

Land Encroachment Prevention Program (LEPP)

About the solution

LEPP is a machine learning based video analytics solution that automatically detects incidents of encroachment on land plots and restricted properties/areas. The system will create alerts in case an intruder enters the restricted areas. The alerts will be sent to the relevant authority/officials along with photographic evidence of the incident to prevent an incident and/or enable immediate action.

Key features of the solution

- Provides real time encroachment alert based on camera feeds installed at the land plots
- Assigns encroachments case ticket to the designated official
- Identifies different cases of encroachment such as humans, vehicles, structures, etc.
- The image of the encroachment is relayed to the concerned department through an integrated dashboard and mobile app
- A notification is sent in real time based on established principles to the concerned department for further action
- An admin dashboard is provided that can be used to view all notified cases of encroachment along with status of the ticket raised against each of the violations.
- Admin can alert concerned officials through mobile app and dashboard, so that appropriate corrective action might be undertaken

Benefits of the solution

- Authorities get informed about an intrusion in real time
- Helps officials plan their visits as per the alerts
- Minimizes the hassle of eviction as intrusion is detected at an early stage
- Reduces need for regular visits and constant monitoring
- Facilitates data driven planning and management