S4DS
Innovation
HACKATHON 2020

SDS
SOCIETY FOR DATA SCIENCE

Theme: Data Science for Better Society ! !

TOPICS:
* SMART COMMUNICATION
  * HEALTHCARE AND BIO-MEDICAL DEVICES
  * AGRICULTURE AND RURAL DEVELOPMENT
  * SMART VEHICLES
  * ROBOTICS AND DRONES
* DATA SCIENCE IN EDUCATION AND EMPLOYMENT

PRIZES : 1ST PRIZE: RS. 50000
2ND PRIZE: RS. 30000
3RD PRIZE: RS. 20000

Opportunity to get the top 3 ideas incubated

Preliminary Round – (Abstract submission)	Till 31st August, 2019 https://icdmai.org/s4ds_innovation	**HOST PARTNER**
Qualifying Round – (Hack)	15th October, 2019 GNIT, Sodepur, Panihati, Kolkata	GNIT
Final Round – (Post Implementation)	17th January, 2020 United Services Institute (USI), New Delhi	Registration fee: Rs. 2500/team
Register at –	http://www.icdmai.org/s4ds_innovation	

COME.... BE A PART OF THE MOST AMAZING HACKATHON OF THE YEAR

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SOCIETY FOR DATA SCIENCE

Regd.No.: MAH. 190 / 2018 / Pune

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SDS SOCIETY FOR DATA SCIENCE

S4DS Innovation Hackathon 2020

ABOUT

S 4 DS INNOVATION HACKATHON

The most important thing about data is the piece of information embedded in it. Data-driven science is dedicated to make sense of data by extracting knowledge and finding trends or patterns amid all the noise. S4DS Innovation hackathon is a nation-wide event where students are encouraged to get together and work on data-related projects to harness their creativity and potential. It gives a platform to innovative minds to present their analytical skills towards the betterment of society and effective governance. This innovation hack meet motivates the budding professionals to intertwine social impact and technology for building innovative solutions for our society.
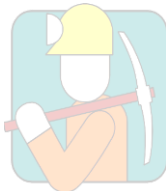
DATA SCIENCE INNOVATIONS

The most pressing issues to affect advanced analytics—including explainability for deep neural networks and complicated classic machine learning models, accuracy of transparent machine learning algorithms, and the enormous amounts of data required to train cognitive statistical models—have resulted in data science. This presents a tremendous scope for creative minds to explore the vast world of data science. Hence, *S4DS Innovation Hackathon* provides a platform to showcase the analytical skills. The participants Analyze, Develop, Innovate, Network and Grow with S4DS.

Analyze	**Develop**	**Innovate**	**Network & Grow**
Analyze the data to get an Insight to solve a social problem	Create a Mentor-Mentee ecosystem to develop a Model or Prototype	Collaborate to build an innovative data science solution for better Society and governance	Meet participants, delegates, experts to expand your network. Grow by gaining experience and exposure to the real time problems and solutions.

TOPICS FOR S4 DS INNOVATION HACKATHON

Smart Communication

Healthcare and Bio-Medical Devices

Agriculture and Rural Development
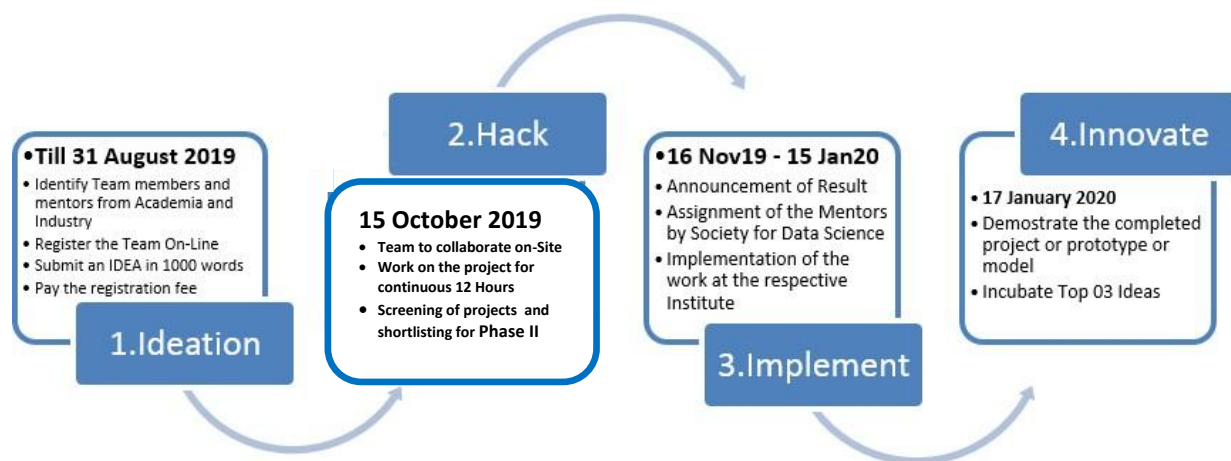
Smart Vehicles

Robotics and Drones

Data Science in Education and Employment

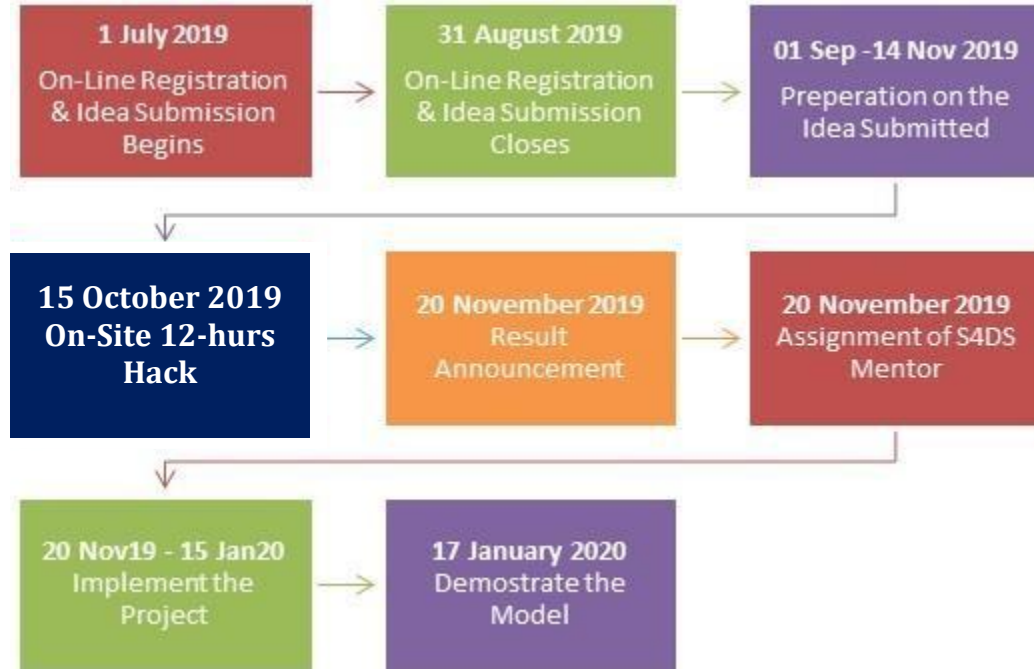## PHASES OF S4 DS INNOVATION HACKATHON 2020

S4DS Innovation Hackathon 2020 is a 2-phase On-site hackathon.

The entire process can be further divided into 4 sub phases.

TIMELINE OF S4 DS INNOVATION HACKATHON 2020

1 July 2019 On-Line Registration & Idea Submission Begins	**31 August 2019** On-Line Registration & Idea Submission Closes	**01 Sep -14 Nov 2019** Preperation on the Idea Submitted
15 October 2019 On-Site 12-hurs Hack	**20 November 2019** Result Announcement	**20 November 2019** Assignment of S4DS Mentor
20 Nov19 - 15 Jan20 Implement the Project	**17 January 2020** Demostrate the Model	

PRIZES OF S4 DS INNOVATION HACKATHON 2020

1st Prize: 50000.00

2nd Prize: 30000.00

3rd Prize: 20000.00

03 Top Innovative Ideas would be incubated

REGISTRATION FEE

The registration fee for each team is Rs.2500

RULES FOR S4 DS INNOVATION HACKATHON 2020

The following are the rules for participation in Hackathon 2020:

1. **Group Size:**
   - Maximum 5 students
   - 2 Mentors (one from academia and other from industry)

2. **Group Constitution:**
   - Students from any academic year
   - Students from diversified specialization (computer, electronics, mechanical, chemical discipline, etc.)
   - Out of 5 students there should be one student designated as team leader.
   - The mentor from academia should be nominated by Principal / Director and be designated as SPOC.

3. **Rules and Regulations:**
   - Any communication towards the S4DS Innovative Hackathon should be carried out by SPOC.
   - Group participation must be confirmed by SPOC only after submission of Proposal /Idea in the prescribed format.
   - One SPOC can represent one team only in case of multiple teams from same institute. This applies to mentors from academia and industry as well.
   - Teams need to work on an innovative idea
   - Usage of libraries, frameworks or open source/ outsource code in the respective projects is permitted.
   - Working on a project before the event and open sourcing it for the sole purpose of using the code during the event is unethical and against the spirit of the event, hence not allowed.
   - Adding new features to the existing idea is acceptable provided that the previously submitted ideology still remains unchanged. However, the team needs to submit a Disclaimer stating the same.
   - The team should just not develop a mobile based app but must also work on hardware and software.
   - The participants are responsible to make sure they are carrying all the necessary hardware and software dependency to demonstrate their project. S4DS Innovative Hackathon will be responsible for providing the basic infrastructure for the event.
   - The final outcome/presentation will not only be judged on technical aspects but also considering innovative and feasible aspects.
   - The decision of the judges will final and abiding.
   - The team who fails to report to the venue on the day of event will be termed as disqualified.
   - The team who fails to submit its completed idea will be termed as disqualified.
   - It is at the discretion of the organizers to disqualify any team who is found violating the rules or indulged in any kind of misconduct.

Note: All team members need to be present at the event.

Disclaimer: Society for Data Science assures the privacy with respect to the submitted ideas. The idea submitted by the team will not be disclosed or sourced to any third party apart from the participating team itself and the management.