



# HACKATHON

**ON ROAD SAFETY**

**CODE FOR SAFER INDIA**



**17th-18th December  
8 AM onwards**



**LHC, IIT Delhi, Hauz  
khas, New Delhi**

Organised by



#MakingRoadsSafer

<http://road-safety.co.in/hack/>

# WHY ROAD SAFETY

17



17 DEATHS CAUSED DUE TO ROAD ACCIDENTS EVERY HOUR



4



4.07 LACS CRORE COST TO INDIA DUE TO ROAD CRASHES ANNUALLY



46



46 CHILDREN LOSE THEIR LIFE DAILY ON OUR INDIAN ROADS



9



ROAD INJURIES IS IN TOP 10 CAUSES OF DEATHS IN INDIA

50



50 LACS+ WERE SERIOUSLY INJURED OR DISABLED IN THE PAST DECADE

400



400 ACCIDENTS CAUSED DAILY, MORE THAN THAT CAUSED BY BOEING CRASH

# Toyota Hackathon: Code for Safer India

- Hackathon is being organised by Toyota in implementation by IRSC and is supported by IL&FS. It aims at developing implementable solutions in form of a digital solution to promote road safety and reduce the frequency and effect of road accidents or for detecting frauds.
- For this, we want to utilize the intellect and ideation capabilities of the school students of India. Our long-term goal for the Hackathon is to launch implementable products/solutions into the market stream that solve some prevalent problem.



IDEA

CONNECT



SOLVE

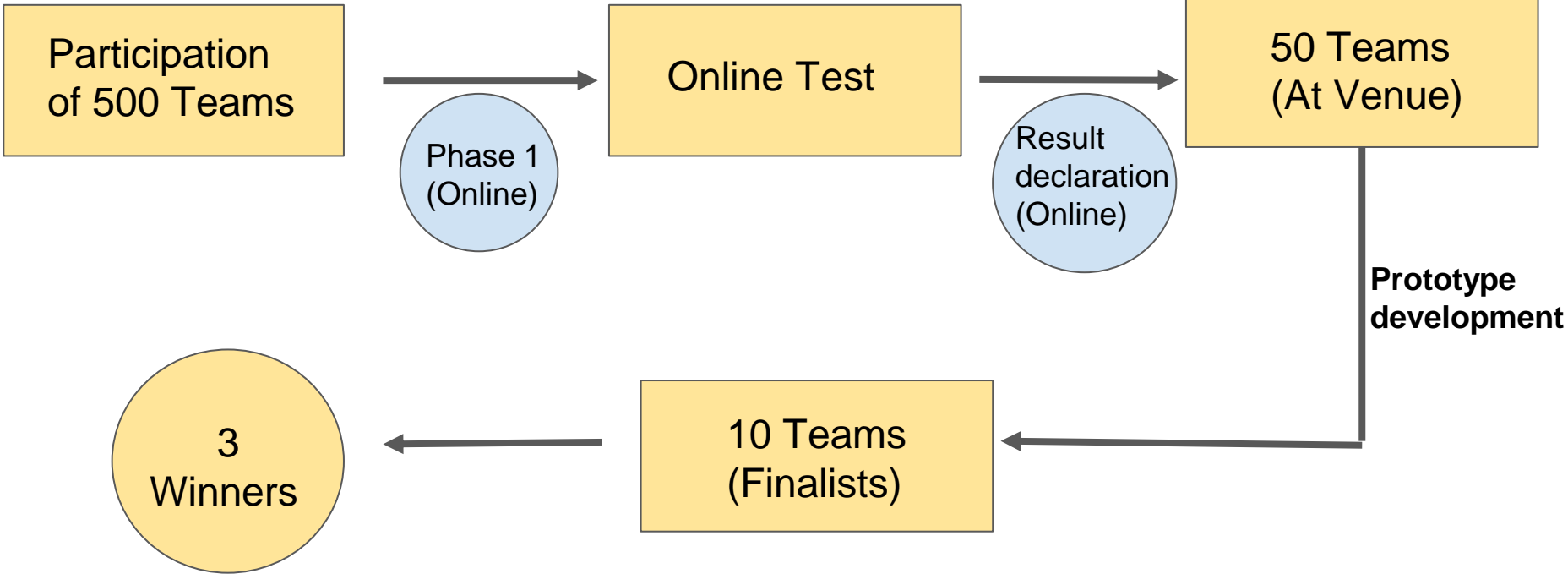
PRESENT



# PROBLEM STATEMENTS:

- **Driver Behaviour:** Here, we aim to target both domestic as well as commercial drivers. Such improved techniques and assistive technologies can prove to be very beneficial in bringing down the number of accidents.
- **Road Conditions:** We find bad road conditions to be one of the most difficult problems to tackle with an on-ground implementation because of the cost, labor, and logistics required. Hence, we shall be looking for some feasible technological or digital solution so as to monitor and handle such problems efficiently.
- **Fraud Detection:** Usually, more accidents are caused by rookies and unauthorized drivers. It is sought that some technology may be employed to make the task of analyzing and detecting frauds on the roads is made easier. Here, frauds include underage drivers, drunk driving, drivers without appropriate licenses, etc.\*

# HACKATHON LAYOUT



## ***Phase 1***

A basic online shortlisting test will be conducted for all the students of class 9th, 10th, 11th and 12th of Delhi/NCR schools.

**Venue:  
LHC, IIT  
Delhi, Hauz  
Khas, New  
Delhi**

The finale will include technical and interactive lectures on road safety to teach some basic technical skills. The teams will be given 21 hours to work on any of their idea and come up with the prototype or formulate a concrete idea on whatever they were working on.

## ***Phase 2***

# Prizes to be Won

- All student will get an event participation certificate
- All finalist will get T-Shirts and other Merchandise
- A guided tour of IIT Campus
- Top 10 teams will get a chance to present their idea in front of dignitaries from different field
- Top 3 projects will be mentored for coming 6 months and a trip to Toyota office next summer

