

**Project Design Phase-I**  
**Proposed Solution Template**

DATE	5/11/2023
PROJECT TITLE	YOLO with weapon detection
TEAM ID	Team-592614
MAX MARKS	2 marks

**Proposed Solution Template**

S.NO	Parameter	Description
1	Problem statement	Increasing violence demands a swift and accurate weapons detection solution. Existing methods are slow and error-prone, jeopardizing public safety. The 'ARMING against violence' project seeks to employ YOLO-based technology for rapid and precise identification of weapons, aiming to enhance security measures and prevent potential threats effectively.
2	Idea/ solution description	ARMING against violence utilizes YOLO technology for instant and precise weapons detection. This innovative solution empowers law enforcement with real-time threat identification, ensuring swift and effective response to enhance community safety.
3	Novelty/uniqueness	This is delivering instant and precise weapons detection. This novel solution ensures a rapid response to threats, setting a new standard for proactive public safety.
4	Social impact	It significantly reduces the risk of violence, providing a sense of security for citizens. The project's commitment to proactive threat prevention ensures high customer satisfaction, contributing to a safer and more resilient society.
5	Business model	ARMING against violence operates on a subscription basis. Clients pay a regular fee for access to YOLO-based weapons detection services, ensuring continuous support, updates, and customized solutions. This model ensures ongoing security and peace of mind for subscribers.
6	Scalability of the solution	ARMING against violence is highly scalable. The YOLO-based system can adapt to diverse needs, from individual facilities to expansive urban areas, ensuring effective security measures across various scales.