

Event/Activity Report

Name of the Department	Sandip Institute of Pharmaceutical Sciences
Title of the event	Awareness on the use of Artificial Intelligence in Drug Discovery
Date of event organized	15/08/2019
Name of the coordinator of event	Dr Swati Talele
No. of Participants	65
Name of the expert/ Chief Guest of the event	Dr Sivaram Ponnusamy Professor, School of computer science and engineering
Objective of the event	<ul style="list-style-type: none"> • Introduction to AI Applications in Drug Discovery. • Understanding AI-Driven Drug Design Processes. • Enable students to grasp the practical Implications and Future Trends.
Outcome of the event	<ul style="list-style-type: none"> • Participants will gain an advanced understanding of how AI technologies are applied in drug discovery, including the methodologies involved in virtual screening, molecular docking, and predictive modeling. • The event will foster an appreciation for the role of AI in accelerating drug development processes, leading to increased efficiency and cost-effectiveness. Participants will recognize the transformative potential of AI-driven approaches in bringing novel therapeutics to market.

Event/Activity Report

Introduction: Sandip Institute of Pharmaceutical Sciences hosted a transformative program focused on "Awareness on the Use of Artificial Intelligence in Drug Discovery." Dr. Sivaram Ponnusamy, a distinguished Professor from the School of Computer Science and Engineering, delivered an enlightening guest lecture that provided valuable insights into the intersection of artificial intelligence and pharmaceutical sciences.

Key Highlights:

1. In-Depth Exploration of AI Applications:

- Dr. Sivaram Ponnusamy commenced the program with an in-depth exploration of the applications of Artificial Intelligence (AI) in drug discovery. The lecture covered various AI-driven methodologies, shedding light on how these technologies are reshaping the landscape of pharmaceutical research.

2. Specific Considerations in Drug Design:

- The guest speaker highlighted specific considerations in drug design when leveraging AI, offering practical insights on how to navigate the complexities of experimentation in pharmacy. This included discussions on optimizing AI algorithms for virtual screening and molecular modeling.

3. Informative Q&A Session:

- The program concluded with an interactive question-and-answer session where students engaged with Dr. Sivaram Ponnusamy, seeking clarification and further insights. This session provided a platform for a deeper exploration of the topic, allowing students to gain a broader understanding of the challenges and opportunities in AI-driven drug discovery.

Student Impact and Feedback:

1. Enhanced Awareness on AI Integration:

- Students expressed a heightened awareness of the integration of AI in drug discovery, understanding the nuanced considerations and specific design principles essential for successful experimentation in pharmacy.

2. Appreciation for Practical Insights:

- Dr. Sivaram Ponnusamy's practical insights into drug design considerations resonated well with the students. They appreciated the real-world applicability of the information, recognizing the importance of a thoughtful approach when utilizing AI in pharmaceutical research.

3. Broader Insight from Q&A Session:

- The Q&A session played a pivotal role in providing students with a broader insight into the challenges and potential advancements in AI-driven drug discovery. The interactive nature of the session facilitated a deeper understanding of the nuances discussed during the lecture.

Conclusion: The program on "Awareness on the Use of Artificial Intelligence in Drug Discovery" with Dr. Sivaram Ponnusamy proved to be highly informative and impactful. It equipped students with practical knowledge and considerations when incorporating AI into drug discovery processes. The event exemplified Sandip Institute of Pharmaceutical Sciences' commitment to bridging the gap between theoretical knowledge and real-world applications in the rapidly evolving field of pharmaceutical sciences.

Event/Activity Photographs:





Signature (Principal):

Signature coordinator