MSc Project Report

Wild Elephant Attack Detection

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Abstract

The Asian elephant has had the closest contact with humans of any animal that has survived in the wild. A deadly war between humans and elephants, each striving for existence, has resulted from the major dangers and dangers that the Sri Lankan elephant population is currently experiencing. Elephants start to rely on crop-raiding for survival as human settlements push them out of their usual home ranges and into environments with few resources. As a result, they become accustomed to conventional elephant deterrent methods, including crop guarding, fire, easy barriers, firecrackers, and dummy food. The villagers then turn to increasingly cruel deeds. To protect their lives, crops, and property, locals have increasingly resorted to cruel methods such as shooting elephants.

To avoid these circumstances, we need to come up with good and reliable technology to stop those elephant attacks and save lives. Making the custom object detection model and identifying the elephant attack mode will be the best option that can reduce this conflict.