

Project Details: NAeG/14-15/00005

Project id -	NAeG/14-15/00005
Name of The Project	Mobile Census Enumerator Sikkim
Category of Award Applying for	Innovative use of GIS Technology in eGovernance
Date of Launch	15-06-2013
Summary/Objective of the project	<p>The Challenge DESM&E required a solution that allows the department to capture census data for the state of Sikkim. Be able to accurately capture and track the progress of the census field enumerators. A system that could help the department scientifically allocate numbers to all the buildings in the state with its occupants and household details. The Solution The platform we built is flawless in the management of data. The solution has two major components: Mobile tablet enumerator application and a BigData server. We built a census capture platform that has a Mobile Tablet Enumerator application, a Data Management Server, and a Reporting Server with full User and Role permissions. Tasks are assigned to enumerator by sector or GPU basis. The mobile application captures all relevant census information GPS coordinates. The system allocates house numbering as part of a new initiative by the Government of Sikkim. The Innovations The Tablet based Mobile enumerator application allows the enumerator to seamlessly capture all relevant census information, GPS (lat/long) for the building and a photo of the building. The application works both online and in off-line mode in order to cover geographies that do not currently support 2G/3G Network Connections. The officers of the department needed to be able to sift thru volumes of data quickly. The server side application is optimized to handle many simultaneous connections from the Mobile End Points by utilizing an asynchronous queuing system based on REST APIs. The first BIGDATA solution in Government of Sikkim</p>
Beneficiary of the project	Citizens & Government of Sikkim
Details of Project Head	
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Designation	Founder
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Details of team members, if any, other than Project Head:-	
Name(1st team member)	Dennis Panth
Designation(1st team member)	Developer
Name(2nd team member)	Ravi Pradhan
Designation(2nd team member)	Developer
Name(3rd team member)	Andrias Tamang
Designation(3rd team member)	Developer
Name(4th team member)	Mahadav Bhattarai
Designation(4th team member)	Developer
Name(5th team member)	Deepak Ramachandran
Designation(5th team member)	Lead Consultant
Name(6th team member)	
Designation(6th team member)	
Supporting documents:-	<p>Award Specific Form</p> <p>Self Certification by the Project Head</p>