

<b>UTC Project Information</b>	
Project Title	Development of a Mobile Computer Application for the Process of Data Collection and Data Sharing for Vehicle Accidents
University	University of Puerto Rico at Mayagüez
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Funding Source(s) and Amounts Provided (by each agency or organization)	TransINFO UTC: \$98,334 UPRM Match: \$36,693
Total Project Cost	135027
Agency ID or Contract Number	Fed. Contract Number: R881384
Start and End Dates	9/30/13 -9/30/17
Brief Description of Research Project	<p>This research study will address the deficiencies in efficiently, effectively and reliably collecting and disseminating data from motor vehicle accidents in Puerto Rico by developing a mobile computer application for documenting and sharing data regarding vehicular accidents. The developed application will benefit the police workforce, the Puerto Rico DTOP, and higher education institutions by providing the means to collect accident data accurately and making it available for further research . The detailed objectives are:</p> <ul style="list-style-type: none"> <li>• Determine relevant data needed from accident reports and the key features of this data. This first step will help in the creation of reports, the development of the database and the proper transfer of the data to other interested agencies.</li> <li>• Conduct an extensive literature survey on off-the-shelf equipment, and available software platforms for the development and deployment of the mobile application.</li> <li>• Select the proper architecture for the mobile application software and reporting system. The initial system will be deployed at a small-scale; however the design must be scalable.</li> <li>• Develop a mobile application that will substitute the police report that is filed in the field when a vehicle accident is reported.</li> <li>• Develop an accident data sharing system among the interested parties (i.e. local police station, central police station, Puerto Rico DTOP, and higher-education institutions). The collected data and reports could be available to the general public.</li> <li>• Use data mining algorithms on the collected accident report data to develop transportation informatics.</li> </ul>

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none"><li>• Reports</li><li>• Project website</li></ul>	<p><a href="http://www.buffalo.edu/transinfo/Research/MobileAccidentDataCollection.html">http://www.buffalo.edu/transinfo/Research/MobileAccidentDataCollection.html</a></p>