



Tackling Terrorism

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ABSTRACT

Terrorism has become a nuisance for all the citizens of the world especially since the terrorism has taken the form of suicide attacks; this is a phenomenon that can not be dealt with force. imagine a person so motivated that he or she is not afraid to die will eventually end up causing massive destruction. Here in this paper we discuss the possibilities that can be used to reduce this threat as much as possible this includes from detection and prevention to reduction of loss of lives we will also see that in such event what else can be done to mitigate the chaos.

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2. INTRODUCTION

As we all know that terrorism is abhorred by any civilized society, it is a sort of pest that leads to utter destruction and ironically along with that its prevention is also difficult. We have seen throughout the history how religious fanatics use the holy name of religion to perpetrate their devilish schemes; we have examples of crusades that lasted for 200 years leading to mass massacres and sheer destruction of people and cities respectively. we saw how religiously motivated crusaders traveled many miles for months they faced hardships and starvation all to please God .they were provoked by some of their powerful religious figures who promised them castles in heaven and a luxurious after life they use to preach violence and say that "To wash your sins you must kill Infidels" (they use to call Muslims

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infidels). After years of wars in the name of God people realized that this is all political and not religious and the result of that was segregation of church from politics. Christians recognized that no God can order massacre of innocent people and once the church got separated from politics peace prevailed. We can also see the rise of Muslims came when they adhered to their laws which strictly preach peace, even during wars prophet Muhammad (P.B.U.H) ordered his soldiers not to cut down trees or harm women and children. We saw how Muslims conquered Spain and ruled it for 800 years not through oppression but through love and equality we have example of Mughal emperors who ruled India and made great architectures that are still recognized and praised.

We have example of Turks and ottoman empire that use to be a power to recon with they build mosques and great architectures they conquered land and still that era is considered as one of the best periods of Muslims, Muslims were well ahead in astrology, medicine they were considered as great architects all that when Europe was going through its dark ages. Now its other way round most of the Muslim countries are target of suicide attacks and most of the fanatic terrorist groups are Islamic now the question arises how Muslims got here? From rulers and leaders of the world to terrorists, all this happened after most of the territories ruled by Muslims got out of their hand as Europeans and westerners evolved them selves from being ruled to rulers of the world they achieved that through research and learning. once Muslims got under the influence of Europeans instead of keeping up with science and technology some of the radical religious figures started preaching hatred and declared that who ever will learn European and western education will be detached from religion and brain washed people that learning English will make them infidels this was the beginning of the downfall and sarcastically generations after generations of Muslims went without proper education in science and technology while rest of the world was making breakthrough in physics and chemistry our youth was flying kites and breeding pigeons this lead to a massive gulf between the two civilizations and now the gap is so much that it will take us years to catch up with the rest of the world. we have to make a decision now that religion should be taken away from those who are perpetrating it according to their own wish distorting the very face of religion, instead of pen and paper in the hands of our youth we have guns and bombs our young are being brain washed to do suicide bombings in the name of God, we are losing our precious future almost every day to suicide bombings if a young attacker instead of blowing himself up incline towards education then he or she one day could become a valuable asset of the country. Here in this paper i will shed light on the potential possibilities that might be use to avert suicide attacks and if God forbids such an accident occurs then how to minimize its effects. we will look at UWB and its ability to penetrate walls and metal, also we will look at latest weapons that can be acquired to fight terrorism.

3. POSSIBLE CAUSES

There are different opinions according to people belonging to different walks of life some say that it is all because of foreign intervention, according to some suicide bombings are result of lack of education a big group of people say that it is a result of religious extremism. In-order to treat this problem we will have to first come to consensus about the actual cause behind these attacks, in my opinion no one can do this for money because money is of no use to him after dying and he will have no surety that money will be delivered to his family after his death, so in my opinion those who say "People do it for money" are wrong. Then usually it is said that it is foreign intervention then let me make it clear that foreigners never blow themselves up this trend is existent only in Muslim and Asian countries we have never seen any European or American blowing himself up or even threatening to do so. The only factor behind it is religious extremism that encourages and motivates people by telling them that all their sins will be neutralize and the only way to attain Gods forgiveness is to carry out such attacks by doing so they will be killing infidels and those who support those infidels (even if they are Muslims) they convince the simple and young mind to do so in order to get luxurious life in here after. We have seen that

most of the suicide bombers are from 16 to 25 years old, and we all know what attracts a young man, status, women and praise. to attract young men terrorists praise those who have already carried out such attacks they tell stories of heaven (as if they have been there) and mention beautiful maidens waiting for them in heaven, all this is religiously motivated like it or not certain individuals have taken religion in there own hands and all they want is perpetual wars with western society we have an example of Afghanistan where this is going on for the past 25 years. To get an inside of what people think are the causes of suicide bombings we did a random survey in the city of Karachi which is considered as one of the most educated and moderate in the whole country we asked that What do you think are the causes of suicide Bombings? This question was posed to random students of renowned universities we took 295 different samples with 463 options selected (some individuals selected 2 or more causes) off course 295 samples can never represent the whole population but it gave us an insight of what people think of suicide bombings

There were following options

- 1) Religious extremism.
- 2) Lack of education.
- 3) Foreign intervention
- 4) Those involve in it do it for money.
- 5) Oppression.

Similarly we asked 164 different students a question that Do madrasas (Religious Sanctuary) need reforms to curb terrorism? And there were two options given to them YES and NO.

Results:

The results that were obtained had mixed views related to terrorism; here in this section we will present those results in both tabular and graphical format.

Table 1
Depicting Total Options Selected by Unique Individuals.

Total Number of Unique Individuals	Number of Selections
295	463

295 different individual were given 5 mentioned options with a freedom to select multiple options. The result of which can be seen from the table 2.

Table 2
Showing 5 options given as a survey and number of times that they were selected.

OPTIONS	SELECTION
1) Religious extremism	114
2) Lack of education	121
3) Foreign intervention	138
4) For money	52
5) Oppression	38
TOTAL	463

Along with that another question was posted regarding the reforms in religious sanctuaries the results of which are shown below

Graph 1

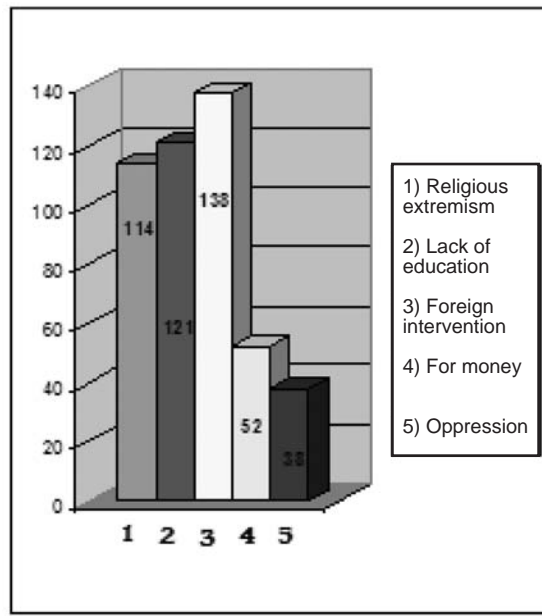


Table 3

Depicting Percentage of People in favor of reforms.

Do madrasas (Religious Sanctuary) need reforms to curb terrorism?				
TOTAL	YES	NO	YES%	NO%
164	126	38	77%	23%

As mentioned earlier that these questions were set in front of University students again it is just a drop in an ocean but it reflects the thought of a common educated man concerned about the horrors of terrorism.

4. PREVENTION & DETECTION:

We have already mentioned the use of UWB as something that can be used for detection of suicide bomber (Fauzan Saeed, 2008). With UWB, radio signals can penetrate Nearby surfaces while reflecting through surfaces that are farther away. This capability would allow radar-type applications to detect objects, such as people or weapons, behind walls or under surfaces this ability of UWB can be used for detection of Bombs under ground or behind the walls this concept can also be used to detect bomb vests worn by suicide bombers, as UWB has the ability to reflect objects that are at a distance. Now if we use UWB in conjunction with EMP we can not only detect but can also make a suicide bomber in-effective the basic work of electro-magnetic pulse is that it has the ability to fry electrical circuits from a simple grinder to airplane, let us consider a scenario of public gathering

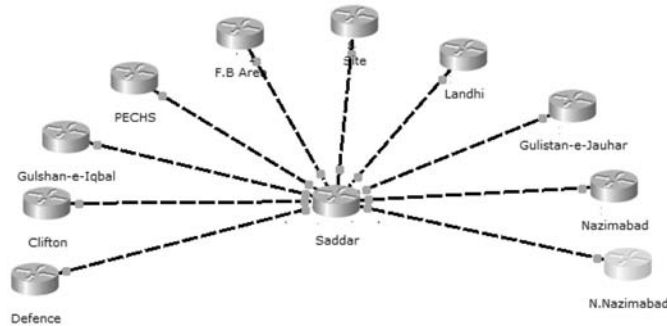
where hundreds and thousands of people jam together enters an arena to listen to their favorite politician this is a sort of occasion where implementing flawless security is unthinkable specially when we consider Asian countries. In this crowd a suicide bomber manages to enter, there is heightened security around the stage and no one can penetrate this security. Suicide bomber's target is Politician but despite of all the efforts he/she fails to even come close to the target in desperation the bomber blows him up resulting in scores of casualties and chaos. This is something which is considered as in-curable but the suggestion I want to give here is that this might have been averted. Now let's see the whole scenario again this time by including a buffer zone out side the main arena. This buffer zone can act as a passage way towards the central gathering zone now as we know the ability of UWB is that it can traverse walls and metal at short distances and can reflect back at long distances than it can be used to see suicide vest hidden beneath a bomber's clothing now once a suicide bomber is detected he can be apprehended but the problem is that we have seen from some previous accounts that suicide bombers never give up they are so brain washed that instead of being captured they prefer to be blown up so its useless to only detect a suicide bomber along with that there should exist a mechanism that can be used to neutralize the suicide vest now this can be achieved by using EMP that we already know can fry a circuit and make it non-functional. So our scenario that a bomber trying to enter the main gathering point will first be detected through UWB and EMP will neutralize his suicide belt, security can now come in and pick him up, bomber will try his level best to detonate his device but it will be worthless and the culprit will be apprehended. We can also use UWB at toll gates like in developed countries a number of toll gates exist within a city there the purpose is to deduct charges as the vehicle passes under the gate here in our case by using UWB we can detect vehicles for any suspicious material this than can be synchronized with our law enforcing mobiles which can pursue these vehicles and stop them before they can wreak havoc.

5. REDUCING AFFECT OF ATTACK

(i) Fire fighting capabilities.

When we look at fire fighting capabilities we see that most of the buildings in south East Asia are not equipped with even basic fire fighting gear and in case of an emergency this could really make a difference between life and death. Along with some basic gear there should be a network that could alarm the central fire fighting department. We have seen that even well equipped fire fighting brigade can't cope with the situation if it is unprecedented like 9/11. But in this era of unpredictable events we have to implement methodologies that are as extraordinary as the action of terrorists. Hundreds and Billions of dollars are spend on making new weapons if this money could be spend on how to make a system that could reduce the affects of terrorist attacks then these activities will decrease. Most of the fatalities occur because of lack of immediate damage control in case of sabotage to an important public or private building the initial blast will kill as many people as the fire that follows it. For this to take Shape a sub department of fire fighting unit should exist in every area with links to a centralized department of the city so in case of an emergency all the units can be called to the disaster zone through a centralized unit. The department should be placed strategically to areas that have important buildings like Parliament House, Senate Corporate Offices, and Financial Hubs etc.

Figure 1
 Depicting a network of fire fighting units in different areas of City integrated together



(ii) X-Net:

X-Net is vehicle arresting system the concept is to cease a vehicle as quickly as possible we have different techniques that puncture the tyres but even with punctured tyre a vehicle could go a long way and specially when we talk about suicide bombers they have a resolve to take out their target by all means possible. The areas that are under maximum threat of suicide bombers are either caught off guard or get very little time to protect their assets we hear in news all the time that suicide bombers are on loose and that they could strike any where in the city. So to deal with such scenarios Xnet is a good option that could be deployed within 20 seconds by hand and it is equiped with barbes that pierce the tyre whereas the net gets entangled around the the tire resulting in halting of vehicle (<http://www.gimag.com>), this system can arrest even heavy vehicles weighing in excess of 10,000Kg (<http://www.qinetiq.com>).

(iii) Hospital Units:

Hospital units in our country can barely accommodate for our regular requirements then how could it with unprecedented events like suicide bombings we have seen this from time and again that that most of the deaths in such events occur because of lack of resources some of the most prominent Hospitals of the city get overwhelmed by these events, we saw on many occasions that patients lie on the floors of hospital unattended due to unavailability of beds and staff if a hospital doesn't have the resources to provide enough beds than you can imagine for yourself how can they have sophisticated health care required for saving a life. There is shortage of ventilators and life saving drugs in our hospitals. In order to fight this new war against terrorism we have to equip ourselves with state of the art medical facilities every important hospital of the area of the city should be forced to setup a crises management unit with 100 odd beds and extra ventilator and life saving drugs dedicated for the victims of terrorist attacks, this is necessary for countries currently engage in fighting terrorism (like Pakistan, Afghanistan and Iraq) in these countries the daily rate of such event based fatalities is in hundreds. Since 80s around 2.5 million people migrated from Afghanistan to Pakistan many died and still millions are suffering, now after Afghanistan we are seeing similar chaotic situation in Pakistan which is a country having 169 million inhabitants and if such a crises prevailed then this would be a harbinger of catastrophe not only for the region but the whole world to win such battles you need temperament and immense resources among which medical resource are considered most important because once the fatalities started to mount pressure increases on the governments to resolve the situation peacefully and they had to broker a deal with extremist. Such wars demand relentlessness on government side you cannot give time to your enemy because they will get strong with every passing minute and in turn relentlessness require a firm medical infrastructure that could absorb the intensity of battle and render your enemy ineffective this is possible with efficient medical services because the number of fatalities

caused by lack of resources can be reduced to half with hi-tech medical system which will change the whole scenario.

5. WEAPONS FOR FIGHTING TERRORISM

As the means to inflict threat is evolving along with that the weapons that are required to counter such threats are also growing. In this section we will look at some of the weapons that can be used to effectively fight terrorism.

(i) Knight's Armament M110

This sniper rifle has a long range of 1000 yards it has high rate of fire bullets are fed in the gun through magazine the most highlighted part of the gun is its efficiency and ability stay undetected which indeed is an excellent feature if one wants to avoid counter-fire (<http://dsc.discovery.com>).

Scenario 1: terrorist took hold of a school bus they are inside the bus with the children and demanding release of fellow terrorists from the jail. These extremist elements are equipped with suicide vest and threaten to blow the bus if approached.

Solution: With proper planning it is possible to place a bunch of snipers at roof tops and with M110s accuracy one has the ability to finish the stand-off within seconds.

Scenario 2: Leader of one of the most dangerous terrorist group is holding a public gathering in North West Frontier Province of Pakistan.

Solution: with the range of M110 it has the ability to take out any target at a distance of 1000 yards this weapon can be used to effectively neutralized rogue elements.

ii) AquaRam Tactical Disrupter:

The concept behind AquaRam is to spray water with high speed this is achieved by using directed jets the water that is released as a result is capable of penetrating steel shields while conserving energy to neutralize the detonator (<http://dsc.discovery.com>) by using this technology we can reduce the threats to bomb disposal squad.

Scenario: Series of bombs implanted by terrorist at various locations in one of the buzzing City if these bombs went off they will paralyze the whole country and losses will be massive.

Solution: Evacuation lead by bomb squad that is equipped with AQUARAM tactical disrupter can effectively neutralize this threat and in case of mishap the destruction will be limited.

iii) Taser XREP:

TASER guns are usually used at very short distances and has a wire connected to the projectile but TASER XREP is an advance version that has taken this concept to new heights it is a projectile that has no wires attached to it its range is around 23 meters it can give a non lethal shock that will incapacitate the attacker (<http://www.taser.com>).

Scenario 1: Suspected Terror Ring leader escaping with few of his loyal and devoted Guards.

Solution: Well placed sharp shooters can be strategically placed to knock out the guards and eventually arrest the leader.

Scenario 2: A bunch of miscreants creating trouble in city, destroying public and private property.

Solution: Taser Gun can be used as it has the ability to incapacitate its target this way one can prevent unwanted incidents like fatalities.

6. CONCLUSION

We have to take due steps to tackle this menace of terrorism, because otherwise this nuisance that was once limited to a certain portion of our world will engulf us all in to a cataclysmic war, we should learn lessons from past two world wars that extremism should be nip in the bud before it could gather any support. Today most of the Asian countries are going through the same period that western societies have already seen. It is our collective duty to support the powers of peace and progressive states of the world should be united not only in their statements but also in their actions to root out this evil. Presently Asia has become an active mount Vesuvius of this world (with Israel-Arab rift and crises in Iraq and Afghanistan differences between Pakistan and India and rivalry between North and South Korea has given birth to terrorism in the region) which if exploded will take both Pompeii and Herculaneum (referring to some of the most advanced and prosperous places on earth) with them. Finally I would like to end by repeating these golden words of Sir Winston Churchill, "If you will not fight for right when you can easily win without blood shed; if you will not fight when your victory is sure and not too costly; you may come to the moment when you will have to fight with all the odds against you and only a precarious chance of survival. There may even be a worse case. You may have to fight when there is no hope of victory, because it is better to perish than to live as slaves" (<http://www.conservativeforum.org>).

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