

### **Event Report**

- **Event Title-** Generative AI: Applications
- **Duration –** 2 Hours
- **Target Participants-** Research Scholars, UG/PG Students and faculties.
- **Resource Person-** Dr. Partha Pratim Roy.  
Associate Professor,  
Dept. of Computer Science and Engineering, IIT Roorkee
- **Event Coordinator-** Mr. Nilesh S. Ahire

Almost 133 Research Scholars, UG/PG Students and faculties from Institute of Engineering, benefited by this session. An expert talk on “**Generative AI: Applications**” was conducted to provide insights into the rapidly evolving field of artificial intelligence, specifically focusing on generative AI. The session aimed to enlighten participants about the principles, real-world applications, and potential of generative AI in various industries. The session was led by Dr. Partha Pratim Roy, Associate Professor, Dept. of Computer Science and Engineering, IIT Roorkee.

#### **Objectives :**

1. **Introduce Generative AI Concepts:** Provide a foundational understanding of generative AI technologies, such as GANs, VAEs, and Transformer models.
2. **Explore Real-World Applications:** Showcase how generative AI is transforming industries such as healthcare, education, media, entertainment, and business.
3. **Encourage Innovation:** Inspire participants to explore the potential of generative AI in solving complex problems and developing creative solutions.
4. **Discuss Ethical and Practical Challenges:** Highlight ethical considerations, challenges, and limitations of generative AI, such as bias, copyright issues, and responsible usage.
5. **Foster Critical Thinking:** Equip participants with the knowledge to critically evaluate the applications and implications of generative AI in their respective fields.
6. **Promote Interdisciplinary Collaboration:** Encourage students, faculty, and professionals from diverse backgrounds to collaborate on AI-driven projects and innovations.
7. **Upskilling for the Future:** Emphasize the importance of acquiring skills in generative AI to stay relevant in a rapidly evolving technological landscape.
8. **Engage Through Q&A:** Provide an interactive platform for participants to ask questions, share ideas, and gain insights from an industry expert.

#### **Session Overview :**

The talk provided participants with a deep understanding of generative AI and its transformative potential across multiple domains. The expert emphasized the

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importance of responsible AI development and usage. Participants expressed their enthusiasm and appreciation for the insights shared. The session concluded with a vote of thanks to the speaker and attendees.

**Feedback :**


Participants appreciated the relevance of the topic and felt motivated to explore generative AI further. Many expressed interest in attending similar sessions in the future, particularly those with a focus on practical applications and technical workshops.

**Conclusion :**

The expert talk on "Generative AI: Applications" was an insightful session that effectively introduced participants to the transformative potential of generative AI in various fields. The expert's skill in breaking down complex ideas, providing practical insights, and engaging participants in meaningful discussions made the session particularly impactful. Key takeaways included a better understanding of generative AI technologies, their real-world applications, and the ethical considerations involved. Participants left feeling inspired and curious to delve deeper into the topic, along with a clearer vision of how they could utilize generative AI in their own areas of work. Overall, the session was a valuable learning experience and established a solid foundation for future initiatives, such as workshops or specialized discussions, aimed at continuing to promote innovation and knowledge-sharing.

**Recommendations :**

Conduct follow-up workshops focusing on hands-on implementation of generative AI tools. Organize domain-specific talks, such as AI in healthcare, education, or business innovation. Provide reading materials or resources for participants to explore the subject further.

  
Prof. N.S. Ahire

Prepared By



  
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Photos of Generative AI : Applications Session of Dr. Partha Pratim Roy, IIT Roorkee 10/10/2024



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Snaps of Activity :

