



Guidelines for Competition		
1.	Name of Competition	Bio-Cipher Hackathon
2.	Host Institute	Amity Institute of Biotechnology (AIB) and Amity Institute of Molecular Medicine and Stem Cell Research (AIMMSCR)
3.	Brief Description of Competition	In this 30-hour marathon, budding biotechnologists and bioinformaticians will collaborate to tackle real-world challenges. This Hackathon is an occasion to engage young, talented minds in addressing predefined themes within the field. It serves as a platform for participants to concentrate their skills on solving specific challenges.
4.	Topics (if any)	<ul style="list-style-type: none"> • Disease Diagnosis and Prediction: Develop models for early detection and prediction of diseases using AI and ML algorithms. • Revolutionize healthcare with a decentralized data hub—blockchain, identity solutions, tokens, and data validation. • Drug Discovery: Utilize computational methods to accelerate drug discovery processes and identify potential candidates for novel therapeutics. • Personalized Medicine: Create solutions that leverage AI to tailor medical treatments to individual patients based on their genetic makeup and health history. • Healthcare Data Security: Develop robust systems using AI to enhance the security and privacy of healthcare data. • Biomedical Imaging: Enhance image analysis techniques using ML to improve diagnostics through technologies like medical imaging.
5.	Eligibility	Undergraduates, postgraduates, doctoral candidates
6.	Rules	<p>1. Team Composition:</p> <ul style="list-style-type: none"> - 3-4 members per team. Teammates from varied backgrounds appreciated. - Team should be formed before the hackathon - No change in team after registration. <p>2. Equipment:</p> <ul style="list-style-type: none"> - Bring your own laptops.

		<p>3. Academic Integrity: - Plagiarism strictly prohibited.</p> <p>4. Code of Conduct: - Respect and adhere to the University policies and procedures.</p> <p>5. Idea Innovation: - To develop innovative solutions addressing real-world problems.</p> <p>6. Execution: - Final idea execution required; provide Proof of Concept if needed.</p> <p>7. Presentation Guidelines: - Keep presentations concise (10 mins.) - Adhere to deadlines</p> <p>Additional Criteria (Bonus Points): - Evidence of effective team collaboration and resource utilization</p> <p>Evaluation Criteria:</p> <p>1. Innovation: - Novelty, creativity, and uniqueness of the solution based on proposed themes.</p> <p>2. Technical Excellence: - Sound technical implementation, effective technology use, and code complexity.</p> <p>3. Feasibility and Impact: - Practicality, viability, and consideration of resource constraints. Solution should address current requirements of the societal/environmental biotech field.</p> <p>4. Presentation: - Clarity of communication, quality of visual aids, and adherence to time limit.</p> <p>Result Declaration: 1st March,2024 .</p>
7.	Schedule (Date and Time) of the competition date	29 th February, 2024, 9 a.m. - 1 st March, 2024, 2 p.m.
8.	Venue	Block- J3, AIB, AUUP- Noida

9.	Event-in-Charge	<ul style="list-style-type: none">• Dr. Ruchi J. Mani (AIB) (rjakhmola@amity.edu)• Dr. Ritu Chauhan (AIB) (rchauhan@amity.edu)• Dr. Deepshikha P. Katare (AIB) (dpkatare@amity.edu)• Dr. Priyanka Jain (AIMMSCR) (pjain8@amity.edu)• Dr. Shruti Khanna Ahuja (AIB) (skahuja@amity.edu)• Dr. Tanu Allen (AIB) (tallen@amity.edu)
10.	Student Co-ordinators	Sumit Kumar (sumit.kumar16@s.amity.edu , 9560437801)
11.	Certificates	Certificates for all. First cash prize- 20,000/-, Second cash prize- 15,000/-
12.	Registration Fee	1000 INR Per Team
