MOONSHOT Jr

Transforming Curious Minds

HACKATHON 2021

In association with i4c

Innovation competition aimed at tapping creativity of younger students!

Network Partners

bootstart COWORKING

INDIA STEM ALLIANCE

thinker place

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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!

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Problem Statements

For 5th & 6th Std

1

Nature Around You

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.

2

Help Your Teacher

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.

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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 fresh-water 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.

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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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