Coimbatore Institute of Technology

(Autonomous Government Aided Institution Affiliated to Anna University, Chennai)

PARTICIPANTS: 500+ Participants from 20+ different colleges

Cosmos 2024: A Day of AI Innovation

Inauguration and Welcome

The Cosmos 2024 event, a ground-breaking initiative dedicated to exploring the frontiers of Artificial Intelligence (AI), commenced with a warm welcome address by the esteemed Head of the Department, Dr Valliappan Raman. In his inaugural speech, he eloquently articulated the transformative power of AI and its potential to revolutionize various industries. He emphasized the pivotal role of AI in driving innovation, enhancing efficiency, and addressing complex challenges.

The HOD provided a comprehensive overview of the event, highlighting its significance as an AI Day and its strategic collaboration with the Center of Computing (COC) and Center for Graduate Studies (CGC) cells. He underscored the event's objective to foster a platform for knowledge sharing, networking, and inspiring the next generation of AI enthusiasts.

Furthermore, the HOD acknowledged the invaluable contributions of esteemed sponsors and institutions who had partnered with the event. Their support played a crucial role in making Cosmos 2024 a resounding success.

Keynote Speeches and Mementos

Our esteemed Administrative Officer, **Col Jacob G Podipara (Retd.),** a distinguished figure with a wealth of experience and expertise, delivered an inspiring keynote speech that resonated with the audience. He expressed his heartfelt gratitude to the HOD for organizing

such a significant and well-coordinated event. Col Jacob took the opportunity to appreciate the dedicated efforts of everyone involved, from the organizing team to the participants, acknowledging the hard work that went into making the event a success. He also highlighted the importance of student engagement in such initiatives, commending their active involvement and enthusiasm in contributing to the event's overall success.

In recognition of their outstanding contributions to the field of AI, mementos were presented to Mr. Bastin Robins, Mr. Siddharth, Mr. Jacob, Mr. Thiagarajan, Mr. Navaneeth, and the sponsoring organization, Palies. These mementos served as tokens of appreciation for their invaluable contributions to the event and their dedication to advancing the cause of AI.

Student Presentations: Unveiling the Future of AI

The event featured a series of captivating presentations by talented students, showcasing their innovative ideas and projects in the field of AI. These presentations provided a glimpse into the future of AI and demonstrated the immense potential of the next generation of AI researchers and developers.

Bastin ignited the audience with his visionary perspective on hackathons as platforms to spark creativity and innovation. He emphasized the pivotal role of hackathons in fostering a collaborative environment where students can come together to develop innovative solutions to real-world problems. He also discussed the mentorship role of the COC in providing guidance and support to aspiring AI enthusiasts.

Siddharth underscored the collaborative nature of hackathons and the importance of creativity, programming, and a willingness to learn. He emphasized the power of diverse perspectives and the value of working together to achieve common goals. Siddharth also highlighted the significance of embracing AI as a tool for exploration and growth, rather than viewing it as a competitor.

Saravanan from Palies addressed the critical role of AI in addressing societal challenges and promoting social welfare. He highlighted the potential of AI to improve the lives of individuals and communities by developing innovative solutions to pressing problems such as poverty, healthcare, and education.

Navaneeth provided an insightful overview of the AI landscape, discussing a wide range of topics including Large Language Models (LLMs), ChatGPT, Midjourney, Stable Diffusion, Sora, voice cloning, AI applications in healthcare, Copilot, supercomputers, and the transition from manual to automated processes. He emphasized the importance of prompt engineering and leveraging AI to reframe thinking, identify disruptions, and master AI tools.

Karthikeyan focused on the ethical implications of AI, particularly in the context of cybercrimes. He highlighted the need for cyber awareness and discussed statistics related to data breaches. Karthikeyan also introduced the Cyber Ambassador program and emphasized the importance of data as an organizational asset. He explored the impact of AI on the future, including GenAI, digital twins, and edge computing. Karthikeyan provided a comprehensive overview of AI, Machine Learning (ML), and Deep Learning (DL), including their applications and limitations. He also discussed the evolution of Generative AI (GenAI) and the role of transformer architecture in its development.

Thiagarajan Varadharaju delivered a captivating presentation on the innovative applications of AI in the logistics industry. He provided an overview of his company's logistics operations and highlighted the transformative impact of automated vehicle tracking and the KT telematic IoT cloud. Thiagarajan emphasized the role of big data analytics in optimizing logistics processes and improving efficiency.

Valediction: A Note of Gratitude

As the event concluded, a student representative from the organizing committee delivered a heartfelt valediction. They expressed their sincere gratitude to all attendees, speakers, and participants for their contributions to the success of Cosmos 2024. The student emphasized the importance of AI in shaping the future and encouraged everyone to continue exploring and innovating in this exciting field.