



QUEST IT PRESENTS



# SIH INSIDER

CREATE, CRACK & CONQUER

BY  
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SHRAVANI RASAM  
• TEAM CODING GURUS



# ABOUT US

DARSHAN KHAPEKAR

- Educator at V2V EdTech LLP and ET NX
- Placed at Nomura
- Team Leader @Coding Gurus
- 3+ years of Teaching Experience | 1 year of Industry Experience
- 5x Hackathon Winner
  - Technothon 2023
  - Rotacodefest 2024
  - Smart Indian Hackathon 2024
  - Code Crafters 2.0
  - KakushIN 9.0
- 2x Project Exhibition Winner



# ABOUT US

SHRAVANI RASAM



- Placed at Nomura
- Technical Head at Quest IT
- Full Stack Developer @Coding Gurus
- 4x Hackathon Winner
  - Rotacodefest 2024
  - Smart Indian Hackathon 2024
  - Code Crafters 2.0
  - KakushIN 9.0

# HACKATHONS

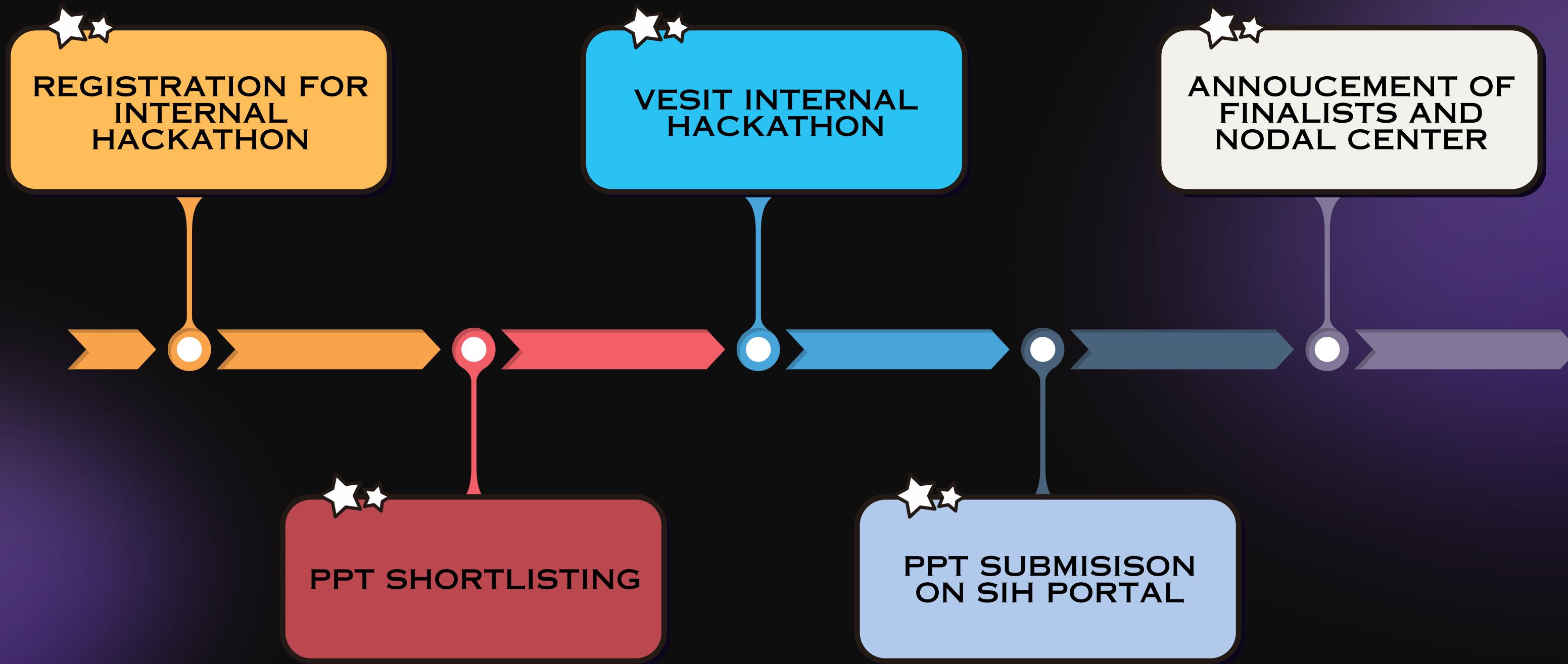
- A hackathon is an intensive innovation event where individuals or teams come together to solve specific problems within a short timeframe, usually ranging from 24 to 72 hours.
- It brings together participants from diverse backgrounds such as engineering, design, and management to collaborate on building creative solutions.
- Hackathons are typically focused on developing working prototypes, whether in software, hardware, or domain-specific applications, and encourage skills like coding, problem-solving, teamwork, and time management.

# WHAT IS SIH?

- A National-Level Hackathon launched by the Government of India.
- Platform for students to solve real-world challenges given by Private and Public Organisations.
- Bridges the gap between academic knowledge and practical application.
- Cash Prize of 1.5 Lakh per Problem Statement



# PROCESS FOR SIH



# FORMATION OF TEAM



- For SIH Team should consist of 6 Members.
- Include members with different expertise such as coding, design, business/management, and presentation.
- Assign roles early (developer, designer, researcher, presenter, leader) to avoid confusion.
- Choose members who can express ideas clearly and work collaboratively.
- Team members should be dedicated, available, and willing to work under pressure.
- Select members who can adapt, think critically, and remain calm during challenges.
- Ensure everyone is equally passionate about learning, innovating, and competing.



# CHOOSING THE RIGHT PROBLEM STATEMENT



- Align with your team's skills and expertise.
- Focus on challenges that are innovative yet practical.
- Ensure the problem is manageable within SIH timelines.
- Understand the ministry or organization's requirements behind the statement.
- Look for scalable solutions with long-term impact.
- Choose a problem that allows for unique and fresh ideas.
- Verify the availability of resources, tools, and data needed to implement the solution.



# PREPARING A KILLER PPT

- Minimal Text: Use concise bullet points.
- Visuals & Infographics: Diagrams, icons, and charts to explain concepts.
- Consistency: Maintain same fonts, colors, and layouts throughout.
- Highlight Key Points: Bold important keywords.
- Storytelling: Introduce problem → show solution → demonstrate impact.
- Call-to-Action Slide: Encourage judges to support, adopt, or test your solution.



# PROTOTYPE & DEMO TIPS

- Start with a Minimum Viable Product (MVP) – focus on core functionality first.
- Keep it simple, stable, and user-friendly rather than flashy but incomplete.
- Ensure problem-solution fit – prototype should directly address the problem statement.
- Highlight unique features that make your solution stand out.
- Document your process so you can explain “how it works” clearly.



# TEAMWORK & STRATEGY

- Maintain clear communication – regular updates among members.
- Respect each other's skills, ideas, and working style.
- Divide tasks based on strengths and expertise.
- Encourage collaboration over competition within the team.
- Stay positive and support teammates during stressful hackathon hours.
- Practice quick decision-making without conflicts.



# COMMON MISTAKES TO AVOID

- Choosing a problem statement without fully understanding the requirements.
- Trying to build too many features instead of focusing on a working core solution.
- Poor time management – spending too much time on research or UI and not on functionality.
- Ignoring teamwork – lack of communication or conflicts within the team.
- Neglecting the presentation and demo while only focusing on coding.

# COMMON MISTAKES TO AVOID

- Using unreliable data or unrealistic assumptions in the solution.
- Not preparing a backup plan (screenshots/video) for the demo.
- Overlooking the impact and scalability of the solution while explaining.
- Failing to practice the pitch before presenting to judges.
- Choosing a mentor just for namesake instead of actively involving them in the project.

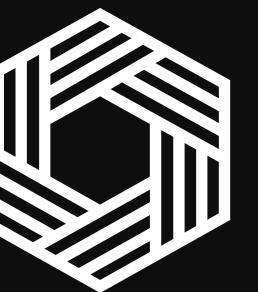
# CLEARING INTERNAL HACKATHON



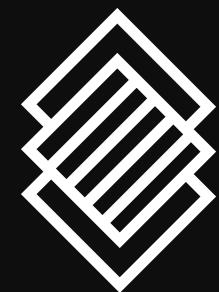
**Understand the Problem Statement Clearly**  
Pick one that matches your team's strengths and is doable in short time.



**Frame a Strong Problem Definition**  
Clearly state what the problem is and why it matters.



**Brainstorm a Unique Solution**  
Keep it innovative yet practical; highlight how your idea is different.

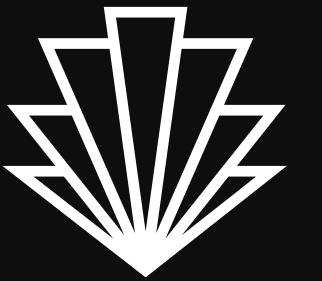


**Structure a Killer PPT**  
Slides flow should be:  
Problem → Existing Gaps  
→ Proposed Solution →  
Prototype Idea → Impact  
→ Future Scope.

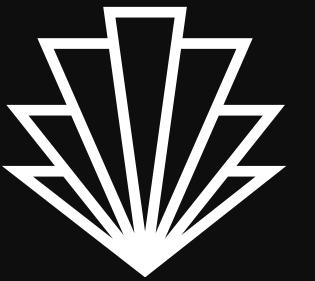
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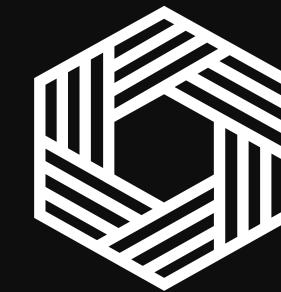
**Use Mockups/Visuals**  
Add diagrams, UI sketches, or system flowcharts instead of heavy coding.



**Highlight Feasibility & Impact**  
Show that your solution is realistic, scalable, and impactful for society/organization.



**Speak with confidence and prepare well for your presentation**  
even a simple idea sounds powerful when delivered clearly



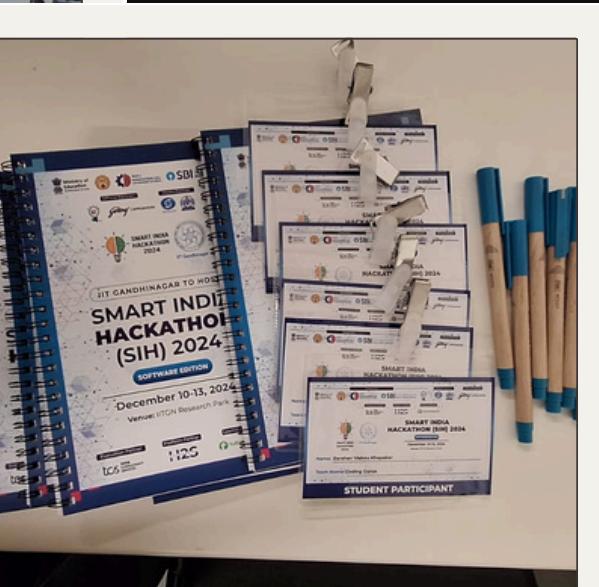
**Prepare for Q&A**  
Anticipate judges' questions (feasibility, scalability, uniqueness, execution) and keep crisp answers ready.

# OUR JOURNEY

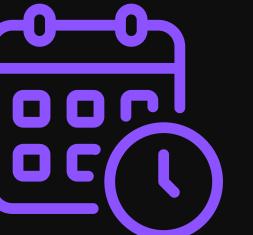


## SIH JOURNEY – DAY 1 (PRE-HACKATHON)

- Checked into hotels
- Completed registration & verification at main centre
- Collected IDs, diaries & kits
- Took rest after travel
- Started working on pending project parts
- Final mentor & team meeting for strategy
- Packed all necessary things (chargers, diaries, important documents) beforehand
- Slept early to prepare for the 36-hour hackathon



# OUR JOURNEY



## SIH JOURNEY - DAY 2 (HACKATHON BEGINS)

- Check power supply, Wi-Fi & extension boards
- Set up team banner & workspace
- Finish pending touches of the project
- Prepare for Mentor Round 1
- Mentoring Session 1 (4 PM)
- Listen carefully to suggestions & feedback
- Remember: these mentors may also be part of the judging panel → first impression matters
- Start implementing suggested features immediately
- Take short breaks: midnight snacks, refreshing walk
- Sleep discipline: rest in turns so work continues smoothly
- Ensure mentor suggestions are implemented → helps secure brownie points



# OUR JOURNEY

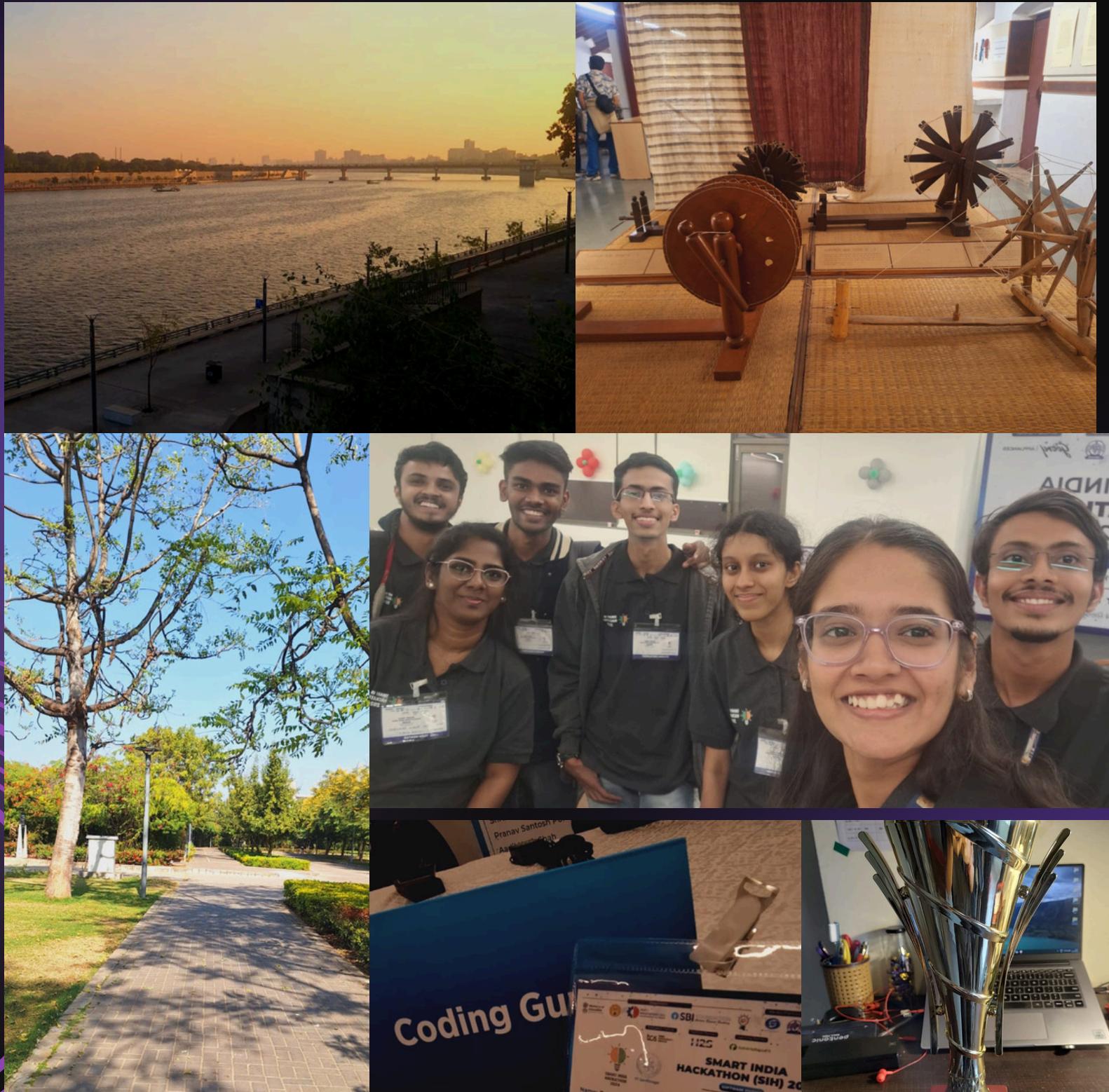


## SIH JOURNEY - DAY 3 (HACKATHON DAY 2)

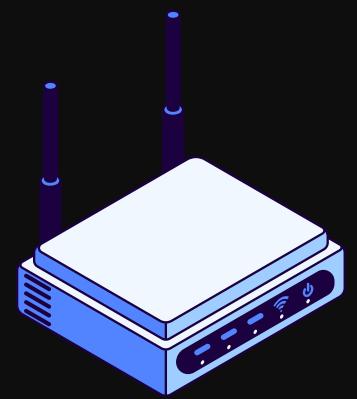
- Mentoring Session 2 (5 AM)
- Explain newly implemented features clearly
- Highlight how mentor feedback was applied
- Use the opportunity to interact with professors & network with peers
- Final Pitching
- Present confidently & clearly
- Keep the pitch structured and crisp
- Be well-prepared for Q&A
- Result Declaration (7 PM)



# PERKS OF BEING SIH-WINNER

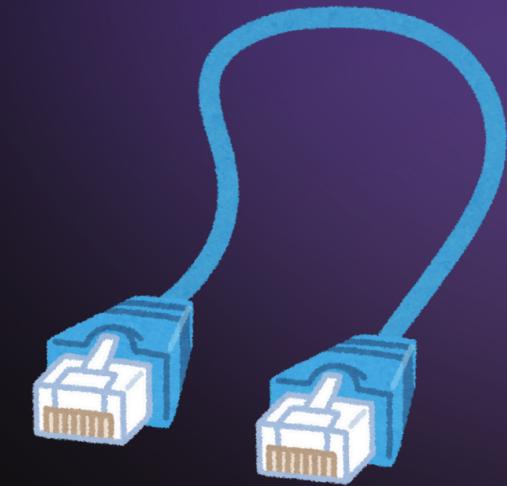
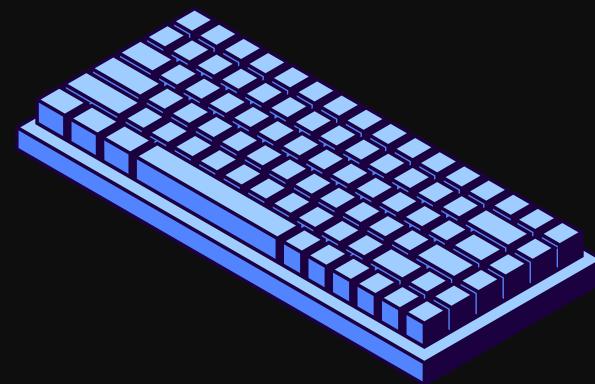
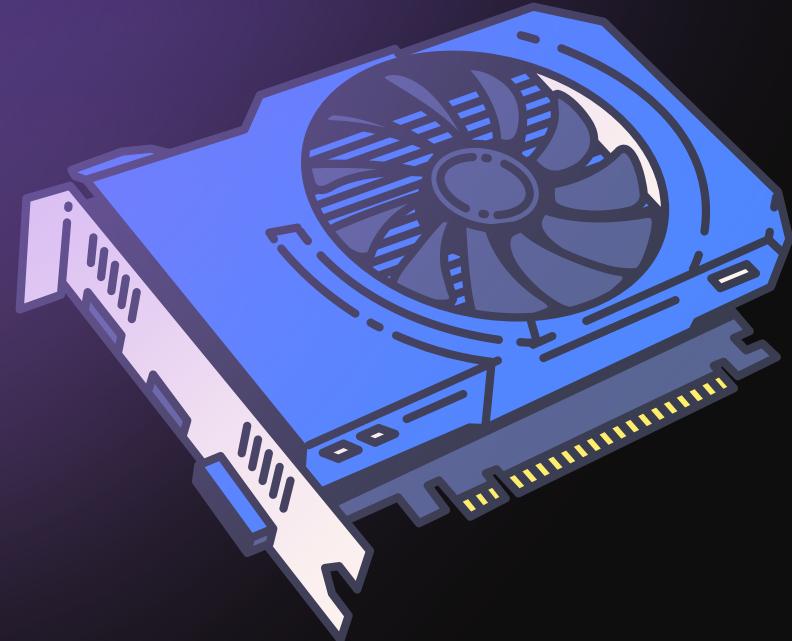


- Strong highlight on your resume
- Easier to clear PPT rounds of other hackathons
- Network with professors, industry experts & peers
- Exposure to new learnings & technologies
- A wholesome, once-in-a-lifetime experience
- Aura++ in college (recognition & respect)
- Prize money 💰
- Travel & fun with friends ✈️
- Delicious food throughout 🍴
- Explore a new city/state
- Entire trip sponsored → stay, travel, snacks, t-shirts
- Proud moment for parents & mentors ❤️



# QNA SESSION

Drop Your Question and We'll Discuss It!



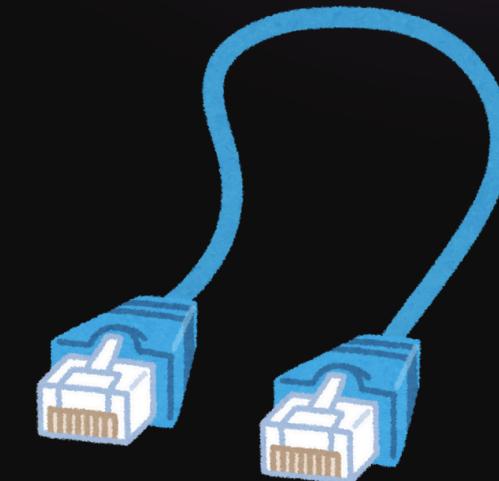
# CONNECT WITH US !

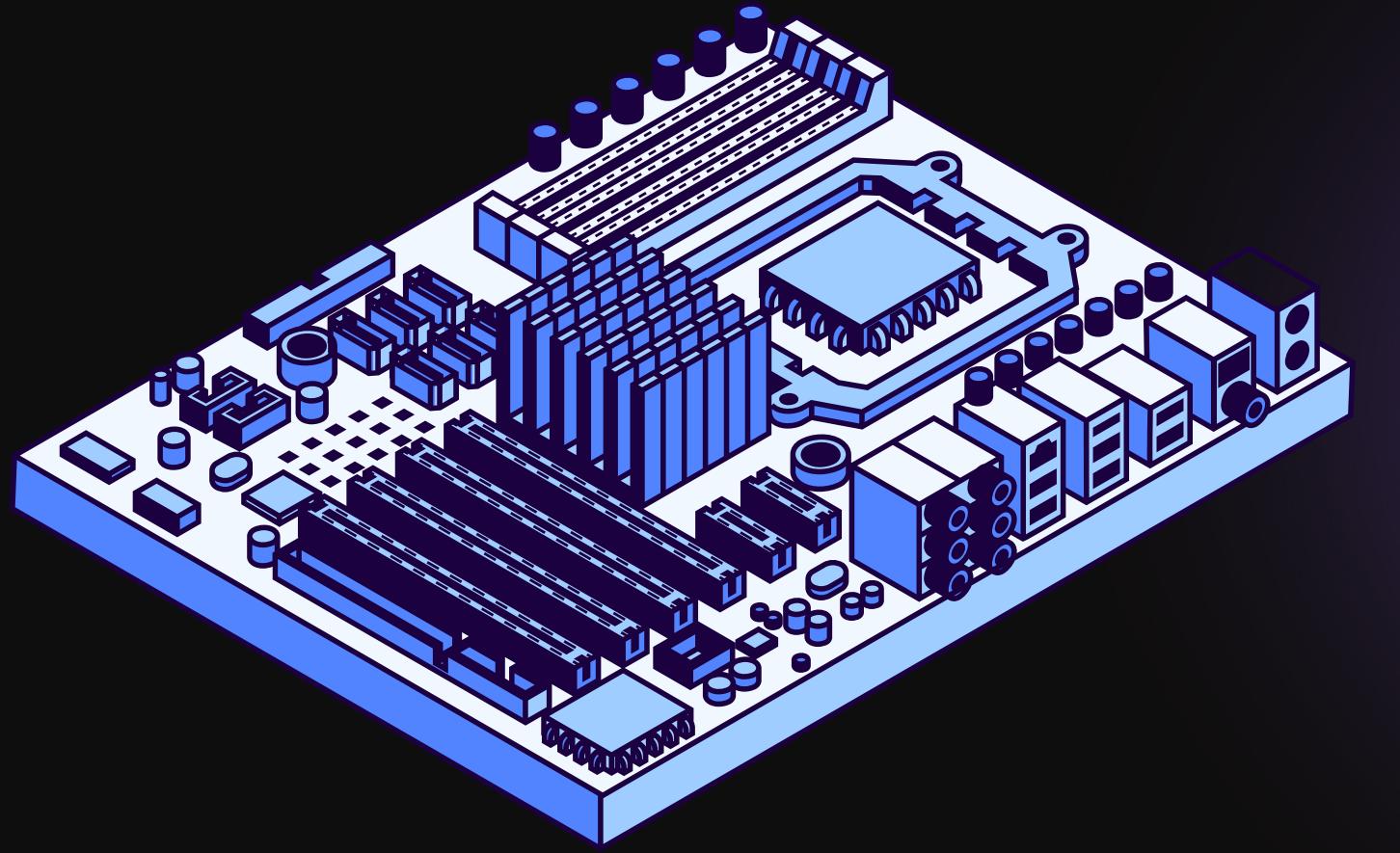


Darshan Khapekar



Shravani Rasam





THANK YOU  
FOR YOUR ATTENTION!