**Themes**

1. Tools to improve institute workflow

There are a lot of instances where there are major bottlenecks in the workflow of the system. There are multiple ways in which a lot of bottlenecks can be avoided by the digitized workflow. We expect your teams to come up with solutions in this domain, which can help speed up the workflow, solve a problem that the institute faces by digitizing a process.

1. Tool to enhance women safety

Women safety is of paramount importance. There are multiple instances where if one has access to tools, could help save someone’s life. We expect your team to make a solution which can enhance women safety, which can easily be used by women all over the country and is resilient and reliable.

1. Smart Healthcare

Healthcare is one of the most important industries in the world. There are still ways in which it can be improved, by making it more accessible to the common man. Remote healthcare is the big thing right now, and we expect your team to come up with solutions that can help both practitioners and patients.

1. Cybercrime and forensics

Cybercrime has been the main problem the day the internet came into existence and was publicly accessible by people. There have been many attempts to abate cybercrime, but there have always been newer forms coming in. Also, there is a lot of research going on in forensics using computer science. What we expect from you here is that you come up with a creative solution by targeting and trying to eliminate one of the many crimes of the internet, or come up with some solution that could help in cyber forensics

1. Online education

We are now seeing a sudden shift in the education industry, a huge move to move towards online education. The dream of online education has not been fully realised yet, because it is not accessible to the economically weaker sections of the society. There are multiple problems that we face in imparting online education, and we expect you to solve one or more problems with your hack

1. Intelligent transportation system for smart cities

Traffic in India is unruly. The pandemic will change the way people travel in the future within their city. There are multiple smart solutions that can be developed, which solve a lot of problems faced in transportation. You have to come up with a creative solution which can help control/help the transportation in a city. This tool can either be accessed by the general public or by some specific people trained to use them

1. Smart power-grid management system

There has been a surge in electricity usage all over India and the world. People have been staying at home for the majority of the day and are consuming a lot of electricity. Our power grids are not yet capable of handling such a situation, and everyone is experiencing frequent blackouts, including the blackout which caused the entire city of mumbai to come to a standstill. We expect you to come up with a solution that can help intelligent power distribution, which can prevent blackouts and will prevent a surge in the main power-grid.