

# 2<sup>nd</sup> Inter-IIT Technical Meet 2013-14

## Software Development

### Phase I

#### Challenge

Solve a local problem around you/your society. Participants can pick any of the below problem or identify one on their own - as long as it addresses a genuine local issue.

- Women safety
- Availability and accessibility of healthy food and clean water
- Child labour and Right to Education
- Infrastructure and Sustainable development
- Transportation and Road Safety

#### Requirements

All the contest entries must use at least one product from below Intel Software offerings:

- Touch and Sensor Application Development  
<http://software.intel.com/en-us/articles/ultrabook-and-tablet-windows-8-sensors-development-guide>.
- Intel Android NDK  
<http://software.intel.com/en-us/articles/android-ndk-for-intel-architecture>.
- Intel XDK  
<http://html5dev-software.intel.com/>

Participants must build their applications for either Windows or Android Platform that runs on Intel Architecture.

#### Evaluation Criteria

Parameters	Weightage
Concept	15
Impact	50
Execution	20
Feasibility	15

#### Rules and Regulations

- The size of the team is limited to 2 members.
- A maximum of 2 teams are allowed to participate in the competition.
- The team must upload the application to respective app stores and submit the URLs at the phase 1 submission.
- The team must create either a video or blog post about the application and submit along with the phase 1 submission.
- The reach of the application will be a criteria in evaluating the social impact generated by the idea.

#### Important Dates

Phase I deadline is 20<sup>th</sup> **December 2013**. Winners of the phase I will be announced by 25<sup>th</sup> **December 2013**.

## Phase II

### Challenge

The phase II challenge will be announced on the day of the meet and will be conducted in IIT Bombay. The proposed competition plan is to take the software product development from a computer lab to an outdoor environment which provides live feedback, suggestions and the requirements that the product needs to satiate.

During the two days of the meet, the participants would be provided with the challenge on one day and the final presentation of the idea developed on the next day.

This stage of the competition would comprise of :

- Identification of the problem statement, target audience, personas, etc.
- Interaction with the target audience - resource gathering and solution building.
- Verifying and Redesigning prototypes with the target audience - alpha testing
- Get people to use the solution - user base acquisition

### Requirements

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- Intel XDK  
<http://html5dev-software.intel.com/>

Participants must build their applications for either Windows or Android Platform that runs on Intel Architecture. All the machines will be provided by Intel along with required tools to develop/design solutions – Latest Intel Ultrabook 2-in-1s have 6+ hrs of battery backup. All the participants will receive Internet dongles along with Intel Software SWAG which will have required resources to complete their task.

### Evaluation Criteria

Parameters	Weightage
Concept	15
Impact	50
Execution	20
Feasibility	15

### Important Points

- Phase I can be regarded as a practice phase for phase II, to get acquainted with the provided software tools.
- Phase I has a weightage of 40 percent and phase II, which is on-the-spot competition has a weightage of 60 percent.
- The panel of judges would comprise of software professionals from Intel and professors from IIT Bombay.
- The phase II of the competition will be related to social or local innovation.

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