MOONSHOT Jr
Transforming Curious Minds

In association with i4C ™

HACKATHON 2021

Innovation competition aimed at tapping creativity of younger students!

How students will benefit?

Special online trainings by experts

Creative Expression

Abstract Thinking and Confidence

Guidance from school for innovation projects

ABOUT MOONSHOT JR HACKATHON

For students from Class 5th to 10th
Unlimited teams from each school

Team Registration Opening Soon!

Network Partners | bootstart COWORKING | INDIA STEM ALLIANCE | thinker place — Think | Create | Implement | KGiSL EDU — Co-create your Genius — KGiSL Educational Institutions

MOONSHOT Jr
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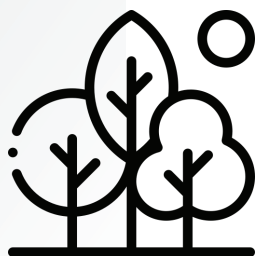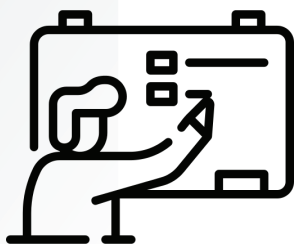Innovation competition aimed at tapping creativity of younger students!

Problem Statements

For 5th & 6th Std

Nature Around You

1 Trees, animals, birds, water bodies etc are all being impacted by the presence of humans. We need innovative solutions to co-exist. The challenge is how to use technology and devices to gain more knowledge and preserve nature and natural habitats around us. Prepare tools and/or design of the city to enable everyone to coexist without stepping into the other's boundaries. Use of software and hardware tools as sensors in the design will be evaluated and rewarded.

Help Your Teacher

2 Teachers are the heart for society. The challenge is how you can use technology to support your teacher, alma-mater or college staff to help them to help you. Discuss with teachers to identify problems that they face while teaching in class and online. Devise solutions to help teachers in various activities like marking attendance, tracking assignments, evaluating marksheets, monitoring the class. Innovative solutions to new problems will be rewarded.

Team Registration Opening Soon!

Problem Statements

For 7th to 10th Std

3

Enriching life with the Knowledge and Education

There is so much information and mis-information dispersed all around us. How do we use technolo y to take the right and appropriate information and provide knowledge and education to everyone.
Design a solution to validate the truthfulness of knowledge by using technologies. Some ways to validate this is by tracing the source of knowledge, (example information hosted on genuine websites can be considered valid), by getting unbiased opinion (example wikipedia takes opinion from large number of people from different cultural and geographical background to ensure the validity). Students are expected to come up with ways to validate knowledge in the form of hosted material on the internet.
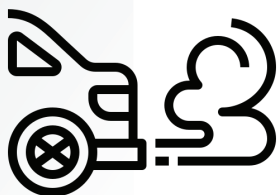
4

Smart Home, Better Home

Identify smart solutions to enhance your home and support your parents, grand-parents, maids at home. For instance, speak to your mom and learn the activities that she performs daily at home. Then identify ways to reduce her workload and help her to perform activities more effectively. Design a technological solution to solve problem to improve lifestyle at your home. Most innovative solution that has an impact on many households will be awarded.

5

Air pollution – The Silent killer.

Many areas in Indian States, and the world, are faced with serious air quality problems. It is the most important environmental health risk of our times. Air in our cities is ecoming hazardous to breathe. There is an ongoing need for solutions for this problem. Devise a solution to measure indoor air quality and outdoor air quality and provide different kinds of alarm to users in case quality is not up to the mark. Providing ways to reduce or control pollution will be an added advantage.

6

Don't flush our planet's most valuable resource.

The water scarcity problem is one of the most serious risks facing the world at every level. Although water covers 71% of the Earth's surface, only 4% is freshwater and only 0.5% of this water is suitable for human consumption. Hence there is a need to manage the natural resource in a sustainable way.
Looking for an effective solution:
1) to monitor water leakage to avoid water wastage in cities or
2) help people to reduce unnecessary consumption of water.
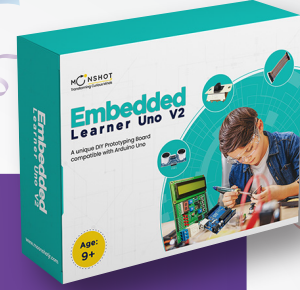
Team Registration Opening Soon!

PRIZES

Top 5 Qualifying Teams

Embedded Learner Kit V2, and 25% Scholarship on Moonshot JR Innovator Program.

Winning Team

Robotic Car Kit, Moonpreneur Board Game, 50% Scholarship on Moonshot JR Innovator Program + 11000/- INR Amazon Gift Voucher for the team.

Moonshot JR Innovator Program

Free trial class for top 500 Participants.

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FAQs: Moonshot Jr Hackathon

Q. Which schools are eligible to participate in Moonshot Jr. Hackathon?
A. All schools are eligible to participate. There is no restriction on the medium of education – English or vernacular.

Q. Which students can participate in the hackathon?
A. Students studying in **5th, 6th, 7th, 8th and 9th, 10th** class are eligible to participate.

Q. What are the benefits to the students participating in the hackathon?
A. Moonshot Jr. Hackathon is a **special innovation competition that aims at tapping creativity of younger students** offering:
• Encouragement to students to think innovatively and out-of-the-box
• Special online trainings by experts
• Boost confidence and team spirit
• Plentiful guidance from school for innovation projects
• Exciting prizes under various categories

Q. What role does the school play in the hackathon?
A. The participating school needs to appoint a **Single Point of Contact (SPOC)** to represent it and student teams. The SPOC can either be a school principal, a science teacher or any other active faculty member who can mentor and guide teams regarding ideas, look after team registration formalities. He/she will also be a point of contact for sharing hackathon related updates from our end.
The two other roles that the SPOC needs to play is encouraging team registration and participation, sharing hackathon details with parents and mentor student teams whenever required. The schools can make use of tinkering labs, robotics labs or similar facilities for this purpose.

Q. How would the school SPOC receive Hackathon updates?
A. SPOCs of all participating schools would be added on a **single WhatsApp group for ease of communication updates and resolving doubts**. SPOC will also be responsible to **publish regular updates on their social media handles.**

Q. How should teams be formed? What would be schools' role in team registration?
A. The SPOC appointed by the school must register himself/herself on the registration link ****(the link will be shared soon!)**** and later register his/her school's teams and their ideas. 3 or 4 students from the same school can register in a team and they will have to sign up with a unique team name. **There is no limit on the number of teams from the school.**

Q. How should the teams come up with ideas? How are the ideas to be submitted?
A. We would share six problem statements (PS) on the hackathon portal. Teams are free to select any PS that appeals to them. Teams, under the guidance of their school's SPOC can come up with an idea that can help solve the problem. **The idea can be explained on a 3-minute-long video/PPT where the student team will**

get to describe the problem they have chosen, the idea that they propose and may show a prototype/diagram explaining their idea. The video can be uploaded on YouTube as an 'UNLISTED' video. The SPOC is expected to then register a team and its idea's YouTube link on the Moonshot Jr. Hackathon Registration form.

Q. How do ideas get shortlisted?
A. The submitted idea **videos/PPT are viewed and evaluated by our expert panel** and the final shortlisted teams to participate in the hackathon finale would be announced.

Q. When is Moonshot Jr. Hackathon **Finale scheduled?**
A. The schedule is yet to be finalized. The tentative date would be **28th or 29th August 2021.**

Q. What happens at the grand finale?
A. The Finale would be an **8-hour program where teams would be able to work together and create a usable product as per the idea submitted by them.** Experts would be viewing their products, asking them questions and giving scores to the ideas. **The winning teams would be announced at the end of 8 hours.**

Q. What will be the venue for the Moonshot Jr. Hackathon Finale?
A. Considering the pandemic restrictions and rules the finale will be held online.

Q. What are the prizes to be won?
A. There are many exciting prizes with different categories, like **Best Team** and **Best Innovative Idea** etc.

Q. What if a team does not win?
A. Winning and losing is part of the game. The overall experience derived from participating in the initiative would benefit the students in a huge manner. Besides this, all students whether their teams win or lose will be given **Participation Certificates for Smart School Hackathon.**