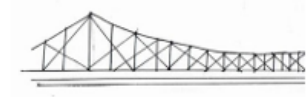## Association for Computing Machinery

## *Kolkata Professional Chapter*

# Hack A Day 2022

## ACM India East Hackathon

**Hackathon Theme: Teacher-Student-Industry Co-work for Better Tomorrow**

https://kolkata.acm.org/w/index.html

# Call for Participation

"Hack A Day, 2022" – A technical hackathon is being organized by ACM Kolkata Chapter. After a successful implementation of "Hack A Day, 2020", ACM Kolkata is back with another exciting technical event "Hack-A-Day, 2022", a 24 Hrs Physical Hackathon with an objective of bringing three most important stakeholders of technical education, Student, Teacher, and Industry, much closer in a single platform by driving them to solve real life problems.

"Hack-A-Day, 2022" emphasizes the active participation of the teachers into the hackathon event so that more students in turn get encouraged about learning by doing.

# Rules for Team Formation

A team will comprise of 4 members with at least one faculty member. The team can have one expert from industry. There is no restriction on number of students as long as the total team size remains 4. All the teachers and students (if any) must be from same Institute.

**Some valid team combinations**

- *1 teacher +1 industry expert + 2 students*
- *1 teacher + 3 students*
- *2 teacher + 2 students*
- *2 teachers + 1 student + 1 industry expert*
- *3 teachers + 1 industry expert*
- *4 teachers*

# Important Dates

Registration: **24th December 2021 – 7th January 2022**

Deadline for Online Submission of Initial Round Deliverables: **15th January 2022**

Initial round results and Announcement of Cash and Other Prizes: **20th January 2022**

Final Round Physical Hackathon: **26th February 2022 (9:00 AM) to 27th February 2022 (4:00 PM)**

# Modalities

- A valid team will register and will receive a confirmation mail from Hack-A-Day 2022
- During registration, the team must choose a specific problem track out of the given list
- After submission, the team must submit initial video presentation **(Under 10 minutes)** about their problem solution through online mode as per the given template. The initial presentation should demonstrate a prototype of the proposed solution
- Based on the video presentations, the top 7 teams would be invited for the physical final round of the hackathon. The invitation will comprise judge's comments about initial observations and scope of betterment for the proposed solution
- Invited teams will keep on working with their ideas and will incorporate the suggestions. The final round team should complete at least 70% of their idea implementation before the hacking day
- On the hacking day, reviewers and judges will evaluate individual team's work multiple times and the teams must keep on developing their project in accordance with judges' comments
- Finally, the results will be announced on the hack day only
- The detailed itinerary of the hacking day would be published intime.

# Problem Tracks

*1. Smart Healthcare  -* Any solutions which applies AI, Machine Learning and/or Deep Learning for betterment of Physical and Mental Health Aspects of Citizens in personal level or organizational level.

*2. Innovative Learning -* Any ICT enabled digitally inspired solutions which might make learning of any level more effective, fun filled and knowledge oriented.

*3.Smart City Administrations –* Any ICT enabled solutions which might help City Administrators to administer City localities with simple, intelligent, and diligent way. For example, a "Geo-fencing based Poor Road Condition Reporting System" might help city authorities to know from the citizens about the exact positioning of the poor road conditions.

*4. Smart Digital Assistance -* Any solution that makes daily activities much simpler, composed, and effective. For example, an "Automatic Meeting Transcriptor" which will prepare the context based textual transcript of a physical meeting of a group.

***5. Fighting Against Covid 19 -*** Any digital solution which helps government authorities to fight against Covid 19 pandemic, starting from offering more insights of Covid 19 data up to smarter vaccination scheduling or post vaccination monitoring etc.

# Prizes

Top three teams will be awarded with Cash Prizes and Winner Certificates

Top seven teams will be awarded with ACM Membership (as per corresponding category) for one year and Special Mention Certificates

All the participants will be awarded with Participation Certificates

**\*Details of Prizes will be announced on 20th January 2022**

# Team Registration Fee

**INR 1270 + GST per team**

# Payment Link

Click Here

**\*Please preserve payment receipt as it will be required for team registration**

# Registration Link

Click Here

# Download Idea Pitch Presentation Template

Click here

# Presentation Guidelines

- Maximum duration of Presentation is 10 minutes
- Any one in the team can present the idea
- If needed, extra slides can be inserted in the template
- Presenter must be seen during the presentation at least at the start of the presentation
- Presentation must be in video format
- Presentation submission link will be provided through email in due course of time

For any query please whatsApp at 9832777321 Or 9051433027