#CODE19

HACKATHON AGAINST COVID 19

Hosted by Motwani Jadeja Family Foundation

hosted by

Motwani Jadeja Foundation
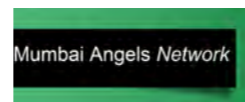Entrepreneurship . Disruption . Innovation

hackathon partner	supporting partner	supporting partner	angel investor partner
hackerearth	TiE MUMBAI FOSTERING ENTREPRENEURSHIP	AJAMAL STARTUP FOUNDATION	Mumbai Angels Network

academic partners

राष्ट्रीय डिज़ाइन संस्थान
NATIONAL INSTITUTE OF DESIGN
AHMEDABAD

aSHOKA UNIVERSITY | **Centre for Entrepreneurship**

design mentors	technology media partner	outreach partner	campus outreach partner
ADI Association of Designers of India	diGit	GIRLSCRIPT.TECH EDUCATION FIRST	stumagz Digital Campus Ecosystem

---

#CODE19

HACKATHON AGAINST COVID 19

Hosted by Motwani Jadeja Family Foundation

DECODE Covid 19 challenges in India

10.04.2020
www.code19.in

ENCODE smart social solutions

US$34,000 to develop top solutions

hosted by

Motwani Jadeja Foundation
Entrepreneurship . Disruption . Innovation

Intro to CODE19

The Motwani Jadeja Foundation is bringing together the best minds in a 72h online hackathon event called CODE19 to find solutions to India's challenges against the menace of Coronavirus. The event will empower participants to collaborate with mentors, subject matter specialists, data sources and a network of collaborators in the quest for solutions against Covid-19.

This 72h non-profit online hackathon aims to create open-source projects that help solve the most pressing problems of the current crisis in India. We want to build on existing solutions and technologies for efficiency and to enable sustainable impact after the hackathon to take projects to the next level and implement them for our daily lives and work.

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus. Many people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. However, older people, and those with underlying medical problems like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness.

The best way to prevent and slow down transmission is to be well informed about the COVID-19 virus and how it spreads. Protect yourself and others from infection by washing your hands or using an alcohol-based sanitizer frequently and not touching your face. The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it is important that you also practice respiratory etiquette (for example, by coughing into a flexed elbow).

At this time, there are no specific vaccines or treatments for COVID-19. However, there are many ongoing clinical trials evaluating potential treatments. The latest statistics indicate that COVID-19 has infected over 950,000 people across 206 countries and caused over 46,800 deaths as of April 3, 2020.

The Motwani Jadeja Foundation Imperative

The Motwani Jadeja Foundation supports a global network of influential thought leaders, academics, government officials and technology industry innovators. To overcome the challenges of COVID-19, we enable the collaboration, expertise and skills of several thousand technological partners, scholars, innovative minds and specialists.

COVID-19 has developed into a global crisis. In a relatively short period, with one of the world's largest network of international technology specialists, MITLI can bring together unique crowdsourced ideas to save our planet. Although COVID-19 is a global problem, we would like to focus on solutions developed for or from India.

India has one of the world's largest population of mobile users with 600m mobile users and is acknowledged for its talents in academia, NGOs and the public and private sectors including in the technology sector. We welcome technology developers, social workers, academics, NGOs, technology and business professionals, businesses, teachers, students, essentially anyone located in India or internationally who would like to help us find and solve problems.

The Concept of a Hackathon

A hackathon (also known as a hack day, hackfest or codefest; a portmanteau of hacking marathon) is a design sprint-like event; in which computer programmers and others involved in software development, including graphic designers, interface designers, project managers, domain experts, and others collaborate intensively on software projects.

The goal of a hackathon is to create functioning software or hardware by the end of the event. Hackathons may have a specific focus, which can include the programming language used, the operating system, an application, an API, or the subject and the demographic group of the programmers. However, in this case, there is no restriction on the type of software being created.

Uniqueness of an online Hackathon

Usually, a hackathon is an event where many people physically gather together. Due to the COVID-19 crisis, many events have shifted virtually. In March 2020 the Zürich Hack in Switzerland hosted its first online hackathon of over 72 hours with thousands of participants. A week earlier, in Germany – in cooperation with the government – the largest hackathon in Europe took place with over 44,000 participants.

the vision

Why CODE19?

• Online hackathon:
individuals can participate from the comfort of their own home
• Open source solutions:
crowdsourced solutions could readily be available for scaling and implementation
• Prize money worth US$34.000*
Expected Outcome from Code 19 India
The outcome shall be qualitative prototypes, which are open-source based and can help to tackle a problem during or after the COVID19 crisis. The focus is on developing solutions quickly and applying them in everyday life.

The Context and Background

India had 2562 confirmed cases of Coronavirus as on Friday, 03 April 2020. This number is deceptively low since India has not tested a large number of its population. The current criteria for testing patients in India for Coronavirus is very stringent and tests are conducted only in patients who present multiple symptoms.

But cases are on a rise even as the country is on a 21-day lockdown. India's cities are dense and heavily populated and the country figures amongst the lowest spenders in healthcare in the world. Less than 3.5% of the country's GDP is spent on healthcare. India is also the second most populous country in the world. It is therefore easier for the virus to spread quickly in India.

All new crisis requires a new set of ideas and mitigation strategies. Hence it is our collective responsibility to put our brains together to come up with new ideas and solutions to fight the virus. This is a platform to bring such bright minds together.

why code19

REWARD
FOR THE TOP
SOLUTIONS

ACCESS TO FUNDS
WORTH US$ 34,000

TOP WINNERS

#No. 1 Winner
Access to **US$ 10,000**

#No. 2 Winner
Access to **US$ 5,000**

#No. 3 Winner (3 teams)
Access to **US$ 3,000** each

CATEGORIES WINNERS

Best Application of Technology
Best Plug and Play Solution
   in the Social Sector
Best Plug and Play Solution
   in the Educational Development Sector

SPECIAL PRIZES

Best Innovative Solutions (10 teams)
   Access to **US$ 1000**

* Motwani Jadeja Foundation reserves the right to change
the format, terms and amount of the prizes at any point
of time without prior notice.

rewards

About CODE19?

What is #CODE19INDIA hackathon about?
The goal of a hackathon is to create functioning software or hardware
by the end of the event. Hackathons may have a specific focus, which
can include the programming language used, the operating system,
an application, an API, or the subject and the demographic group of
the programmers. However, in this case, there is no restriction on the
type of software being created.

#CODE19INDIA is a 10-day online hackathon where a large number
of people meet virtually to engage in collaborative computer
programming. The purpose is to create solutions to address COVID19
challenges with a focus on India
.

What's in it for you?
The Hackathon offers an opportunity for innovators like you to create
solutions for the greater good of the nation. The event shall have
a pool of mentors, who can support various teams in ideation and
creation. These professionals are from various industries, positions
and motivated to help the community to share their knowledge and
time. The event will have a few online sessions such as talks with
business leaders and daily Yoga & Meditation sessions, to keep the
participants inspired. Last but not least, there will be cash prizes worth
US$ 34,000 for top teams.

What are we looking for in the submissions?
We are looking for applications that are innovative and unique. The
outcome can be qualitative prototypes, which are open-source based
and can help to tackle a problem during or after the COVID19 crisis.
The focus is on developing solutions quickly and applying them in
everyday life.

Who should register?
There are no criteria, no age limit. Anyone with zestfulness, time,
internet access and an idea can participate. You need to be committed
and passionate. We are looking for programmers, designers, creative
people, problem solvers and socially committed citizens. There are
generally no requirements to participate. Use your interdisciplinarity
skills and be committed until the end to your team

Participants for Code 19

Participant
Once you register, you can contribute your plans or product idea along any of the themes you wish to pursue. CODE19 is open to all people as individuals and teams.

Mentor
Mentors and guides can help participants sharpen their product ideas and convert them to successful products that will aid our fight against Coronavirus. Once you fill-up the form, mentors will be requested to provide more information on their background

Judge
CODE19 is an open competition where a jury determines the winners.

CODE19 Plan

- Working on solutions through brainstorming, ideations, wireframes, designs, developments and prototype testing.
- Competing for the most votes in the end and winning the prize money.

Who Can Participate in CODE19?

You need to sign up on **www.code19.in** first to participate. Once you register, then either you can participate as a mentor where you fill out a form or as a participant. The latter will lead you to the HackerEarth website.
- No, there is no criteria, no age limit. Anyone with enthusiasm, time and internet access can participate. You need to be committed and passionate.
- All nationalities, ethnicities and gender are welcome. Please consider the Code of Conduct: https://hackcodeofconduct.org/
- Teams: The number of participants in the Hackathon is limited to 10. The number of participants per team is unlimited. We recommend dividing a huge team into 2-3 subgroups so one can effectively work out a solution within the time framework.

CODE19 Hackathon Process

- You need to upload a video of your pitch and demo (maximum 2 minutes) and link it to your HackerEarth project.
- We are mainly looking for technical prototypes, however other ideas and results are welcome as well.
- Please do upload all of your information and material to HackerEarth (Code via GitHub or other repositories).
- Please make sure that your project is well documented.
- Everyone should be able to test your project and be able to develop it or build on it.
- There will be a jury to assess the most exciting projects.

CODE19 Themes

1. Open Innovation for COVID-19
Can't find a suitable theme for your innovative solution?
Open innovation theme accentuates your imagination with least restrictions. Build the ideas that you believe in! We invite all ideas across any domain relevant to the crisis. Put on your thinking caps and start submitting your innovative ideas. Go creative with ideas that can help one, help all- with your favourite tech stack- got your back.

2. Social life, Welfare and Awareness
• The entire world has gone remote right now and virtual availability is the need of the hour. What can bring people together virtually, keeping social distancing in mind? Come up with ideas that can help working from home be fun and interesting, while maintaining productivity.
• The global economy has taken a hit, but is there a silver lining for traders here? Use your technical skills to analyze current market trends and guide traders on potential opportunities they must not lose out on. Can you help predict when the market will recover or help businesses build better strategies?
• With COVID-19 taking grip all over the world, the outbreak has forced the cancellation of trips, nights outs, and large gatherings. Economic damage is mounting across the world and a lot of companies have been forced to let their employees work remotely. Can you help aid small scale businesses adapt to the circumstances better?

3. Education and Awareness
— Learning must not stop!
• Propose and execute moonshot ideas to help learners of various universities and research institutes across the world to learn online.
• Enhance virtual meeting tools in an innovative way for work-life balance.
• Build a platform for virtual learning that can help inform people about current situations and suggest tips to follow on a real-time basis.

4. Healthcare and Medication
• Build an IoT enabled digital assistant for surgeons, patients, and the likes throughout the patient journey. For instance, build dashboard and reporting tools for patient data monitoring or data backend decision-maker for surgeons with useful features like care plans, healing time estimation, patient feedback, or customized counseling for patients.

• Build an application for the widespread testing of Coronavirus in India. Enable medication adherence and monitoring for people under quarantine with a customized medication pack that is integrative to a home device, and generates reports, tracks medication adherence and patient recovery, and analyzes drug efficacy in chronic disease conditions.
• Build a custom AI chatbot or voice assistant bots for patient assistance, determine a line of therapy, and add some useful features to it.

5. Industry/Travel/Tourism
• Analyze the impact of COVID-19 lockdown on the tours and travel industry. Build a predictive analytics model or a product to help the aviation industry and/or customers on ways to handle COVID-19 crisis.
• Use your API adoption skills for this critical situation to build a travel dashboard that gives feedback/updates about travel safety, onboarding the safest route, nearest hospitals, prompt measures to be followed in emergency cases, and/or other infographics.
• Recognizing the power of working together as an industry and bringing the talent and capabilities of our industries.
Example: Indian Unicorn OYO Offers To Turn Hotels Into Quarantine Centres Amid Coronavirus
Example: 50 Ways Companies Are Giving Back During The Coronavirus Pandemic
Can you suggest ideas to build a platform for connecting these organizations and help the target group ?

6. Research and Development
• While researchers identify and test the source and vaccine of COVID-19, can you build a platform to detect and diagnose coronavirus patients at the early stages? Use image processing, segmentation, and the likes to detect this lung Infection.
• Think of cost-effective solutions for thermal scanning and large-scale area sanitization and sterilization or AI and IoT based solutions for contactless entry
• Propose solutions that will help people have easy access to a COVID-19 diagnosis kit or provide people with low-cost masks.
• Develop solutions to predict the next area to be infected by the virus. Analyze the data around COVID-19 events and predict potential COVID-19 cases around the world on an everyday basis.
• Predict the propensity of flattening the curve by analyzing data trends across different countries. Derive insights to ascertain the true nature and impact of COVID-19 on the economy or human life.
• How can you accelerate work on the development of vaccines? Partner / piggyback support entities like Gates foundation.

themes

CODE19 schedule

(all times below are IST)

Friday, 10th of April 2020 (Good Friday)
6PM   Sign-up Deadline:
           Last chance to sign up for #code19india
7 PM   Slack access details are sent
8 PM   Team sign-Up (platform TBD)
8.30 PM   Opening Ceremony with welcoming speech
           by Asha Jadeja Motwani

Opening Participants will be encouraged to form teams through #code19india main Slack workspace to decide on an idea by a deadline, after which work begins.

9 PM   Start hacking!

Saturday, 11th of April 2020
12PM   Online Yoga with Zubin Atré on YouTube Live
6PM   Meditation (Yoga Nidra) with Manish Poddar
8PM   Live Interviews / Session with Mediapartner on YouTube
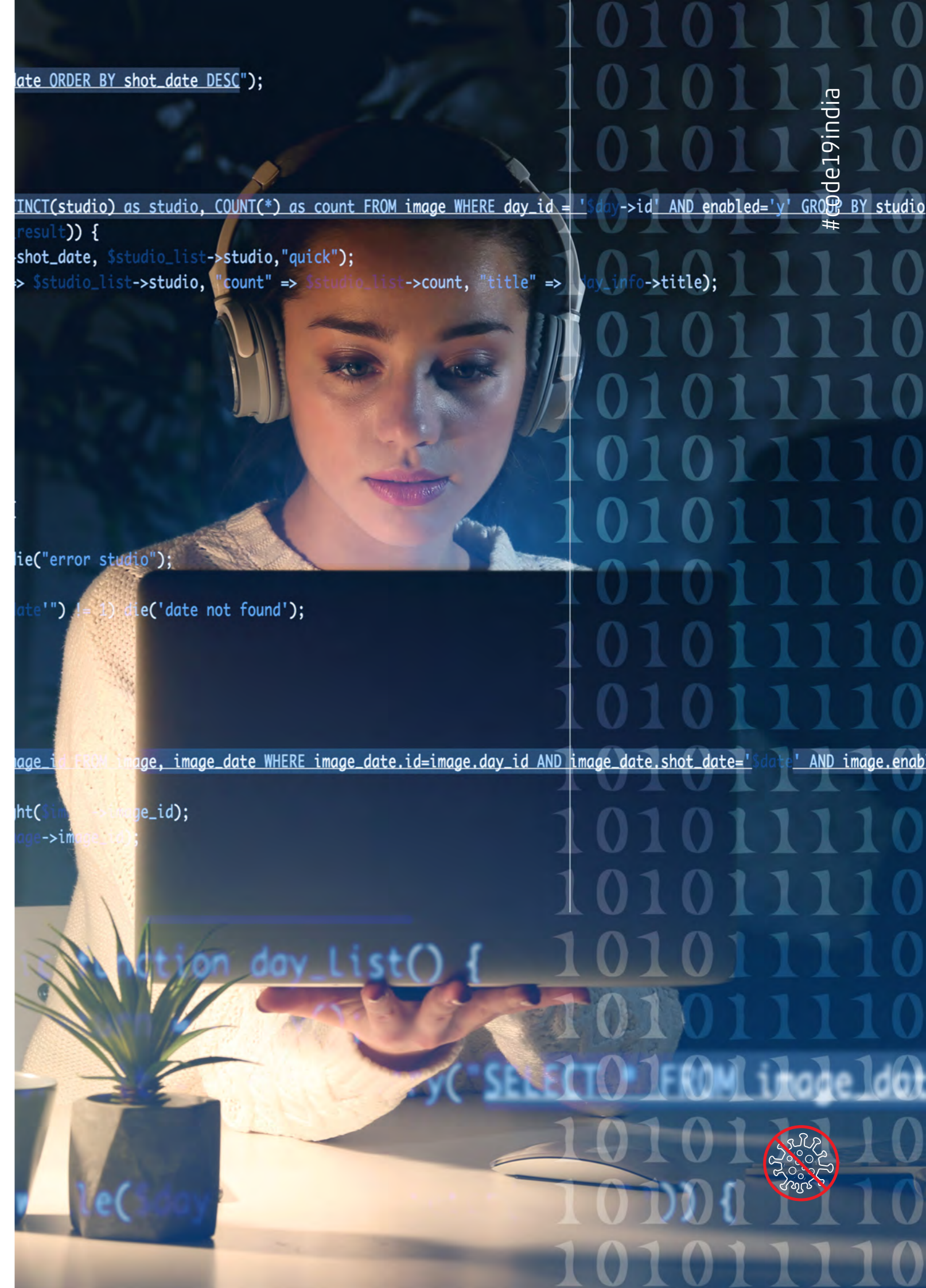
Sunday, 12th of April 2020
12PM   Online Yoga with Zubin Atré on YouTube Live
6PM   Meditation (Yoga Nidra) with Manish Poddar
8PM   Live Interviews / Session with Mediapartner on YouTube

Monday, 13th of April 2020 (Easter Monday)
12PM   Online Yoga with Zubin Atré on YouTube Live
6PM   Meditation (Yoga Nidra) with Manish Poddar
9PM   Project Submission Deadline on HackerEarth
11PM   Jury process starts

Tuesday, 21st of April 2020
11.30AM   Announcement of winner of hackathon
12.05PM   Closing speech by the organizers
           and Asha Jadeja live on YouTube

The schedule may be subject to change as per the event's requirement
* Motwani Jadeja Foundation reserves the right to change the format, terms and amount of the prizes at any point of time without prior notice.

schedule

Organizers and Partners

Asha Jadeja Motwani

Asha Jadeja Motwani is a Silicon Valley based venture capitalist, entrepreneur, philanthropist and a champion for "exponential change" in the world. She is an influencer with a humanitarian vision to uplift the downtrodden masses and tackle global inequalities.

As a Venture Capitalist, Asha Jadeja has invested in over 100 startups including high profile companies that have gone public such as such as Google and PayPal.

As a change agent, she supports non-formal/ online education, women's leadership and entrepreneurship, and policy change for economic and human development.

Asha is the founder of Motwani Jadeja Foundation, a not-for-profit organisation that strives to develop a network of entrepreneurs in South Asia trained to think and drive exponential change. The foundation's priorities include disruptive entrepreneurship, poverty alleviation, gender equality, and sustainable development.

A firm believer in self-sustaining social movements supported by local communities, she has successfully launched the Maker Fest initiative in India. She is a speaker at numerous global technology and startup conferences including TIE Delhi-NCR, DLD Munich and TieGlobal Delhi. www.ashajadeja.com

Motwani Jadeja Foundation

Motwani Jadeja Foundation is a not-for-profit, distributed, global venture fund, that aims to transform entrepreneurial individuals into creative change makers. Their start-ups are a reflection of this ethos. Motwani Jadeja Foundation supports a global network of entrepreneurial thinkers, artists, writers and tech innovators driven by the values of individual freedom and excellence.

Motwani Jadeja Foundation aims to support and empower entrepreneurs to enable exponential change. It is industry-agnostic and particularly cares about impact investing in education, the Maker Movement and women's rights, primarily in South Asia. Based out

of the Bay Area, NYC, and India, the foundation has a strong global footprint across various tech sectors and academia. Its network has deep roots throughout Google and Stanford, from where it develops opportunities that help bridge gaps and contribute to solving global social problems.

Motwani Jadeja Foundation (MJF) is a non-profit, distributed, global venture fund designed to transform entrepreneurial individuals into creative change-makers. The start-up portfolio is a reflection of this ethos. Motwani Jadeja Foundation aims to support and empower entrepreneurs to enable exponential change. It is industry-agnostic and particularly cares about impact investing in education, the maker movement and women's rights. With deep roots in Stanford, UC Berkeley, Google and over 200 tech companies in Silicon Valley, the Foundation runs a think tank powered by some of the most influential global thought leaders, academics, heads of state, and leaders in technology. www. motwanijadejafoundation.com

Supporting Partners

HackerEarth

HackerEarth provides enterprise software solutions that help organisations with their technical recruitment needs. HackerEarth has conducted 1000+ hackathons and 10,000+ programming challenges to date. Since its inception, HackerEarth has built a developer base of over 3 million+. HackerEarth has raised close to $5 million in funding over three rounds. Today, more than 750 customers worldwide use its Assessments platform, including Amazon, Walmart Labs, Thoughtworks, Societe Generale, HP, VMware, DBS, HCL, GE, Wipro, Barclays, Pitney Bowes, Intel, and L&T Infotech. HackerEarth is backed by GSF Global and Angelprime.
www.hackerearth.com

The Indian Institute of Technology Kharagpur (IIT-KGP)

IIT Kharagpur or IIT-KGP) is a public technical and research university established by the government of India in 1951. It is the first of the IITs to be established and is

recognised as an Institute of National Importance. In 2019 it was awarded the status of Institute of Eminence by the government of India. IIT-KGP was initially established to train scientists and engineers after India attained independence in 1947. However, over the years, the institute's academic capabilities diversified with offerings in management, law, architecture, humanities, etc. IIT Kharagpur has an 8.5 square kilometres (2,100 acres) campus and has about 22,000 residents.
www.iitkgp.ac.in

National Institute of Design Ahmedabad (NID)

National Institute of Design Ahmedabad (NID) is India's leading institution of design with extension campuses in Gandhinagar and Bangaluru. NID is an 'Institute of National Importance' by the act of parliament, functions as an autonomous body under the Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry, Government of India. Embedded in its historicity are the almost surreal narratives of its founding, the resilience of its founders, and ingenuity of its faculty, staff, students and alumnae over the last 6 decades. Widely known for its innovations in pedagogy, curricula and syllabi, the NID continues to serve as a benchmark for creative learner-centric models of design education.

As part of its service mandate, the Institute has continuously responded to changing contexts over time, especially through its foray into new fields of inquiry and practice within the country. Its contribution to the both industrial and social sector is not only well documented, but palpably visible on ground.
www.nid.edu

Ashoka University: The Centre for Entrepreneurship

Ashoka University is a pioneer in its focus on providing a liberal education at par with the best in the world. The aim at Ashoka is to help students become well-rounded individuals who can think critically about issues from multiple perspectives, communicate effectively and become leaders with a commitment to public service.

The Centre for Entrepreneurship is the creative hub at Ashoka University that nurtures the entrepreneurial endeavors within the Ashoka ecosystem. The Centre is committed to assisting students in every stage of the lifecycle of an enterprise – right from inspiration, ideation and initiation, to incubation, investments and

internationalization for both mainstream innovations as well as ventures around social innovation and sustainability."
www.ashoka.edu.in

TiE Mumbai

TiE Mumbai is a part of a global nonprofit venture devoted to entrepreneurs in all industries, at all stages, from incubation, throughout the entrepreneurial lifecycle. With a global reach and a local focus, the heart of TiE efforts lies in its five foundational programs, – Mentoring, Networking, Education, Funding, and Incubation. Several members have formed startups while at TiE, and are now charter members giving back to the community. TiE's ultimate goal is to foster entrepreneurship, creating wealth for both the entrepreneur and the local communities.

The mission of TiE is to foster entrepreneurship through mentoring, networking, education, funding and incubation. With a focus of giving back to the community, Tie's focus is on generating and nurturing the next generation of entrepreneurs.
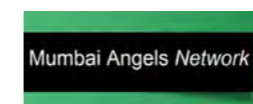mumbai.tie.org

IAMAI Startup Foundation

IAMAI Startup Foundation, a registered body of Internet and Mobile Association of India (IAMAI), which was established with an aim to work for the startups in Mobile, Internet and Emerging-Tech domain and to create an enabling environment to lead India towards App Economy. The prime objectives of the foundation are to work towards educating citizens of the country about Tech-Entrepreneurship and provide platforms to produce quality apps & solutions.
www.iamai.in

Mumbai Angels

Mumbai Angels is the premier platform in India focussed on venture investing, actively building the understanding of venture investing as an asset class and creating platforms where both founders and investors can learn, invest and grow.
www.mumbaiangels.com

Association of Designers in India

The Association of Designers of India (ADI) is the only professional network of Design Practitioners & students established as a "not for Profit" society to promote best practices, share knowledge and align interests. ADI was established in 2010, as a registered society and today is a vibrant community of 16,000 with over 800 registered design professionals across India. ADI amplifies a unified voice of design professionals and creative entrepreneurs to influence public policy, shape industry focus and benefit people at large. ADI events include Pune Design Festival, Design Master Series, Generation D for schools, ADI International Student Design Competition and Design Flavors WIDD, ADI Design OFFLINE , On-line events & Design Mixers for professionals. The Pune Design Festival, now in its 13th season is an annual international conference and is the flagship event of ADI.

   ADI has chapters and strong representation in Delhi, Bangalore, Jaipur, Mumbai, Hyderabad, Pune, Goa and Ahmedabad.
www.adi.org.in

Digit

Digit is the largest personal technology community in India, focused on imparting sound and well-informed advice for buying, using and enabling technology in our daily lives. digit.in: the online counterpart; and digit SQUAD: a community of tech content creators and micro-influencers.
www.digit.in

GirlScript

GirlScript is a non-profit section 8 company in India. It has impacted 35,000 beginners in technology and programming to date via their 7 initiatives including the local community in 56 cities, GirlScript Summer of Code etc. It is also a winner of Elastic Search Cause Awards 2019 at Sydney, Australia. Their work has been featured by Tedx, Booking.com and Forbes Asia as well.
www.girlscript.tech

Stumagz
www.girlscript.tech

#code19india

Collaborate with a community of hackers to fight Covid19 in India