



**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	<a href="http://meet.google.com/gwk-rrpi-epj">http://meet.google.com/gwk-rrpi-epj</a>
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.

The poster features the KPR Institute of Engineering and Technology logo at the top left, with accreditation details for the Department of Computer Science and Engineering. The main title is 'Expert Talk on SELF-ORGANIZING SYSTEMS IN ARTIFICIAL INTELLIGENCE'. The speaker is Mr. D. Dayananthan, a Data Analyst at Accenture, with a circular portrait. The event is scheduled for 10:00 AM on 23.02.2024, with a Google Meet link provided. Organizers include Dr. R. Devi Priya (HOD/CSE) as the convener and Mr. D. Premkumar and Ms. J. K. Kiruthika as coordinators. The KPRiET logo and website are at the bottom.

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The screenshot shows a Google Meet interface with a presentation slide titled 'Use AI-powered chatbots to deliver automated conversations'. The slide content includes a sub-heading 'AI-powered chatbots to deliver automated conversations' and a paragraph about their benefits. The meeting controls and participant list are visible at the bottom.

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The screenshot shows a Google Meet interface with a grid of 12 participants. Each participant's name and profile picture are visible in a grid layout. The meeting controls are at the bottom.

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