

## Assessing the Current State of Software Engineering and Information Technology in Ghana

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**Abstract :** Drawing on the current state of software engineering and information technology in Ghana, the study documents its significant contribution to the development of Ghanaian industries. The study focuses on the application of modern trends in technology and the barriers faced in the area of software engineering and information technology. A thorough analysis of a dozen of interviews with stakeholders in software engineering and information technology via interviews reveals how modern trends in software engineering pose challenges to the industry in Ghana. Results show that to meet the expectation of modern software engineering and information technology trends, stakeholders must have skilled professionals, adequate infrastructure, and enhanced support for technology startups. Again, individuals should be encouraged to pursue a career in software engineering and information technology, as it has the propensity to increase the efficiency and effectiveness of work-related activities. This study recommends that stakeholders in software engineering and technology industries should invest enough in training more professionals by collaborating with international institutions well-versed in the area by organizing frequent training and seminars. The government should also provide funding opportunities for small businesses in the technology sector to drive creativity and development in order to bring about growth and development.

**Keywords :** software engineering, information technology, Ghana, development

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