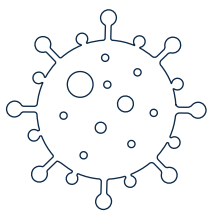
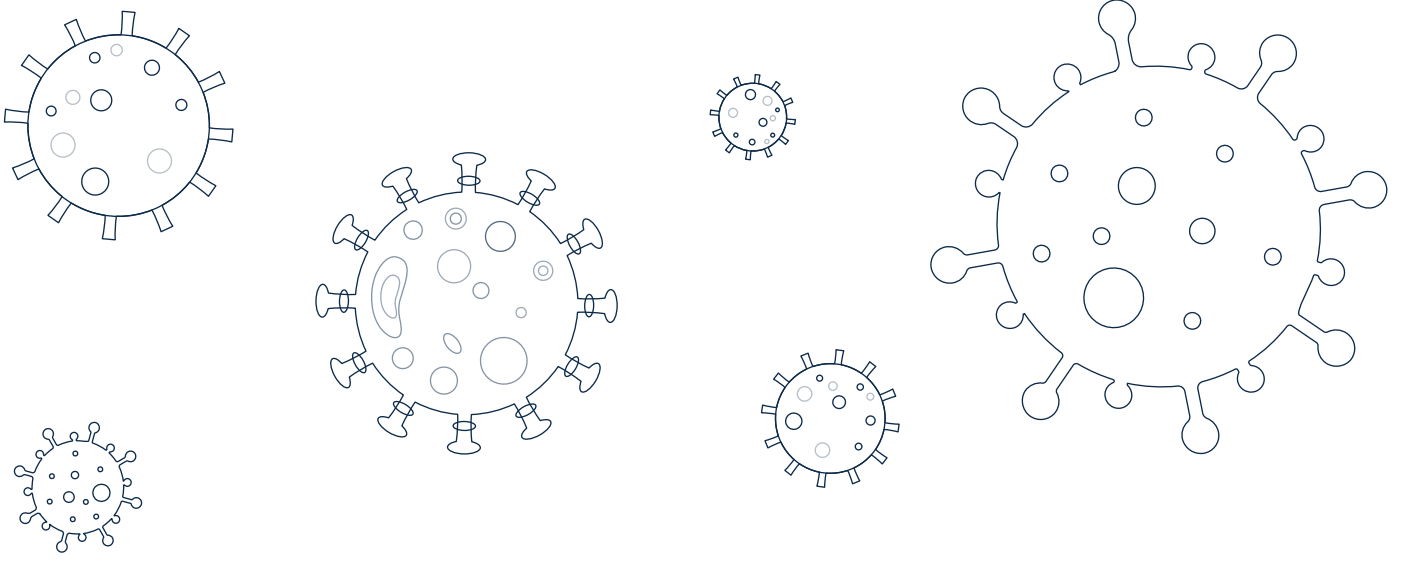
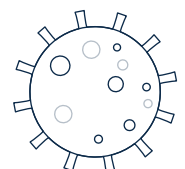


HASOUB CORONA HACK



Hasoub CoronaHack 2020
April 15-21, 2020



CORONAHACK

Acknowledgment

The Hackathon would not have been possible without the collective effort made from each team. All activities including management of the Hackathon, mentoring, judging, partnering, lectures, talks, and workshops were done voluntarily. All of this was with one goal in mind to hack the crisis and bring our world to track!

For this, we would like to sincerely thank all the Hackathon, volunteer, and management team members who happily and with great effort organized the Hackathon to help lay the platform to bring knowledge and innovative solutions to our community. Thanks to all the mentors who were with the groups sharing their knowledge and insights.

Thanks to all the judges who put great efforts into making a transparent criteria selection and put their time into reviewing all projects and finding the best top five projects. Finally, thanks to all our partners who helped with the planning, insightful talks, lectures, and video sharing.

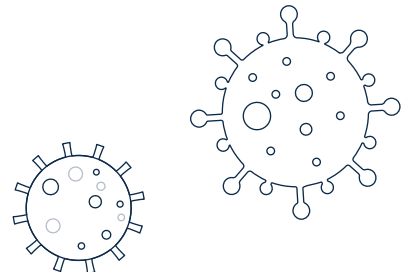
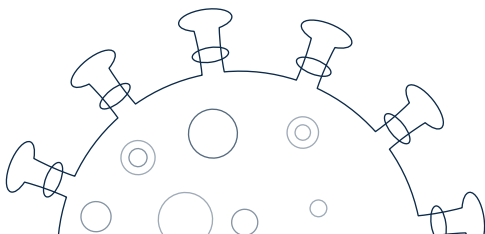
The Need for a Hackathon

Many countries and people all over the world are under some sort of lockdown, either partially or fully. The Coronavirus (Covid-19) pandemic has changed the normal way of life of an average person. The crisis started in China in late 2019 and gradually spread to other parts of the world.

In December 2019, in the Hubei province of China, the Coronavirus disease broke out. The Chinese authorities were able to trace the origin of this viral disease to a Seafood market in Wuhan. To curb the spread of this virus, the Chinese government put Wuhan, a city of about 11 million people under lockdown. In a couple of weeks, other parts of the world had to use this same lockdown strategy because the virus was spreading fast and needed to be slowed down. Presently, over 2.4 million people have been infected with this virus, and about 7% of those infected have died, 26% have recovered and there are still over 1.5 million active cases all over the world.

This brings us to where we are today. We are in the midst of everything happening. Our daily lives have been altered in one way or another. The new norm is 'Social distancing.' This has led to many people working from home; schools are using distance learning; large gatherings are prohibited, and many people are ordered to stay at home and can go out only when necessary. Many industries have been affected, the biggest being the health industry. Hospitals and medical staff are stretched beyond their limits. Another affected industry is the aviation industry as the number of flights and movements across the world have drastically fallen. Small and medium scale businesses have also felt the impact of this virus, the global economy has gone into a recession and we are in a daring need of solutions to revive it. For this reason, hackathons have to be organized.

Hackathons are technology and innovation-based events where people from different fields and works come together to use computer programming and other related technologies to solve specific challenges. Hackathons are important to inspire people to race round the clock to find solutions to the most pressing issues. When in a hackathon, the environment is competitive. This competitive atmosphere makes people think about and implement cutting edge solutions to problems. With so many great minds coming together to solve specific problems, there is no doubt that if hackathons are organized during a crisis, one can get some of the best solutions to those problems.

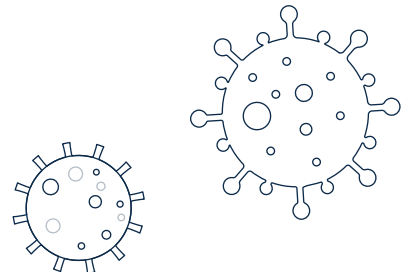
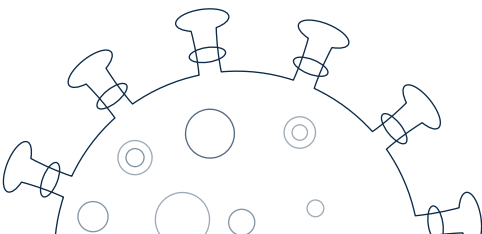


About Hasoub CoronaHack 2020



The Hasoub CoronaHack 2020 was a virtual Hackathon competition. It had to be virtual because of the social distancing rule, and this was done by using distant learning platforms like zoom. It was designed to find innovative solutions to the various challenges facing our society due to the spread of the Coronavirus (Covid-19). Together we needed to find tech solutions that drive social impact, with the aim of tackling some of the challenges related to the current pandemic.

We were looking for the great minds of entrepreneurs, engineers, developers, economists, innovators, students, designers, scientists, influencers, doctors, manufacturers, consultants, campaigners, investors, brand managers, athletes, actors, industry experts, adventurers, young and old, and for anyone who have an innovative idea to face the crisis. It was open to anyone with a passion for change to come together to solve pressing issues that arose during and after the Covid-19 pandemic. This was an opportunity to work together, collaborate, and build innovative things.

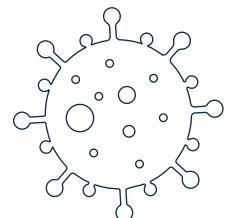
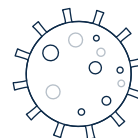
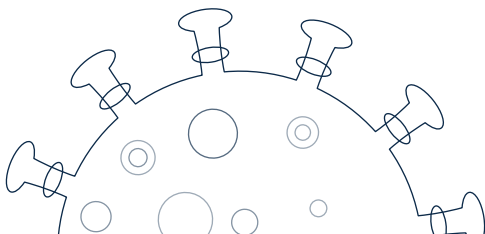


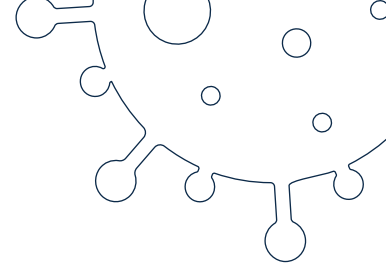
Why this Hackathon?



The world is undergoing a drastic change, and the Arabs in Israel are a part of that change. This Hackathon was a priority to Hasoub and all other stakeholders because the Arab community in Israel needed to protect themselves as well as others during the Covid-19 pandemic.

With lots of Israeli medical staff being Arabs, it was important that we equip the Arab community with the necessary skills and challenged ourselves to contribute solutions to the Coronavirus pandemic in Israel and the world. We wanted to work along with other societies, industries, and researchers that are already dealing with the immediate challenges. But one question we needed to ask was - how do we face the challenges during and after the Coronavirus (Covid-19) pandemic?. Its impact on jobs, finances, education, travel, food, environment, startups, etc. How do we invent a bright new future during and after the Coronavirus (Covid-19) pandemic?





What was this Hackathon about?

The Hackathon was a four days exclusive online 'Open Innovation' event aimed at inspiring every citizen to think of real solutions to the problems that arises during and after the Coronavirus crisis.

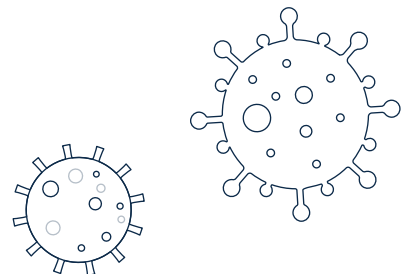
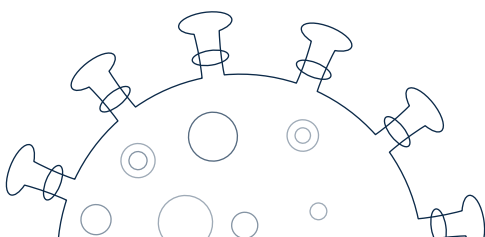
Management of the Hackathon

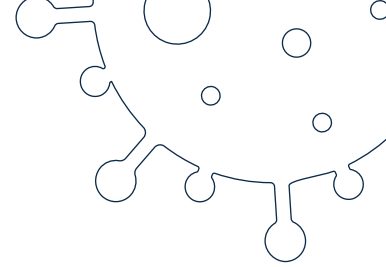
The Hackathon was managed by Hasoub and several volunteers including mentors, judges, and partners who worked together to make sure that the program was a success and to achieve the goal of bringing our world back on track. The following gives details of how the program was organised and handled.

The Hackathon process

MAIN STRUCTURE AND TIMELINE

- April 13, 2020 → **The event was open for registration**
- April 16, 2020 → **Deadline for team formation and project proposals**
- April 17-20, 2020 → **Hacking days**
- April 20, 2020 → **Final projects submission**
- April 21, 2020 → **Judging and announcement of winners.**



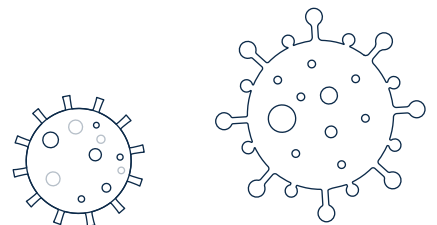
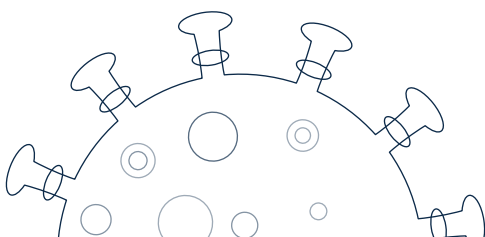


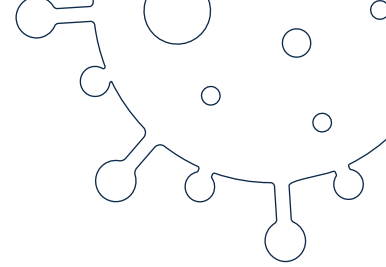
The Hackathon process

WORKSHOPS DURING THE HACKATHON

During the period of the Hackathon, there were a total of 8 workshops and eight speakers. Details of each workshop organized during the event are on the table below.

Day	Date	Time	Activities	Speakers
1	Wednesday April 15, 2020	09:00 pm ↓ 10:30 pm	All you need to Know about the Hackathon	Zada Haj Hackathon team member, Activist and an Entrepreneur
2	Thursday April 16, 2020	09:00 pm ↓ 10:30 pm	Outlining the challenges and needs during the Coronavirus (Covid19) crisis	Rosoul Sada Member of the emergency room for the Arab Society and Maoz Arab Society Director
3	Friday April 17, 2020	1:00 pm → 2:30 pm	Formation of the groups	Hasoub Team and Participants
		6:30 pm → 8:00 pm	Ideation and Prototyping	Hasan Abo-Shally Founder of Hasoub and Product Manager at Microsoft
4	Saturday April 18, 2020	6:00 pm ↓ 7:30 pm	Pitching and Storytelling	Ms. Amal Aun Founder and co-director of Speak up
5	Sunday April 19, 2020	4:00 pm → 5:30 pm	Impact Entrepreneurship	Alina Shkolnikov Program officer at Edmond de Rothschild Foundation
		8:00 pm → 9:30 pm	UX Know, Show, and Tell	Sagi Chaitas UX Manager at FCM Travel Solutions
6	Monday April 20, 2020	12:00 pm ↓ 1:00 pm	How to make videos	Ameer Basheer Digital and Media Entrepreneur filmmaker and photographer

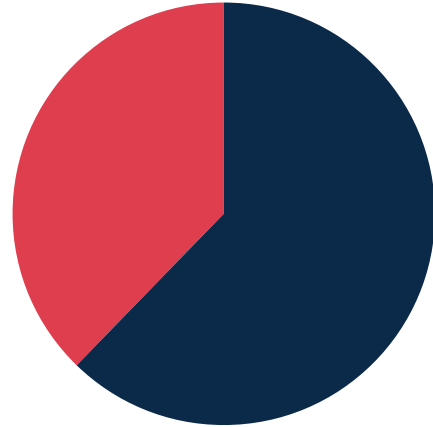




Who Participated?

PARTICIPANTS

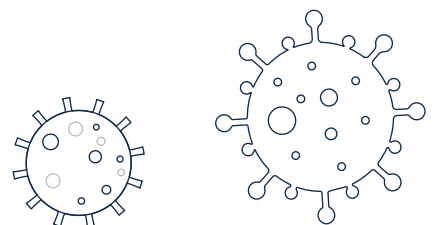
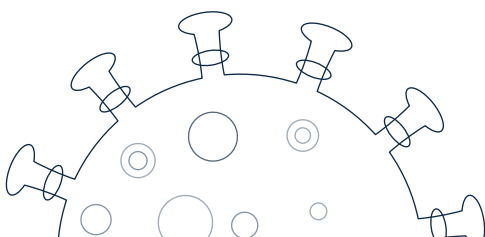
There were a total of 160 participants. There were 61 female participants and 99 male participants. These participants were required to form a group of two to five people. Each group collectively picked a project and worked together as a team to come up with solutions to different challenges caused by the Covid-19 crises. Below is the graph of participants according to their gender.



GEOGRAPHY AND EDUCATIONAL BACKGROUND OF PARTICIPANTS

Many of the participants came from different geographical locations covering the 48 areas, including Jerusalem, West Bank, and Gaza. Out of the 160 participants, about 20 participants were from Jerusalem, 15 participants were from Umm el Fahem, 13 participants were Nazareth, and several others as seen in the graph.

The participants came from various educational and professional backgrounds, including healthcare, business and management, education, software development, hardware engineering, marketing and branding, graphics design, finance and banking. There were also high school participants.



Who Participated?

HACKATHONS BY SECTOR

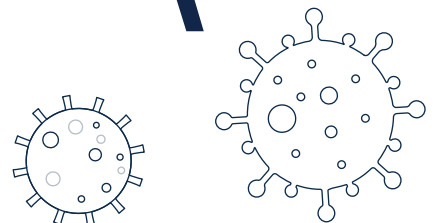
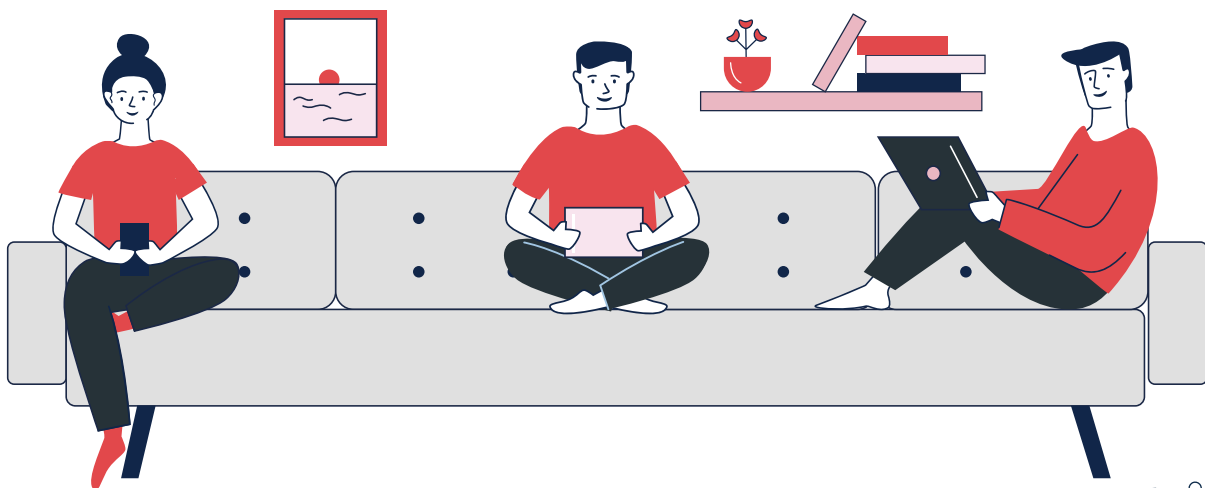
Participants were allowed to choose what type of project they wanted to work on. Some participants chose projects that address challenges in the health sector; some focused on challenges facing businesses, vulnerable populations, entertainment, logistics, and so on.

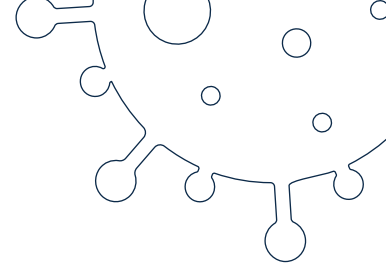
MENTORS

There were a total of 20 mentors. They included mentors both from Hasoub's team and other mentors who volunteered during this event. These mentors come from different backgrounds, some of which are management, hardware and software engineering, business development, marketing and branding, human rights activists, and others. Each of them used their expertise and knowledge in their respective fields to help coach participants during this event. Some of these mentors were also in charge of the workshops and lectures.

SUPPORTERS AND PARTNERS

Hasoub had several supporters and partners who contributed to this Hackathon event. Our partners include Friedrich Naumann Foundation - Jerusalem, Google for Startups, Intel, SVF Social Venture Fund, The New Dawn of the Negev, The Galilee Society - The Arab National Society for the Health Research and Services, Women against Violence, Arab Emergency Room, Jest, Sikkuy, Kav Mashve, Shaghaf Volunteering Foundation.





Selecting the top 5 projects

THE PROCESS

It was compulsory for each group to submit a video of 1.5 - 2 minutes describing their project. The deadline for submission was on Monday, 20th April, 2020 at midnight. The judges used a list of clear criteria to grade each group. The criteria considered were:

- 1 The event was open for registration**
- 2 The desirability of the project by its target group**
- 3 Future viability of the project**
- 4 Relationship between challenge and solution proposed**
- 5 Its sustainability and market readiness**
- 6 Video and presentation of the group**
- 7 Comportment of each group member**

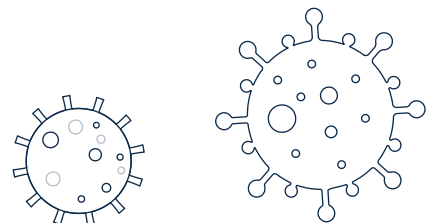
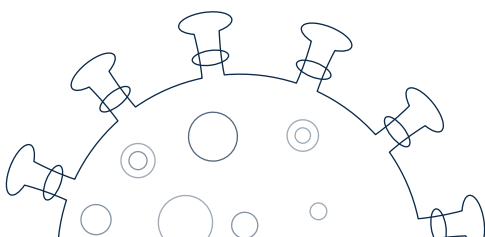


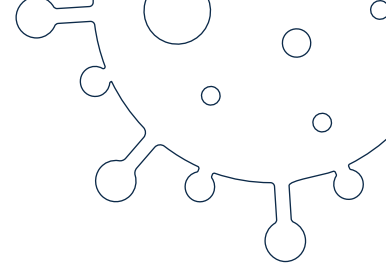
It was a rigorous process to choose the top 5 projects because there were many amazing projects and teams.

After the judges selected the top 5 projects, each of them had the opportunity to present their projects to the audience. They also answered questions asked by the judges and other people in the audience. The final stage involved the audience voting for their favorite project to pick the winner.

JUDGES

There were 7 judges. These judges consisted of volunteers, some members of the Hackathon team and some members of the Hasoub team. They were responsible for accessing the quality and progress of the participants. They were also responsible for selecting a winner.





Selecting the top 5 projects

PITCH NIGHT

On pitch night, the top five technologies presented their projects to the judges, mentors and their colleagues. It was an opportunity for them to explain how their work will contribute to solving the challenges caused by the Covid-19 crisis. After the presentation of the five groups. The audience had the chance to vote online for their favorite innovative project.

TOP FIVE FINALISTS

1 Teach me

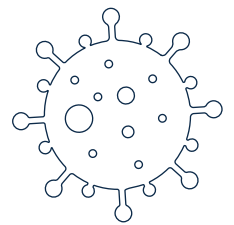
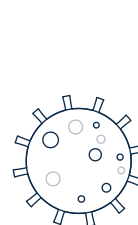
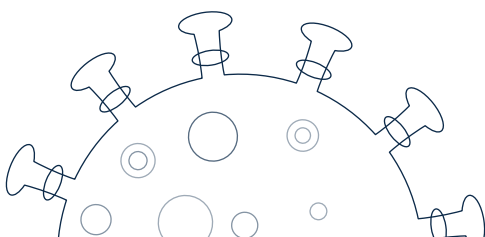
There are many issues with distance learning for students and teachers. The lack of sufficient computers in the homes, boredom during an online class, professors might not write or draw clearly, some materials are not arranged in an easy-to-use manner, buffering of the internet, and so on. The solution we provided was to build a web application that works on a cell phone and a computer very easily, reduce boredom of students by adding break time and games, it has a smart board that contains shapes needed by both teachers and students.

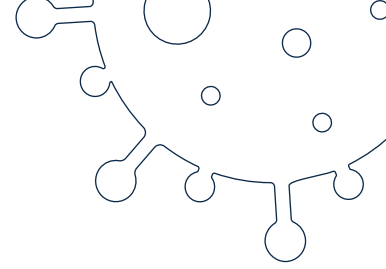
The application allows registering of the quotas and arrange them in an orderly manner, it allows live shares, allows students from other schools to learn from teachers in a different school, allows teachers to evaluate students, and allows video to display based on rating and importance.



TARGET GROUPS

School students and teachers.





Selecting the top 5 projects

TOP FIVE FINALISTS

2 GuardU

People with a fever or a cough are allowed in shops, hospitals and other public and private places. Such practice can endanger others around them, especially in a pandemic. We developed an automated body temperature and vitals measuring device that can face track and pinpoint exactly where your forehead is. Thus relieving humans from doing this dangerous task.



TARGET GROUPS

Hospitals, stores, clinics.

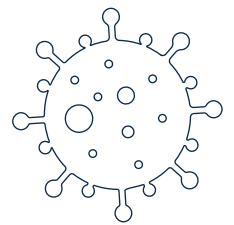
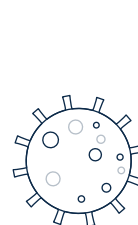
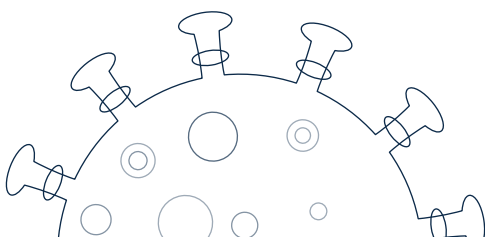
3 Ozmo Medical

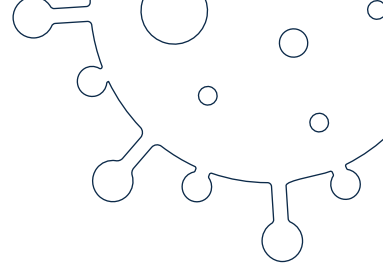
The number of Covid-19 cases keeps rising, also the number of critical cases is increasing and there is an urgent need of ventilators for these cases. There is a shortage of this device in many countries. Also, these machines are very expensive! We made an automatic breathing machine or a ventilator using arduino. This machine can be made anywhere very easily. It cost about 25% of the price of a factory-made ventilator. Presently, we made only a basic machine because we don't have all the parts necessary to make a standard one.



TARGET GROUPS

Hospitals and medical centers.





Selecting the top 5 projects

TOP FIVE FINALISTS

4 تطبيق يد

(Yad Application) For obvious reasons, there is a lack of social interaction between patients. There is a need for these patients to get help and mental support locally from health workers and social workers, and still have their information confidential. The solution proposed for this problem was a platform that allows patients to connect with one another, doctors and social workers according to their locality. It also supplies the user with reliable information regarding the pandemic.



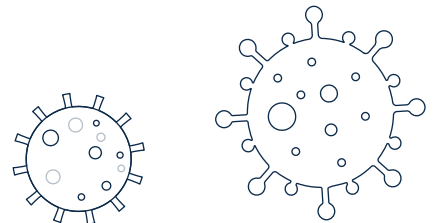
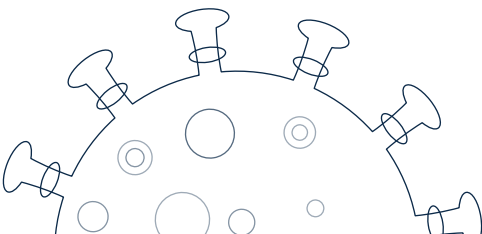
TARGET GROUPS
Covid19- patients.

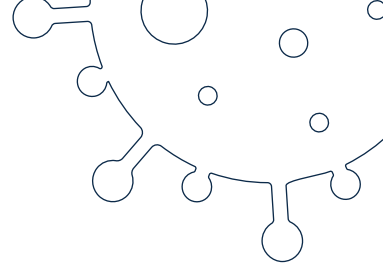
5 Warsha

Due to the current Covid-19 situation, a lot of people are stuck at home unemployed and so many are not spending their time wisely. We provided a platform where volunteers can host interactive live workshops and people can easily join them. Target audience are people who want to invest their time into learning new things interactively, and people with special abilities or skills who are willing to share their knowledge.



TARGET GROUPS
Communities.





Selecting the top 5 projects

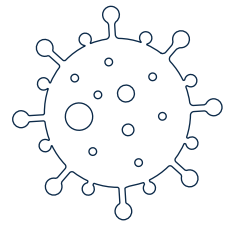
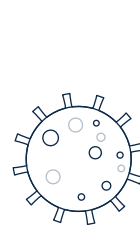
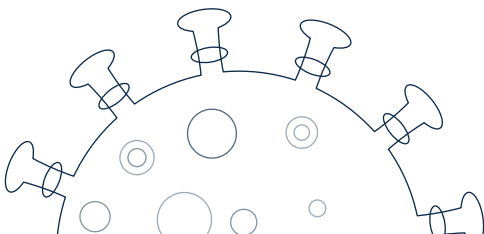
THE WINNERS

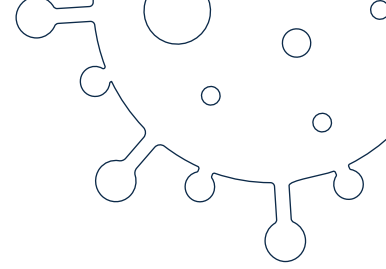
The first three winners are:

1 Warsha

2 GuardU

3 تطبيق يد





Comments from Participants

“My experience within the Hackathon is one of the most beautiful and most exciting experiences filled with energy and love. By itself, the experience is a great addition and fun for me. I and the team of three wonderful girls Taima, Karin, and Qamar are working on developing Storytelling (Hakawati), it is a way to rise within our society as it needs loads of creativity!”

Gbareen Hanan

“We thought that an online hackathon would never be as great as an offline one, but we had a great time and enjoyed it. Thank you very much! We are looking forward to Hasoub's next event.”

WarshaTeam

“I never thought that I would join a far distance hackathon like that! When I first heard the idea I was so spectacular about it but it was really a hit!”

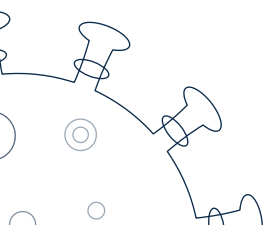
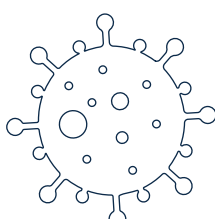
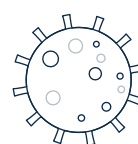
One of Your Door Team

I wouldn't ever forget that there was a mentor right there that answered my question late in the evening. Also, the amount of cooperation and guidance through the hackathon. Additionally, and for the first time, someone recommends tools that are really helpful, and gives his feedback clearly and in a quick way.”

Memory shared by one of the participants

one of the Judges shared with us - “Bravo everybody, great job! Great Session, a lot of appreciation to the Hasoub team for what they are doing in our community. Real leadership is not to make followers, it's to create leaders and that's what this great team is doing”.

Shadie Bisharat





References and other sources

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Facebook Page Hackcorona

<https://www.facebook.com/groups/hackcorona/>

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