

# INFORMATION BROCHURE FOR DECOV 2020

<https://codetigers.org>

## ABOUT CODE TIGERS

Code Tigers has been established by the students of various colleges and Universities of Techno India Group with the mission to provide a platform for people who are determined to make a difference in the society with the help of their technical skills. Code Tigers gives opportunities to the developers by organizing Hackathons, coding competitions, and various technical events. Code Tigers aim to create a platform where Coders from school, colleges, universities, and industries can join hands in solving challenging problems for society.

## DECOV 2020

Code Tigers presents DECOV which is the National level developing hackathon. DECOV aims to solve the problems faced by the people due to the COVID-19 crisis. With the help of developers, DECOV aims at making a positive sustainable impact on the lives of common people from various professions and works of life who are struggling in this pandemic.

## RULES & REGULATIONS

- There can be a maximum of 5 members in a Team.
- The Teams will be recognized by the name it selects for itself and with which it registers in the online portal of code tigers.
- Problem Statements will be available on the Website as well as the Android Application - DECOV (Available at Google Play Store).
- Teams should describe their work in a video that may be shared publicly on youtube and the link has to be shared in the Participant's Login profile page on the Code Tigers portal.
- The Mobile / Web Application should be explained in the above-mentioned video.
- Applicants are invited from students of High Schools, Colleges & Universities. A team can select or propose a maximum of 3 Problem statements from three different domains.

## PROBLEM STATEMENTS

Participants can propose and solve any real-life challenging problems from the 6 Domains. However, we are suggesting a few problems that one might consider as examples.

### HEALTHCARE

- Predict nearest covid-19 hotspot area.

- Build a multilingual progressive application to help with precautionary measures and symptoms detection.
- Virtual consultancy application to connect with the Doctors linked with the nearest Pharmacy store for medicine supply.
- Track pharmaceutical billing and inform the authority about possible emergencies.
- Design health & hygiene charts according to the who guidelines.

## **BUSINESS & FINANCE**

- Predicting stock market volatility.
- Comprehensive alert module for companies to detect any sort of credit risk.
- An analytics-driven solution to identify lightly surge in the demand for certain products and services.
- In the case of investment in a new project, how can a proper trade-off be achieved between risk and return.

## **VULNERABLE POPULATION**

- Build solutions to address the problems faced by most vulnerable socio-economic groups (e.g. infants & aged population, economically backward population, health workers, migrant labours).
- Manage the smooth flow of essential supply for a quarantined population.
- Build an app that will plan a dynamic diet chart for people with higher risk.
- Build an app to increase immunity for the vulnerable population ( infants & elderly persons) through personalized diet planning based on medical condition

## **COLLABORATIVE RESEARCH**

- A solution to facilitate seamless collaboration among the researchers to accelerate the development vaccine/cure for covid 19.
- Promoting connection to friends, family members, and neighbours to combat social isolation.
- Build an app for digitizing public services for local governments.

## **DIGITAL EDUCATION**

- Solution(s) to ensure that online learning is as effective as on-premise learning.

## **WORK FROM HOME**

- Effective and efficient work from home (wfh) solution(s) for different industry segments.

## HOW TO REGISTER?

- Go to <https://codetigers.org>.
- Click [Register Now].
- Fill the personal details in the Page.
- Click Next.
- Enter your College / University Name & Roll No. in the Second Page.
- Click Next.
- Enter Team Name.
- Select Team Size ( $\leq 5$ )
- Enter the Problem Codes.
- If you have selected Innovative Domain, write your Idea here within 200 Characters.
- Click Register.
- You will be registered and will get an unique id in your Mail Inbox. KEEP THAT ID SECURELY, DON'T SHARE ANYWHERE.

## ROUND TWO:

- Select / Propose Ideas or Problem Statements.
- There can be a maximum of 5 members in a Team.
- The Teams will be recognized by the name it selects for itself and with which it registers in the online portal of code tigers.
- Teams should describe their work in a video that may be shared publicly on youtube and the link has to be shared here after the login.
- The Mobile / Web Application should be explained in the above-mentioned video.
- Present your Powerpoint by making a video made out of it. Also, prepare a vocal explanation. Upload it on YouTube and Share the Link (Make it Public).

## HOW TO ENTER THE DETAILS OF THE ROUND 2?

After registration, you will get an option to Download PPT Template. Download the template by clicking the button. Through that particular template, you have to submit your idea. You can add additional slides but the total slides must not exceed 10.

Once, you finish your video and presentation, upload the links in the 2nd Round in the form for 2nd round where you have to submit Your ID (the unique id that you got in mail), Video Lin & PPT Link.

Now click submit and you are done with the 2nd Round Registration.

## FINAL ROUND:

**Evaluation Round:** After completing the Projects, all the Teams have to create a video demonstrating their respective App(s) / Website(s) and then upload them to YouTube, make them Public, and then share the Link. The code must be uploaded to Github or

Google Drive. Thereafter, the participants will submit from their respective repository links or drive links.

**Judgment Criteria:** The evaluation will be based on innovation and novelty of the idea, solving the level of complexities, feasibility, practicability, sustainability, cost-effectiveness, the scale of impact, user experience, and potential for future work progression. We like great ideas and if it has some business potential, we will take it to the industry level with the support of our mentors from Techno India Group.

### HOW TO ENTER THE DETAILS OF THE ROUND 3?

Enter Registration Id, update the Source Code link & update Demonstration Video link. Click on Submit.

### WHAT ARE THE TEAM FORMATION CRITERIA?

There can be a maximum of 5 members in a Team. The Teams will be recognized by the name it selects for itself and with which it registers in the online portal of code tigers. As the software edition of the hackathon is a digital product development competition, the majority of the team members MUST be well versed in programming skills.

### WHERE CAN WE GET THE RESULTS?

Notification about selected teams will be put up on our portal and will also be sent to their respective Mail Ids.

Best of luck for your Project. You can contact us through our official mail id [codetigers@codetigers.net](mailto:codetigers@codetigers.net). Follow us on our Social Media Handles to get further information about DECOV. Download our mobile application on Play Store: [Code Tigers](#).

**Github:** <https://github.com/code-tigers>

**Facebook:** <https://www.facebook.com/TIGCodeTigers>

**Instagram:** <https://www.instagram.com/codetigers/>

**Twitter:** [twitter.com/code\\_tigers](https://twitter.com/code_tigers)

**LinkedIn:** [linkedin.com/company/code-tigers/](https://www.linkedin.com/company/code-tigers/)

**Blog Channel:** <https://codetigers.netlify.app/>

**Forum:** <https://codetigers.org/forum.codetigers.org/index.php>

Regards,  
Team Code Tigers.

