar Hall, DMICE Campus
Date: 05.08.2023 & Time: 09:00 am.

Resource Person:
Dr.R.JOSEPH MANOJ
Senior Data Scientist
Cognizant Technologies Solutions
Chennai

Rev.Sr.M.K.TERESA CORRESPONDENT, DMICE	Rev.Sr.P.PRADEEBA ADMINISTRATOR, DMICE	Dr.N.AZHAGESAN PRINCIPAL, DMICE
	Dr.B.MUTHUKUMAR HOD - IT, DMICE	



Introduction:

The Faculty Development Programme on Generative AI was organized by Department of Information Technology on 05-08-2023. The program aimed to equip faculty members and educators with the knowledge and skills required to teach and conduct research in the field of Generative Artificial Intelligence (AI).

Objectives

The primary objectives of the Faculty Development Programme on Generative AI were as follows

1. To know the difference between General AI and Generative AI.
2. To understand the fundamentals of Generative AI and its significance in various real-world applications.
2. Familiarize faculty members with popular Generative AI models and algorithms,
3. Foster an understanding of ethical considerations related to Generative AI research and applications.
4. Expose participants to the latest trends and advancements in the field of Generative AI.
5. Explore various AI Tools – Chat GPT (Open AI), Bard (Google), Dalli

Topics Covered:

The programme encompassed a comprehensive curriculum covering essential aspects of Generative AI.

Key topics included

1. Introduction to Generative AI

- Basics of AI and machine learning.
- The significance of Generative AI in diverse domains

2. Fundamentals of Generative Models

- Overview of generative models and their types.
- Theoretical foundations and core concepts

3. Natural Language Processing (NLP) and Text Generation

- Language modeling for text generation.
- Sequence-to-sequence (Seq2Seq) models.

4. Conditional Generation

- Techniques for conditional data generation.
- Un-supervised and unsupervised approaches.

5.Ethical Considerations

- Discussions on ethical implications of Generative AI.
- Responsible use of AI technology.

6.Research Trends and Applications

- Exploration of cutting-edge research in Generative AI.
- Real-world applications and case studies.

Outcomes:

(i)Enhanced Knowledge: Participants gained a comprehensive understanding of Generative AI concepts, algorithms, and their practical applications. They will develop a solid foundation to teach the subject effectively.

(ii)Networking and Collaboration: The programme facilitated networking among faculty members from different departments. It encouraged interdisciplinary collaborations and potential joint research initiatives.

(iii)Inspiration for Research: Several participants expressed their interest in exploring research avenues in Generative AI, both independently and collaboratively.

(iv)Teaching Resources: Faculty members received teaching materials, including lecture slides and code samples, to integrate Generative AI topics into their courses..

(v)Demo: The Demo session enabled participants to gain practical experience in building and training generative models. This practical exposure boosted their confidence in working with AI frameworks.

Participant Feedback: The Faculty Development Programme on Generative AI received overwhelmingly positive feedback from the participants. Key highlights of the feedback include:

- 1.Participants appreciated the well-structured program, which covered both theoretical concepts and demo on implementations.
- 2.Resource Person from industry experts were highly valued, as they provided valuable insights into real-world applications of Generative AI.
- 3.The programme was commended for its relevance and alignment with the latest trends in AI research.

Conclusion

The Faculty Development Programme on Generative AI was a resounding success in equipping faculty members with the necessary knowledge and skills to educate and conduct research in this rapidly evolving field. The participants' enthusiasm and active engagement throughout the programme highlighted the importance of offering such initiatives regularly.

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Department of Information Technology extend sincere gratitude to all the faculty members, guest speaker, and participants who made this programme a resounding success. We look forward to continuing our efforts to promote AI education and research in the future.