Comprehensive Fleet Safety
through Video Analytics

An IoT Solution designed and developed indigenously
Using AI, Machine Learning and Deep Neural Networks

CardTec

Building relationship thru quality...

ABriefwriteup:

This is a state-of-the-art soluti n developed completely from ground up to provide a "Black Box" for heavy Trucks to ensure driver safety and fleet safety.

Trucks are fi ed d with muple cameras; IP Cameras facing Front, rear, driver etc. are installed in the trucks. The "Black Box" records multiple eams from the se cameras and book marks the videos with events and driver violati ns.

Events such as Harsh breaking, sudden acceleraton, sudden turns etc are read from on -board sensors. Driver violatons such as driving without seat belt, un-authorized driver (through face recogniton), mobile phone usage, fatigue etc are captured on-the-go by using Artificial telligence through Deep neural networks (DNN) and Machine Learning (ML) techniques on the Edge device ("Black Box").

The alert / violaton snapshots are sent to a comprehensive IoT Dashboard in real time an Video footages are also uploaded on-the-go using our advanced 4G/LTE Communicaton Ga teway. The footages can be analysed and sorted in multiple w ys using various built-in filters to help educate and improve driver behaviour and reduce journey risk.

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