



SET.Hacks() 2020

CASE PACKAGE

Welcome to SET.Hacks() 2020, a hackathon platform organized and hosted by the SET Foundation. Over the next two days, not only will you work in a team of up to 4 to complete a design challenge, you will also have multiple opportunities to network, attend workshops, and have fun!

This package gives a rundown of the design challenge, including the challenge statement, submission, judging criteria, and available prizes.

CHALLENGE STATEMENT

In 2016, the United Nations created the Sustainable Development Goals (SDGs) as a blueprint to create a sustainable future by 2030. The SDGs comprise 17 different goals that relate to the areas of basic human needs, industry, community, and the environment. More information on the goals can be found here: <https://bit.ly/2M0oszP>.



Accomplishing the goals within the scope of a decade requires various political, economic, and social will. In addition, it also requires the insights and contributions of multiple individuals and companies in STEM.

During the hackathon, we challenge you – as intelligent innovators and future leaders in STEM – to create a product that will help nations accomplish one or more of the SDGs (note that the quantity of goals that you address will not impact your overall score).



SUBMISSIONS

At the end of the challenge, submit your project on:

- Sunday, July 19th at 10:00 EDT (on the SET.Hacks() [Devpost](#) page)
 - Submit all applicable material (website, GitHub repository, etc.).
 - Submit a max 2 minute video to demonstrate and pitch your project.

JUDGING CRITERIA

The product you submit will be judged based on the following categories:

- Was the solution effective in its' nature - to what extent will it help nations accomplish the product's targeted SDG(s)?
- What level of originality does the solution possess?
- Was the solution's design feasible – to what extent can nations properly implement the product?
- What was the technical complexity of solution?
- How effectively were design thinking and creative processes implemented? Did the group members present their project with clarity and confidence?

PRIZES

In addition to an overall first, second, and third place prize, we have prizes for the best product that addresses each of the following categories: basic human needs, industry, community, and the environment. The categories and the SDGs that comprise them are displayed below.

BASIC HUMAN NEEDS

Goal 1: No Poverty
Goal 2: Zero Hunger
Goal 3: Good Health and Well-Being
Goal 4: Quality Education
Goal 6: Clean Water and Sanitation
Goal 7: Affordable and Clean Energy

INDUSTRY

Goal 8: Decent Work and Economic Growth
Goal 9: Industry, Innovation, and Infrastructure
Goal 11: Sustainable Cities and Communities
Goal 12: Responsible Consumption and Production

COMMUNITY

Goal 5: Gender Equality
Goal 10: Reduced Inequalities
Goal 16: Peace, Justice, and Strong Institutions
Goal 17: Partnerships for the Goals

THE ENVIRONMENT

Goal 13: Climate Action
Goal 14: Life Below Water
Goal 15: Life on Land

All prizes and their associated monetary value are displayed on the [SET Hacks Devpost page](#)

SCHEDULE

SATURDAY, JULY 18TH

- 9:30** Sign-in begins
- 10:00** Opening ceremony
- 10:30** Design challenge begins
- 11:00 to 17:00** Virtual workshops

SUNDAY, JULY 19TH

- 10:00** Project submission
- 14:00** Closing ceremony

*All times are in Eastern Time (UTC-4:00)

WORKSHOP SCHEDULE

Workshop	Time
Introduction to Firebase by Google	Video available on July 17th at 18:00
Google Cloud Tools by Google	Video available on July 17th at 18:00
Introduction to Programming	July 18th at 11:00 to 12:00
Introduction to Git	July 18th at 12:00 to 13:00
Build your own Discord Bot	July 18th at 13:00 to 14:00
Deploy your First Website by Edgeprim	July 18th at 14:00 to 15:00
EchoAR by EchoAR	July 18th at 15:00 to 16:00
Data Science	July 18th at 16:00 to 17:00

*All times are in Eastern Time (UTC-4:00)

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