EXPERT TALK ON - SELF-ORGANIZING SYSTEMS IN ARTIFICIAL INTELLIGENCE

Event No	CS002
Organizing Department	Computer Science and Engineering
Date	23/02/2024
Time	10:00 AM to 12:00 PM
Event Type	Expert Talk
Event Level	Dept. Level
Meeting Medium	
Meeting Link	http://meet.google.com/gwk-rrpi-epj
Total Participants	82
Faculty - Internal	3
Students - Internal	79

Related SDG

Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Mr D Dayananthan	Data Analyst	Accenture	dayanandhandaya@gmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Devi Priya R	Convenor
2	Premkumar D	Coordinator
3	Kiruthika J Kumarasamy	Coordinator

Outcome

The artificial intelligence guest lecture on self-organizing systems yielded profound insights into the integration of self-organizing principles in AI. Attendees gained a deep understanding of applications spanning swarm intelligence to emergent behavior in neural networks. The interactive session fostered lively discussions and highlighted the importance of interdisciplinary collaboration. Overall, the event successfully elucidated the potential and challenges in leveraging self-organization for advancing artificial intelligence.

Event Summary

Introduction: On February 23, 2024, an engaging and insightful guest lecture was held on the topic 'Self-Organizing Systems in Artificial Intelligence' at HPC LAB. The event was organized by CSE / KPRIET with the aim of exploring the fascinating intersection between artificial intelligence and self-organizing systems.**Speaker:** The lecture was delivered by Mr Dayanandan, a renowned expert in the field of artificial intelligence and self-organizing systems. Mr Dayanandan is widely recognized for their groundbreaking research and contributions to the advancement of AI technologies.**Key Highlights:Conceptual Overview:** The lecture began with a comprehensive overview of self-organizing systems, elucidating the fundamental principles and mechanisms that underpin such systems in both natural and artificial contexts.**Applications in AI:** The speaker discussed various applications of self-organizing systems in the field of artificial intelligence, ranging from swarm intelligence algorithms to neural network architectures inspired by biological systems.**Emergent Behavior:** A significant portion of the lecture was dedicated to exploring the concept of emergent behavior in self-organizing systems and its implications for AI research and development.**Case Studies:** The audience was treated to insightful case studies showcasing real-world examples of self-organizing systems deployed in diverse domains such as robotics, optimization, and pattern recognition.**Challenges and Future Directions:** The lecture concluded with a thought-provoking discussion on the challenges and future directions in the field of self-organizing systems and artificial intelligence, highlighting the need for interdisciplinary collaboration and innovative approaches.

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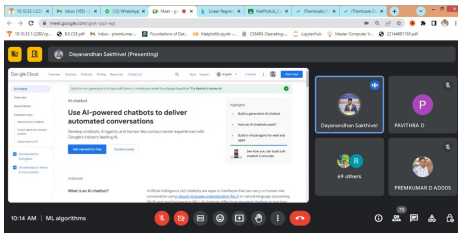

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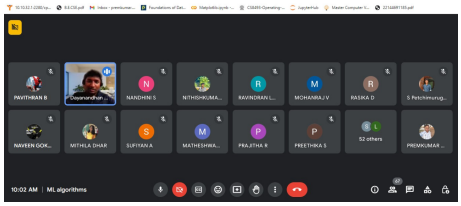

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