Xerox Research Innovation Challenge

http://xrci.xerox.com/xerox-research-innovation-challenge

Are you excited by challenging data science problems?
Are you interested in solving some of the pressing healthcare problems in today's world?
Xerox Research Innovation Challenge is the right platform for you!!

Xerox Research Centre India (XRCI) is calling all Data Science enthusiasts to participate in the Research Innovation Challenge. The Challenge is an unprecedented competitive forum to design innovative models and algorithms for real life analytics problems, have fun and win exciting prizes. Entire challenge will be conducted in multiple phases, beginning with a Data Science Challenge, moving to a preparatory school on Machine Learning hosted at XRCI, followed by a grand challenge (phase 3) to design novel machine learning models and algorithms for big data in healthcare.

How is the entire challenge structured?
Entire structure of the challenge is distributed into 3 phases. Phase I will be the Data Science Challenge, Phase II will have a machine learning school and Phase III will have the grand challenge. Data Science Challenge will be a qualifier for next 2 levels.

Who can participate?

- All PhD, masters and senior undergraduate (3rd year and above) students from Indian universities are invited to participate. You don't necessarily come from computer science background, if you have taken CS course and know tools and techniques for machine learning, you can participate.

What is Data Science Challenge?
This is a qualifier round to select students for next phases of the challenge. Details of the challenge is given below.

- Students can form teams of up to 3 members for participation (we do not encourage teams of less than 3 members).
- Top 10 teams of this challenge will be hosted at XRCI for 3 weeks for the Winter School and Grand Challenge.
- Dates: October 12 – 25, 2015
- Duration: 2 weeks

Where do I have to register?
Challenge is hosted at HackerRank and registrations are open at:
https://www.hackerrank.com/xerox-research-innovation-challenge-2015

What do you get?

- If you are among the top 10 teams of this challenge, we will host you at our center for 3 weeks in December to attend a preparatory school on Machine learning and participate in the Grand Challenge.
- You will get the opportunity to learn about the latest tools and techniques for Big Data Analytics and research advancements in Machine Learning through the Winter School. The school will have tutorial talks by invited academicians and XRCI scientists addressing both theoretical and practical aspects of Machine Learning.
- We will cover travel and housing for all the participants and pay a stipend of Rs. 20,000 during this period.
- Once you complete the school, we will provide you with the real-life healthcare data. Your task will be to analyse the past data of patients and design novel machine learning models and algorithms that can predict complications before they occur. These models can be used to provide alerts to clinical staff and identify high—risk patients in hospitals in order to provide better care and save patients' lives. **Isn't it exciting?**
- **The Winners of the final round will receive:**
    - A MacBook for each member of the winning team and an iPad for each member in the Runner-up team.
    - Invited Participation at XRCI Open 2016 and Internship opportunities at XRCI
    - Opportunity to publish the results with XRCI scientists in top-tier international conferences/journals

What do you expect from Machine Learning School?

- The school will present a breadth of topics ranging from fundamentals of Machine Learning to state-of-the-art research and applications to Big Data Analytics. It will have talks by invited academicians and XRCI scientists addressing both theoretical and practical aspects of Machine Learning. We are putting together a strong technical program for this school, and detailed program will be made available very soon at: http://xrci.xerox.com/xerox-research-innovation-challenge