

Title: Upscaling UM Survey: Application of Android-based questionnaire with GPS

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ABSTRACT

One of the major activities in a research is the collection from a survey. It defines and summarizes the answers made by the respondents. Through these answers, the decision-making of a particular sector or field could be achieved because people in a particular area who are involved and have stated their thoughts and opinions. With the advancement of technology, conducting surveys would be easier and more reliable for different institutions particularly the University of Mindanao – Research and Publication Center. Currently, the UM-RPC does its surveys with papers and pens. Survey conductors or who they call numerators go to specific areas, interact with people and conduct surveys. For them to have an easier, convenient and more reliable data collection, the group decided to make a system that would help them achieve these. An upgraded and automated process is presented. This process includes a web application and a mobile application. The web application serves as a survey bank. All the survey questions, numerators and devices used will be loaded in this procedure. Once the questions have been loaded and activated, it will be available for download. On the other hand, the mobile app serves as the survey form that will be used during survey.

The questions loaded will be downloaded and is ready to be filled up by respondents. Another feature of this app is its ability to specify the locations of where the survey is conducted for it has an offline GPS. With this, it is assured that the survey is tracked and really conducted at the designated area. After the respondents answer the questions, it will be uploaded back to the web application together with the answers.

Keywords: Survey, Data collection, GPS (global positioning system), Mobile technologies, and the developing world