# Gist of ICBDS-2024

The International Conference on Bioinformatics, Data Science and related emerging technologies (ICBDS-2024) brought together researchers, academicians, students, scholars and professionals to discuss recent developments at the interface of bioinformatics, computational biology, data science, artificial intelligence, drug discovery and biomedical research. The conference provided an interdisciplinary platform for sharing innovative research findings, exchanging scientific knowledge and exploring emerging computational approaches for solving contemporary problems in life sciences.

The conference emphasized the growing importance of computational and data-driven methodologies in modern biological research. With the rapid expansion of genomic, molecular and biomedical datasets, bioinformatics and data science have become essential for extracting meaningful biological insights. Presentations and scholarly contributions highlighted how computational techniques can support research in areas such as genomics, molecular biology, drug discovery, systems biology, machine learning and network-based biological analysis.

A significant feature of the conference was the participation and recognition of young researchers and students for their research contributions. The First Prize was awarded to Sreekanya Roy, Jain Vaibhavi Ravindra, and Pruthvi A. Their work demonstrated the scientific enthusiasm and innovative spirit of emerging researchers participating in the conference.

The Second Prize was awarded to Akash Ajay Choudhari and Jit Mondal, recognizing their noteworthy contribution and research presentation. Their achievement further reflected the quality of student-led research and the increasing engagement of young scholars with interdisciplinary computational approaches in biological and data-driven sciences.

The Third Prize was awarded to Aniruddha Biswas, Dr. Rupali Taur, and Shreeya Pahune for their research work entitled “Network-Driven Drug Repurposing: Insights from Graph Neural Networks and Recommendation Models.” The work represents an important emerging direction in computational drug discovery. By combining network-based approaches with graph neural networks and recommendation models, such research seeks to identify potential new therapeutic applications for existing drugs. This approach can potentially accelerate drug-repurposing research by leveraging complex relationships among drugs, diseases, biological targets and molecular networks.

The conference also acknowledged individuals whose contributions supported the successful organization and academic environment of the event. Jeevan Pralhad Tonde, Rajat Pandey, and Omkar Baliram Agale received Appreciation recognition for their valuable support and contribution.

Overall, ICBDS-2024 served as a platform for knowledge dissemination, scientific interaction and recognition of emerging research talent. The conference demonstrated the increasing convergence of bioinformatics, data science, artificial intelligence and computational drug discovery, while encouraging students and researchers to develop innovative solutions to complex challenges in biological and biomedical sciences. The recognition of outstanding research contributions further strengthened the conference's objective of promoting interdisciplinary research, collaboration and innovation among the next generation of scientists and computational researchers.