GNLU Centre for Environment, Sustainability and Climate Justice

CLIMATE CHANGE HACKATHON

help shape the future of climate change & digital health in India

Climate Change X Digital Health
#DigitalHealthWeek2024

Gujarat National Law University

Digital Health Week

ABOUT THE HACKATHON

Climate change in India presents a complex array of health challenges, from heatwaves increasing the incidence of heat-related illnesses to altered weather patterns expanding the reach of vector-borne diseases like malaria and dengue. The country's diverse climate zones and large population amplify these issues, making the need for adaptive and innovative health solutions urgent. Traditional healthcare systems are often overwhelmed by the scale and unpredictability of climate-induced health crises, highlighting the necessity for a transformative approach.

Digital health emerges as a beacon of hope in this scenario, offering tools that can revolutionize how health services are delivered and managed in the face of environmental adversities. It also facilitates the SDG Target 3.8 to achieve universal health coverage. Telemedicine, for instance, breaks geographical barriers, providing care to remote or disaster-stricken areas where traditional medical access is compromised. Moreover, the use of AI and data analytics can predict outbreaks of diseases by correlating climate data with health outcomes, enabling proactive health interventions. Mobile health applications serve not only to educate the public on preventive measures during extreme weather events but also to manage chronic conditions that are exacerbated by climate stressors.

However, the integration of digital health in combating climate-related health issues in India is not without its hurdles. The digital divide remains a significant barrier, with rural and economically disadvantaged populations having less access to digital tools. Addressing this requires not just technological innovation but also policy interventions to ensure equitable access. Additionally, there's an immense opportunity to blend modern digital health solutions with indigenous knowledge systems, creating culturally resonant and sustainable health practices. This hackathon seeks to explore these intersections, fostering solutions that leverage technology to enhance resilience against the health impacts of climate change, tailored to the unique socio-environmental fabric of India.

HACKATHON SUBMISSION GUIDELINES

Eligibility

The hackathon is open to all undergraduate, graduate, post-graduate, and PhD students from all disciples. The competition is NOT limited to law students.

Team Composition

Participants may join as individuals or form teams of up to 4 members.

Original Work

All submissions must reflect original work aimed at addressing the specified challenges. Plagiarism in any form will lead to immediate disqualification from the hackathon. The use of AI-generated content is strictly prohibited.

Submission:

Through the form floated by the Organisers.

Registration Fee:

INR 500/- per team to be paid at the time of submitting the proposal, on or before 15 December 2024.

SUBMISSION REQUIREMENTS

All proposals should include the following elements:

1 **Title:** A concise and engaging title for your project.

2 **Problem Statement:** Clearly articulate the specific challenge your solution addresses, emphasizing its relevance to climate change and digital health.

3 **Detailed Explanation**: Provide a comprehensive overview of your proposed solution, including the methodology and technology employed.

4 **Value Proposition:** Describe the unique benefits and advantages of your solution compared to existing alternatives.

5 **Expected Impact and Benefits:** Outline the potential positive impacts of your solution on health outcomes and climate resilience, including metrics for evaluation, for society, economy and environment.

6 **R**esource **Requirements:** Specify any resources needed for implementation, including technical, human, and financial resources (budgetary requirement).

Mandatory Components:

1. Cover Page (including the title and team code)
2. Table of Contents
3. Executive Summary
4. Summary of the Policy Proposal including Problem Statement
5. Policy Objectives
6. Literature Review and Background
7. Policy Proposal to include Detailed Explanation, Value Proposition, Expected Impact and Benefits and Resource Requirements
8. Implementation Plan
9. Feasibility and Cost Benefit Analysis
10. Stakeholder Consultation/Engagement
11. Ethical Consideration
12. Public Support and Communication
13. Way Forward
14. References

The Policy must be a well-researched and evidence-based policy solution. They should be supported with data, research findings and relevant references. It should also outline the scope, potential beneficiaries, and any potential challenges or risks associated with implementation.

Teams are encouraged to use any relevant pictorial representations or visual aids to enhance the clarity and impact of their proposal. All this material should be appropriately referenced.

FORMAT

Proposals must be in a **Word document format**. Ensure that your submission is well-organized, visually appealing, and clearly conveys your ideas.

Font: Garamond

Font Size: 14 (for headings)

Font Size: 12 (for body)

Line Spacing: 1.5 lines

Citation Style: OSCOLA 4th edition, APA or MLA (Please follow a uniform citation style)

Word Limit: 10,000 words maximum

Shortlisted proposals will later translate to a Presentation in ppt/pdf format.

PITCH PRESENTATION

For the final pitch, participants must create a comprehensive presentation that elaborates on their proposed solution. This presentation should effectively communicate your idea's strengths, feasibility, and expected outcomes.

INNOVATION / ORIGINALITY

The solution must display creativity of the participants and be unique. It should substantially differentiate itself from the already existing solutions.

EVALUATION CRITERIA

SCOPE & FEASIBILITY

The solution must be capable of being implemented in real world, in terms of technological, legal and social aspects. Its implementation should not be restricted and should have a broad scope.

IMPACT

The solutions must be tangible and their effect measurable in the sense that the participants must be able to show clearly what effects their solutions are anticipated to have, and how these effects will help in the path towards solving the problem identified.

WOW FACTOR

As the heading itself suggests, the solutions will also be judged on how many heads they turn, and how many people would go "Wow!" upon hearing the idea.

DESIGN COMPLETENESS

The solution will also be judged on the basis of how complete the idea is.

Note – Since the hackathon revolves around climate change, the participants are required to present sustainable solutions.
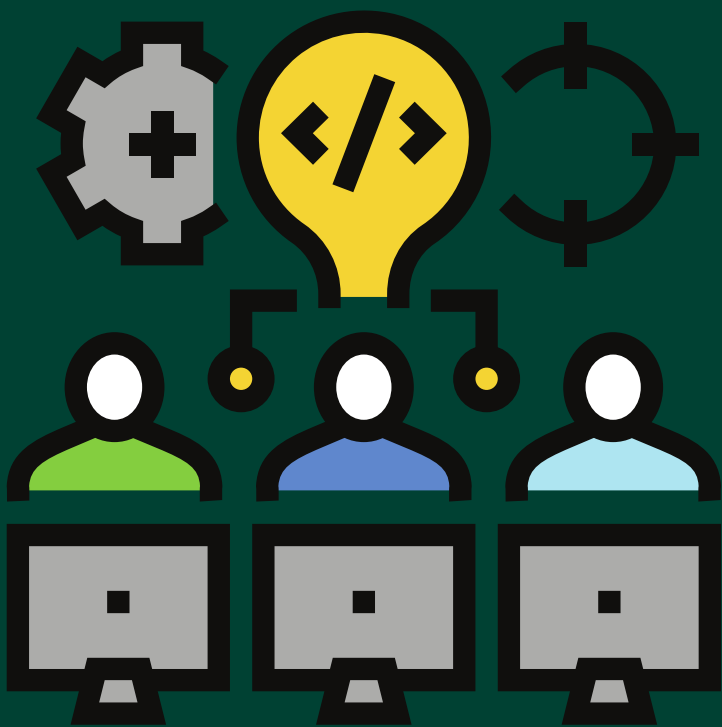
DISQUALIFICATION CRITERIA

- **Plagiarism/ unoriginal work** – This includes submitting already existing solutions with little to no modifications or the use of AI.

- Solutions that address **irrelevant themes and problems** which are unrelated to digital health and climate change.

- Failure to meet the **submission requirements** mentioned above.

- **Failure to meet the ethical standards** – This includes the usage of discriminatory, abusive, and offensive content

- **Unauthorized use of data** – The participants' use of data sources should be clearly authorized and safe.

- **Displaying false and fabricated data** for the purposes of pitching a solution.

PRIZE MONEY

Win Exciting Prizes for saving the Planet with your innovations

▌ 1st Prize:
Rs. 25,000

▌ 2nd Prize:
Rs. 15,000

▌ 3rd Prize:
Rs. 10,000

The winner will also get the chance to publish a report on their idea in collaboration with GCESCJ

IMPORTANT DATES

Interactive webinar to understand climate change and digital health (It is open to all):
18:00 IST, 10 November 2024
Meeting Link
Webinar Registration Form:
https://forms.gle/U6JApAfQp4Bznve78

Final Presentation;
11 - 12 January 2025

Communication of Acceptance:
20 December 2024

Registration and Submission of Proposal:
15 December 2024

https://www.gcescj.in/hackathon

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