

SOLUTIONS IDEATHON: [REGISTER](#)



ROUND 1: IDEA SUBMISSION

DEADLINE: 2nd OCTOBER 2023

Identify a specific problem or opportunity within the IIT Kanpur campus community that you'd like to address. This could be related to academics, campus facilities, student well-being, or any other aspect of campus life. Brainstorm, research, and develop a comprehensive idea that provides a solution to the identified problem. Your idea can be technology-driven or leverage other innovative approaches. Prepare a detailed submission that outlines your idea, its potential impact, and how you plan to implement it. Submissions should be concise but comprehensive. PDF files will only be accepted.

Begin by crafting a clear and concise problem statement that encapsulates the core issue you've identified on campus. Here's a breakdown of what it should include:

- **Problem Description:** Start by briefly describing the problem itself. What is happening on campus that requires attention and resolution? Use straightforward language that anyone can understand.
- **Scope:** Define the boundaries or scope of the problem. Be specific about where and when this problem occurs. Is it related to a specific location, time of day, or group of people?
- **Impact:** Explain the impact of the problem. Who is it affecting, and how are they impacted? Highlight the significance of the problem in terms of its consequences, whether they are social, academic, environmental, or otherwise.
- **Frequency:** Mention how often this problem occurs or how long it has been persistent. Is it a one-time issue, a recurring problem, or a long-standing concern?
- **Urgency:** Discuss why this problem needs immediate attention. What are the pressing reasons or circumstances that make it crucial to address now?
- **Relevance:** Explain why this problem is relevant to the campus community as a whole. Are there broader implications or connections to campus life, student well-being, or academic activities?
- **Stakeholders:** Identify the key stakeholders, or individuals/groups who are directly or indirectly involved in or affected by this problem. This could include students, faculty, staff, administration, or the local community.

- **Desire for Change:** Convey the collective desire or need for change regarding this problem. Is there a consensus among the campus community that this issue should be resolved?
- **Data** (if available): If you have access to data or statistics related to the problem, consider including relevant figures or trends to support your statement.

Keep your problem statement focused and succinct while providing enough context for the reader to understand the issue clearly. This is the foundation upon which your entire idea submission will be built, so make sure it effectively communicates the importance of the problem you're addressing.

Remember, including the above points are necessary in your presentation and will increase your chances of proceeding to the next round. You can include aspects beyond these pointers too, based on your creativity.

ROUND 2: SOLUTION PRESENTATION SUBMISSION

DEADLINE: 8th OCTOBER 2023

Create a PowerPoint presentation with a maximum of 10 slides, including a title slide and a concluding slide. Ensure that your slides are clear, concise, and well-organized. Use bullet points, visuals, and brief explanations to convey your ideas effectively. Your presentation should cover the following aspects:

- Clearly define the problem or challenge you are addressing within the campus community.
- Present your innovative solution and explain how it addresses the problem.
- Describe the potential impact of your solution on the campus community.
- Outline how you plan to bring your idea to life using technologies (preferably Google technologies, but you are free to use whatever you like).
- Highlight the benefits and advantages of your solution compared to existing approaches (if applicable).
- Incorporate visuals, diagrams, and graphics to enhance the visual appeal of your presentation.

Current Solutions:

In this section, provide a brief overview of any existing solutions or attempts that have been made to address the identified problem on campus. Discuss why these solutions may not be sufficient or effective. Here's how to approach it:

- **Existing Solutions:** Highlight any initiatives, programs, or methods that have been implemented to tackle the problem. These could include manual processes, traditional approaches, or non-tech solutions.

- **Effectiveness Assessment:** Evaluate the effectiveness of these existing solutions. Explain why they may fall short of fully addressing the problem. Are they too time-consuming, costly, or inefficient? Do they lack scalability or user-friendliness?
- **Gap Analysis:** Identify the gaps or shortcomings in the current solutions that your proposed tech-based solution aims to bridge. This will help illustrate why your idea is needed and how it can improve upon existing efforts.

Tech-Based Solution:

Here, you'll outline your initial concept for solving the identified problem using technology. Be concise and clear about the key features or components of your solution. Consider these points:

- **Solution Overview:** Describe the core idea behind your tech-based solution. What is the main purpose and functionality of your solution?
- **Key Features:** Highlight the essential features or aspects of your solution. What will make it unique and effective in addressing the problem?
- **Technology Stack:** Mention the specific technologies, tools, or platforms you plan to use in developing your solution. This provides insight into the technical aspects of your idea.
- **User Experience:** Briefly discuss how users (e.g., students, faculty, or staff) will interact with your solution. Is it user-friendly and intuitive?

Expected Impact:

In this section, articulate the potential impact of your tech-based solution. Explain how it will improve the current situation on campus and who will benefit from it:

- **Beneficiaries:** Identify the primary beneficiaries of your solution. Is it students, faculty, administrative staff, or the entire campus community?
- **Impact Metrics:** If possible, quantify the expected impact. Will your solution lead to cost savings, time efficiency, improved safety, or enhanced campus experiences?
- **Long-Term Benefits:** Discuss the long-term benefits of your solution. How will it contribute to the overall betterment of campus life and operations?

Feasibility:

Address the feasibility of your tech-based solution, considering potential challenges and how you plan to overcome them:

- **Technical Challenges:** If there are technical hurdles, acknowledge them and outline your strategy for overcoming these challenges. This might involve seeking expertise, research, or partnerships.
- **Financial Considerations:** Discuss the financial aspects, including potential costs associated with developing and maintaining your solution. Mention any budget constraints and how you intend to secure funding, if necessary.
- **Logistical Aspects:** Consider logistical challenges, such as implementation, scalability, and integration with existing systems. Explain your plan for tackling these issues.

Appendix:

If visual aids, diagrams, or additional information can help clarify your tech-based solution, include them in an appendix. Visuals can often provide a clearer understanding of your idea, so use them if relevant.

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ROUND 3: JURY PRESENTATION SHOWCASE

DEADLINE: 13th OCTOBER 2023

Showcase your innovative solutions in a high-stakes presentation round on October 13th, 2023 bringing your campus-transforming ideas to life before a panel of judges. Prepare a compelling 10-minute presentation, emphasizing your problem-solving prowess and the transformative potential of your solution within the IIT Kanpur community. The stakes are high, and the rewards are even higher, with exclusive certifications, goodies and the opportunity to work closely with GDSC to bring your vision to reality. Seize the moment and make your mark in the final showdown of the Google's Solutions Ideathon!