



SAVE
THE
DATE

6th Dec 2019

A PRIZE
MONEY OF
Rs. 150000
to be won

HACKATHON 2019

EVENT DATE

6th Dec 2019

VENUE

Clarks Exotica, Devanahalli Road, Hollywood Junction,
Sadahalli Post, Swiss Town, Bengaluru, Karnataka 562110

SCHEDULE

9:00 AM to 4:30 PM

Problem statement for Hackathon:

Write an ADR (**Automatic Defect Recognition**) algorithm for identifying the defects in "CT(Computed Tomography)" images. Detailed problem statement will be shared to all confirmed participants prior to the actual event.

PARTICIPATION DETAILS:

1. Only team participation allowed, maximum team size: 4 participants, minimum: 3 participants.
2. Total coding time will be 4 hours.
3. **Prize money for winning team - 1.5 Lakhs.**
4. Overnight stay will be provided on 5th December, if the participant is not from Bangalore.
5. Transport fares will be reimbursed to the participants which includes cab & air fares at capped prices.

2019 BH NDT HACKATHON ENROLLMENT

Description:

The BH NDT Hackathon Series was started by BH Inspection Technology with one goal in mind: To develop opportunity and capability to make the invisible visible.

What started as a way for creators to connect and move their ideas forward turned into an industry evolution. No matter what the platform, the technology or programming languages used, innovators come from all around the world to join forces to elevate themselves and their platform to revolutionize the industry and it all starts with Hackathon.

CHALLENGE:

Five mandatory problems will be defined. Challenge yourselves and your entrepreneurial spirit to innovative without limits, and solve these industry problems.

WHO CAN PARTICIPATE:

Everyone is welcome. Great ideas stem from discussion, and we believe the best discussions are started by talking to anyone else whose background or experiences might be differed from your own. Therefore, we invite all startups, developers, entrepreneurs, and designers who are passionate about creating to join regardless of experience level, geographic location, or other factors.

RECOMMENDED ABILITY

Knowledge in Image processing, AI, Big data analysis.

Programming skills with one or more languages like Python, C++, C#, Java, and etc.

RULES:

1. Fresh Code – We all start coding at the same time. It's cool to work on designs beforehand, digital mockups, open source frameworks, and anything else available to everyone.
2. Code Review – Winning teams may be subject to a code-review at some point following the event or immediately before winning. This is to ensure that all code used is in fact fresh.
3. You may use any pre compiled open source and publicly available libraries. However any fresh code has to be written onsite.
4. Ownership and IP – You own your IP and whatever you create.
5. Team Size – No more than 4 team members.
6. Demos – Each team will have 5 minutes to demo the functionality of the project and talk through the idea, and 1 minute for Q&A from judges.

THREE CATEGORIES OF IMAGES ARE PROVIDED, AND DEFECT TYPES ARE DEFINED:

1. Void – Detect all voids with correct percentage in the provided images.
2. BGA – Detect all BGA balls
3. BGA void – Calculate void percentage for each BGA ball
4. Wire – Detect all wires in X-ray images
5. Wire Measurement – Calculate wire curvature, wire distance, distance between two wires

For Registration & queries, please contact us at

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