➢ Abstract :

The rate of crime is rising daily, and criminals are finding that weopens are the most appealing targets. In a busy area, it is nearly impossible for police to apprehend weopens. Manual methods of visual surveillance are inefficient. However, our solution methodology entails training a generalized AI model YOLOv8 for weopen detection. YOLO has become a central real-time object detection system for robotics, driverless cars, and video monitoring applications. This empowers real-time data analysis, targeting crowd management, crime prevention by detecting suspicious objects. Through a systematic literature review of various papers published in the last decade related to weopen detection are based on machine learning frameworks specifically YOLO technology used to detect objects in a real-time feed. YOLOv8 a generalized model is trained on above 3000 images per class. Furthermore, from a few market surveys and in an aspect of commercialization, the demand for smart CCTV surveillance systems is steadily growing. In a conclusion this software system can be deployed in other sensitive public areas like bus stations, airports, banks, malls, schools and colleges, urban streets, etc. Ensuring widespread adoption while respecting privacy rights, assuring improved crowd management, enhanced safety.