

# Web Application for Field Accident Reporting: a Case Study of Land Surveyors in Ghana

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## SUMMARY

There are a lot of accident reporting software and applications mostly focusing on the Mining, Construction, Processing Companies and the Oil and Gas Industry. These Institutions regard Health and Safety (HSE) as a core value in their businesses operations and as such have mostly HSE officers seeing to that(Health and Safety Executive, 2004). Their mode of accident reporting usually focuses on their working environment alone. This study seeks to design a web application for Field Accident Reporting for Staff of the Lands Commission using Geospatial Technology. Firstly, this study talks about the works of Lands Surveyors and their important role in the socio-economic development of the country. For developmental projects, Land Surveyors are first to visit project site and last to leave the suite. Most of the works are carried out on the field. Secondly, there has been several cases of unidentified person or groups attacking Land Surveyors whenever they go to the field to work. These persons drive land owners away from their lands, destroyed buildings, beat and kill people in their bid to secure the supposed properties of their pay masters. The activities of above named persons render so many people homeless and drive away potential investors.

The problems Land Surveyors face on the field of work are discussed and most safety guidelines on the field is given. Subsequently the importance of accident reporting on real time basis is also discussed briefly and Geospatial Technology tool that has been used to design the application for field accident reporting.

This web application has been designed in an easy and user friendly way which will give the user some convenience and control over the application.

Real-Time reporting answers the following questions: What is trending on site, why and how? It allows appropriate authorities to quickly respond to and actively manage disorganized and dangerous situations on a minute-by-minute basis.

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