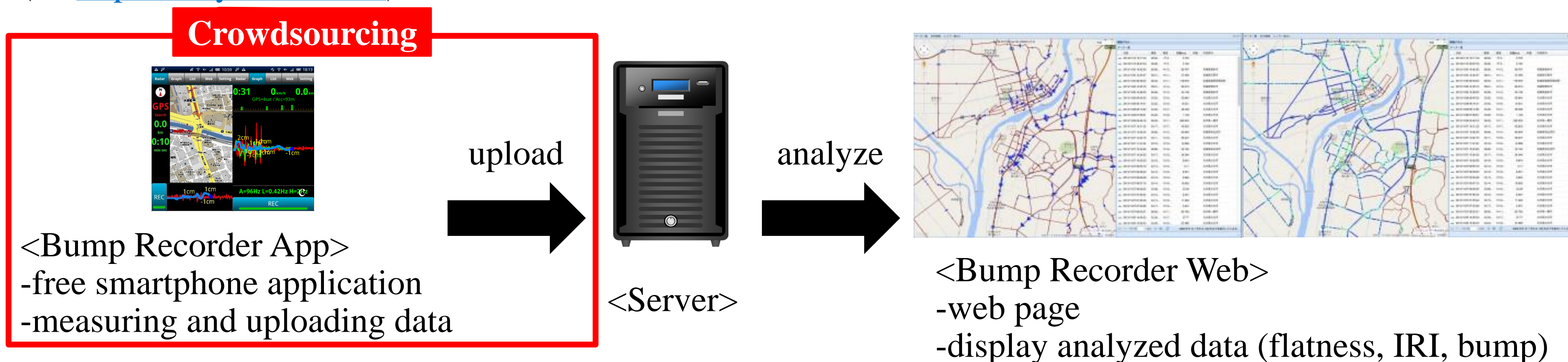# <Part-time worker wanted!>
# Collecting data of road conditions in Dhaka using Bump Recorder

**Yusuke Kinoshita (yusuke-k@iis.u-tokyo.ac.jp)**

## Project

**Observation of the irregularity state of the road surface by Bump Recorder**

Bump Recorder is a system service to observe, display, share the irregularity state of the road surface.
(cf. http://bit.ly/1nnECRR)



**Crowdsourcing**

<Bump Recorder App>
-free smartphone application
-measuring and uploading data

upload → <Server> → analyze

<Bump Recorder Web>
-web page
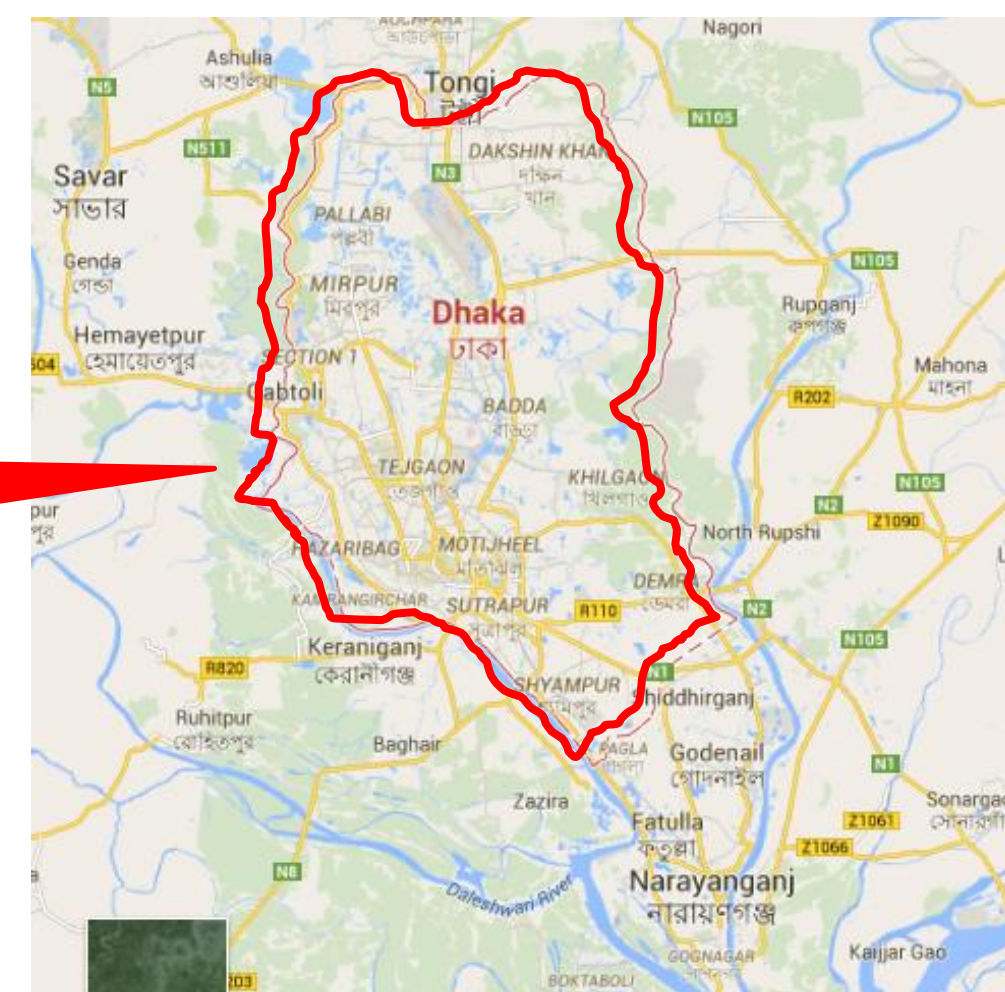-display analyzed data (flatness, IRI, bump)

## Request

Time period : ~ 2015/01/18 (finish as soon as goal achievement)
The number of participants : First 50 Applicants
Goal : Collecting totally 10,000 kilometers data of roads in Dhaka City

Only This Area
※ No payment for uploading data of other area
※ Dhaka city means from Tongi to Jatrabari, from Aminbazar to Gabtoli.



**Tasks : 1. Installing Bump Recorder App in your Android smartphone**
**2. Collecting data of roads in Dhaka by driving your car using Bump Recorder App**
**3. Uploading your collected data to the server of Bump Recorder**

Condition : having an Android smartphone which can collect and upload data using Bump Recorder
having a car and a driver's license

Payment : 80 TK / 1km (We check each applicants' driving status from Bump Recorder web site)

※ There is the possibility that a bonus will be paid for uploading data of the area where and the time period when the amount of data is small.

<How to collect data by driving your car using Bump Recorder App>



Please put your smartphone on the dashboard of your car

< smartphone holder >

< gel mat >
(anti-earthquake)

Please put your smartphone on the dashboard of your car and fix your smartphone vertically or horizontally to the road surface using a smartphone holder or a gel mat (anti-earthquake) commercially available.
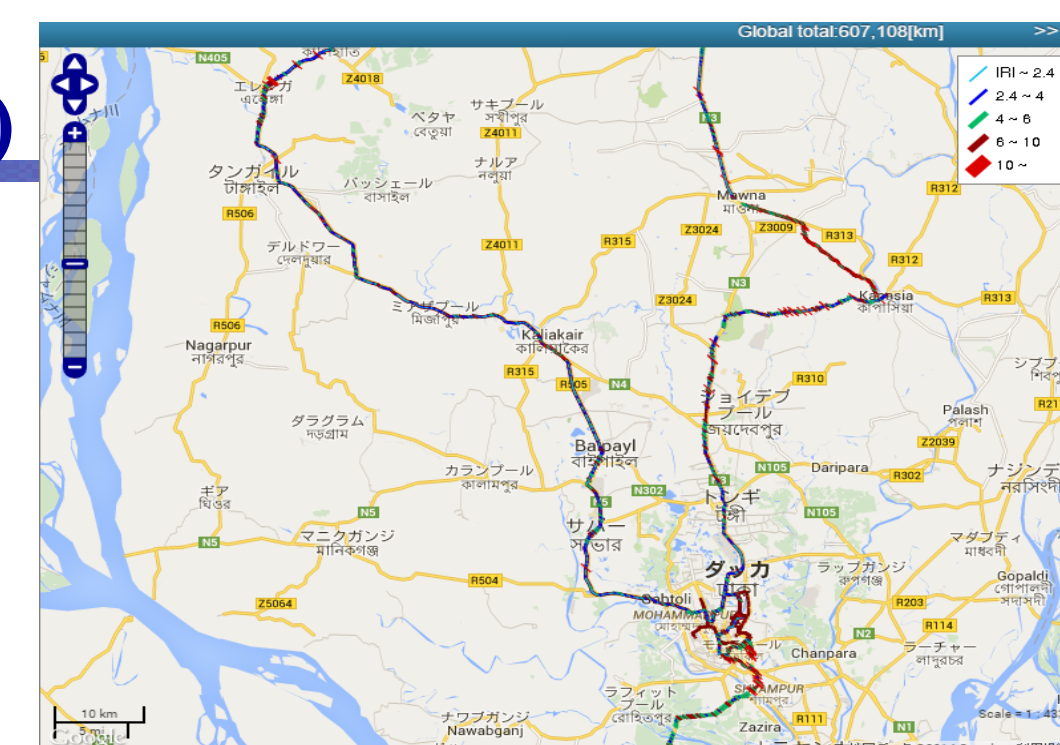
### Result of preliminary experiment (Collecting data with 6 students at BUET)

Time period : 2014/09/01 ~ 09/30
Goal : Collecting 500 kilometers data of roads in Dhaka
Result : Collected 607.1 kilometers data of road in Dhaka
Payment : 80 TK / 1km



Please access the homepage of our project (http://sekilab.iis.u-tokyo.ac.jp/exp/ ) to want to know the details!