

Thesis Title :

Impact of construction site accidents on project performance

Abstract :

Occupational accident and injuries are becoming a global challenge in many areas of economic activities. The construction sector named top contributor to the tragedy and still holding the high number of accident cases around the world. Accident mitigation and establishment of security of employees or the general public are responsibilities of civil engineering practitioner.

In the Sri Lankan context, the developments of health and safety and wellbeing of employees are still developing. Major overhaul of the legislative scheme or conceptual topping up of safe working practices is becoming a timely need for preventing the loss of lives of an effective workforce.

Studying of the root causes and proper conceptual framework with the prediction capabilities of accident risk by observing existing construction practices shall be investigated using the Bayesian inference concept based practical approach. The conceptual framework will be equipped to utilize the most up to date information as well as the continuous improving ability.