

Smart Signalling System for Elephant Crossing on Railway Track

Over the past few years, accidents involving wildlife animals on railway tracks have been increasing significantly and have been a topic of discussion creating a conflict between Indian forest department and Indian railways. Elephants are the most significant victims of these sorts of incidents. According to NDTV reports, over 53 elephants have died in past three years due to train collisions. In order to decrease these sorts of accidents, a signalling system has been worked on considering elephants' behaviour and their paths of crossing the railway tracks known as "ELEPHANT CORRIDOR". The system is low power consuming and has no effect on wildlife and may save lives of many animals also.

A working model of the system has been developed in the ME department by four pre-final year students under the guidance of a faculty member. The model exhibits satisfactory performance.

