



**Goa University**  
**Goa Business School**  
**Discipline of Computer Science and Technology**  
**Report on Hackathon @ 2023**

<b>Title of the Event</b>	Hackathon @ InfoFest 2023
<b>Theme</b>	"Sustainable Development Goals"
<b>Date</b>	August 10-11, 2023
<b>Venue</b>	Computer Science and Technology, Goa Business School, Goa University
<b>Coordinators</b>	Joseito Terence Fernandes & Savio Silvera Under guidance of Prof. Jarret Fernandes
<b>The objectives</b>	It aimed to foster innovative thinking and technological prowess among participants while focusing on the theme of "Sustainable Development Goals."
<b>Rules and Regulations:</b>	The hackathon adhered to a set of comprehensive rules to maintain fairness and integrity: <ol style="list-style-type: none"><li>1. Team Composition: Teams consisted of 2-3 members, allowing for cross-college collaborations.</li><li>2. Development Start: No development was permitted prior to the official start time of the event.</li><li>3. Tool Restrictions: The usage of non-coding and AI assistive tools was prohibited.</li><li>4. Code Creation: All code had to be</li></ol>

developed during the hackathon, using publicly developed and openly licensed APIs, SDKs, and tools.

5. Single Entry: Each team could submit only one entry for the hackathon.
6. Open-Source Principle: All intellectual property developed during the hackathon had to adhere to open-source principles.
7. Screening Round: An optional online screening round was held to determine the top 12 teams for the on-site hackathon.
8. Problem Statements: Problem statements were released at the venue, focusing on the theme of "Sustainable Development Goals."
9. Equipment and Facilities: Teams were required to bring their laptops/hardware, and facilities such as Wi-Fi, power points, and refreshments were provided.
10. Team Breaks: Teams were allowed breaks and refreshments during the event.
11. Venue Restriction: Teams were not permitted to leave the venue until the conclusion of the hackathon.


### Screening Round (06/08/2023)

<b>Total Registered Teams</b>	18
<b>Teams Withdrawn</b>	04
<b>Teams Participated in online Screening Round</b>	14
<b>Problem Statement</b>	Create software for tracking and managing stray animals in urban settlements, analyzing their behavior, facilitating adoptions, handling public reports, sending emergency alerts, and offering data insights

<b>Problem Statement Release</b>	2:00 PM
<b>Solution Building Duration</b>	6 hours (2:00 PM - 8:00 PM)
<b>Submission Deadline</b>	August 7, 12:00 PM
<b>Top 12 Teams Selection</b>	Based on the quality of solutions
<b>On-Site Hackathon</b>	
<b>No of qualified Teams</b>	12
<b>Members per Team</b>	2-3
<b>Total Number of Participants</b>	34
<b>Reporting Time</b>	10.00 am (10th Aug)
<b>No of problem statements</b>	6 (one problem statement to two teams)
<b>Problem statements</b>	<ol style="list-style-type: none"> <li>1. Develop a solution that can improve the efficiency, safety, and sustainability of India's transportation system.</li> <li>2. Develop a solution to address the challenge of fragmented data sharing between private healthcare providers and government bodies. This impedes informed decision-making and effective collaboration, underscoring the need for a unified data aggregation platform to enhance healthcare outcomes.</li> <li>3. Develop a solution which will help mitigate/reduce the inequality in access to quality education for economically disadvantaged segments of Indian society.</li> <li>4. Develop a solution for the inefficient waste management system in Goa, causing littering, pollution, and harming the environment and tourism. Address inadequate infrastructure, resources, and technology to enhance waste collection, transportation, and disposal.</li> <li>5. Develop a solution ensuring food security, addressing inefficient</li> </ol>



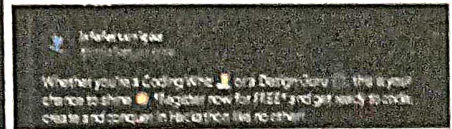
	<p>agriculture, weak supply chains, and limited market access for small, low-income farmers, which cause food scarcity, poverty, and environmental damage, hampering overall development.</p> <p>6. Develop a solution: create a user-friendly software app for Indians to locate suitable healthcare centers based on treatment, location, and preferences, enhancing access to needed medical care.</p>
<b>Problem statements allocation</b>	Based on lots system
<b>Hackathon Start Time</b>	11.00 am (10 Aug)
<b>Judges:</b>	<ol style="list-style-type: none"> <li>1. Prasad Rangnekar (Ex-UP Tata Defense Research)</li> <li>2. Gurpreet Singh (Co-founder of Browntape)</li> <li>3. Dr. Ramesh Kumar (Ex-NIO Scientist)</li> <li>4. Mayur Nagekar (Maintainer of Cloud Native Foundation)</li> </ol>
<b>Mentors (to provide guidance to teams throughout the event)</b>	<ol style="list-style-type: none"> <li>1. Alwyn Abranches (Freelance MLSecOps Architect) specializing in Machine Learning, Deep Learning, DevOps, Game Development, Product Design</li> <li>2. Shaunak Deshpande (Founder, Sansrujan) specializing in Web applications, mobile application, firebase, APIs, OOP, MVC, Linux</li> <li>3. Anit Chand (Founder, wellCAREx) specializing in Product ideation, feasibility, design review, strategy</li> <li>4. Venkatesh Prabhu (Proprietor, ThyWay Creations) specializing in Design Thinking, Product design, scalability, technology interventions, FOSS)</li> </ol>
<b>First Judging Round</b>	<ul style="list-style-type: none"> <li>● At 2:15 PM</li> <li>● Teams Presented their ideas and planned solutions to the panel of</li> </ul>

	Judges, receiving constructive feedback.
<b>End of Hackathon</b>	Next day at 11:00 am (11Aug)
<b>Final judging round</b>	<ul style="list-style-type: none"> <li>At 11:15am</li> <li>Each team presented their solution</li> </ul>
<b>Benefit/Key outcome of the event in terms of learning/skills/knowledge</b>	The 24-Hour Hackathon under Infofest 2023 provided a platform for innovative solutions centered around Sustainable Development Goals. Participants showcased their problem-solving abilities, receiving guidance from mentors and feedback from esteemed judges. The event successfully promoted collaboration and creativity among students, contributing to the spirit of technological advancement and social progress.
<b>Winners</b>	<ul style="list-style-type: none"> <li>Team Name: Geniee</li> <li>Members: Zubin Shah, Ann Mariya Roy and Rahul Jalan</li> <li>Solution: AI-powered healthcare discovery app connecting users with healthcare providers.</li> </ul>
<b>Runner-up</b>	<ul style="list-style-type: none"> <li>Team Name: Team Innovators</li> <li>Members: Rounak Naik and Mohammed Ali Khan</li> <li>Solution: Ride-sharing app to reduce transportation costs and traffic congestion.</li> </ul>
<b>URL of the event</b>	<a href="https://infofest.tech/events/Hackathon">https://infofest.tech/events/Hackathon</a>
<b>Social Media Posts</b>	
<b>Instagram post</b>	 <p><a href="https://www.instagram.com/p/Cuw1GWuvBow/?">https://www.instagram.com/p/Cuw1GWuvBow/?</a></p>



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Whether you're a Coding Whiz or a Design Guru, this is your chance to shine. Register now for FREE and get ready to code, create and conquer in Hackathon like no other!  
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<b>Photos (Drive link)</b>	<a href="https://drive.google.com/drive/folders/1VPd-nx8aGqMA_oa2-vY24wPtZueLPblt">https://drive.google.com/drive/folders/1VPd-nx8aGqMA_oa2-vY24wPtZueLPblt</a>

### Judging Criteria for Final Round:

Criteria	Description	Total Marks (out of 100)
Completeness of Solution & Actual Usability	<ul style="list-style-type: none"> <li>- Achievement of objectives: Does the solution effectively address the problem statement and fulfill the hackathon's goals?</li> <li>- Demonstrated results: Has the team achieved tangible outcomes or milestones in the development of their solution?</li> <li>- Potential for scalability: Can the solution be scaled for broader impact in the future?</li> </ul>	50
Solution Presentation	<ul style="list-style-type: none"> <li>- Clarity of presentation: Does the team clearly articulate their solution, its features, and its benefits?</li> <li>- Logical flow: Is the presentation well-structured, with a logical sequence of ideas and info?</li> <li>- Engaging delivery: Does the team captivate the audience and effectively communicate their solution's value?</li> </ul>	15
Visuals and Demonstrations	<ul style="list-style-type: none"> <li>- Are visuals (slides, prototypes, demos) used effectively to enhance understanding?</li> <li>- Does the team provide a compelling demonstration of the solution?</li> <li>- How well do these design elements create a user experience that's intuitive, enjoyable, and aligned with project goals?</li> <li>- Color, Typography, Layout and composition, UI Elements, etc.</li> </ul>	15
Persuasiveness	<ul style="list-style-type: none"> <li>- Has the team made any improvements or iterations on the initial idea?</li> <li>- Are there any novel features or approaches incorporated?</li> </ul>	10

Collaboration	<ul style="list-style-type: none"> <li>- Ability to answer questions: Does the team effectively respond to questions and demonstrate a deep understanding of their solution?</li> <li>- Communication skills: Do team members actively listen, provide clear explanations, and engage with the audience?</li> <li>- Confidence and professionalism: Does the team display confidence and professionalism during the Q&amp;A session?</li> </ul>	10
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**Participants:**

**TEAM NAME**

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**Participants:**

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