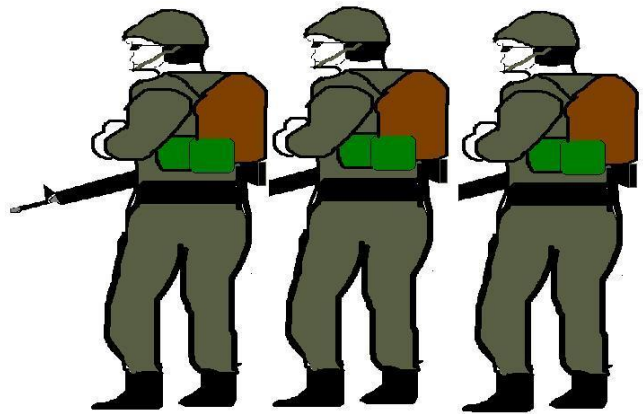
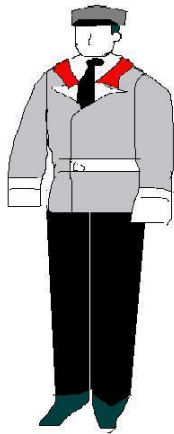
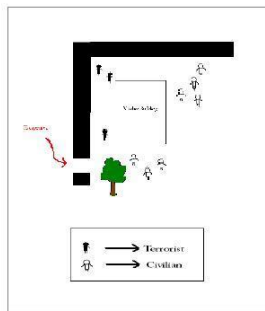
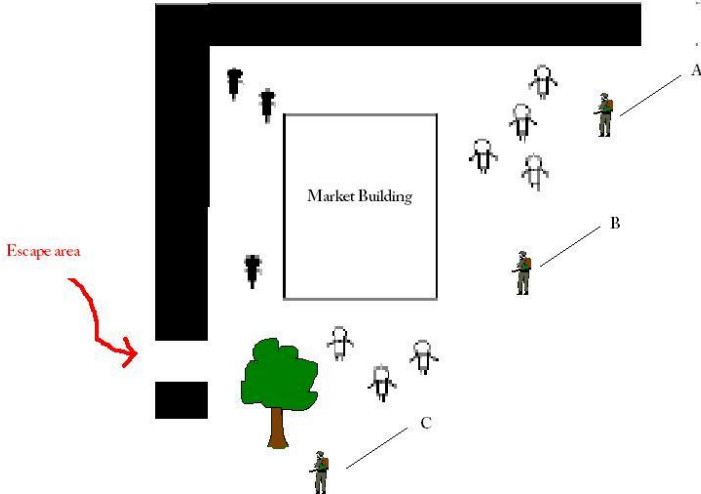



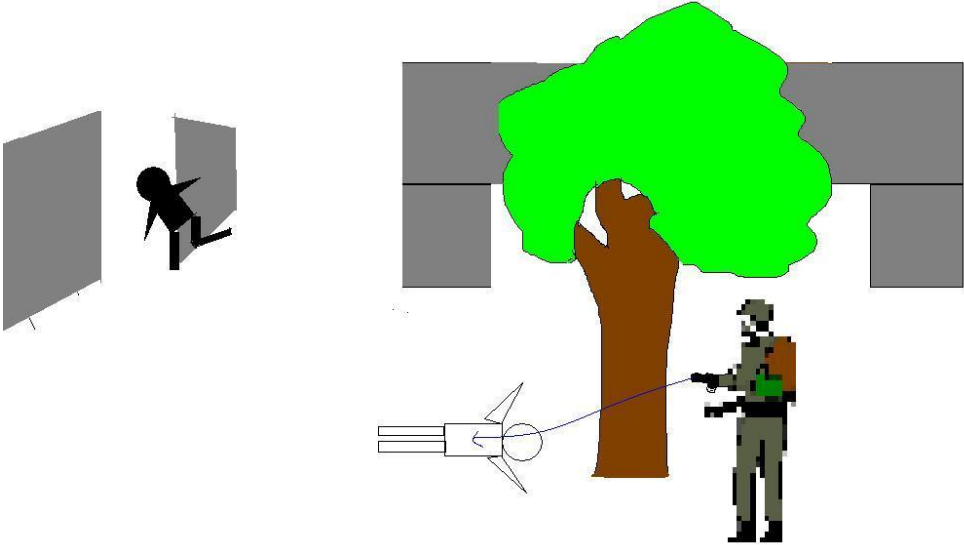
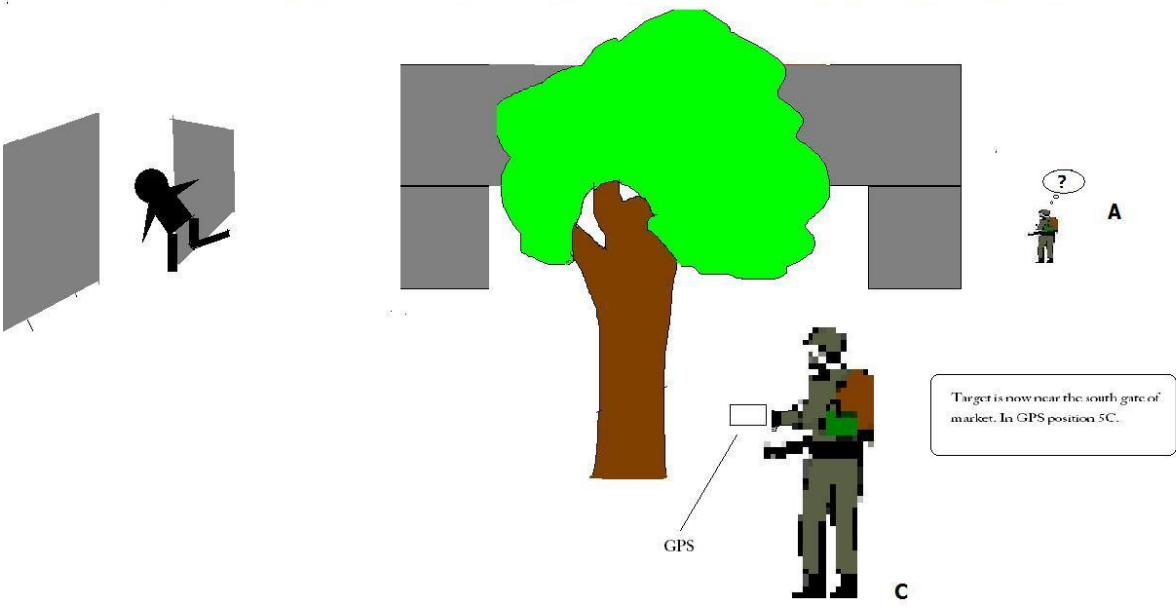
Appendix A

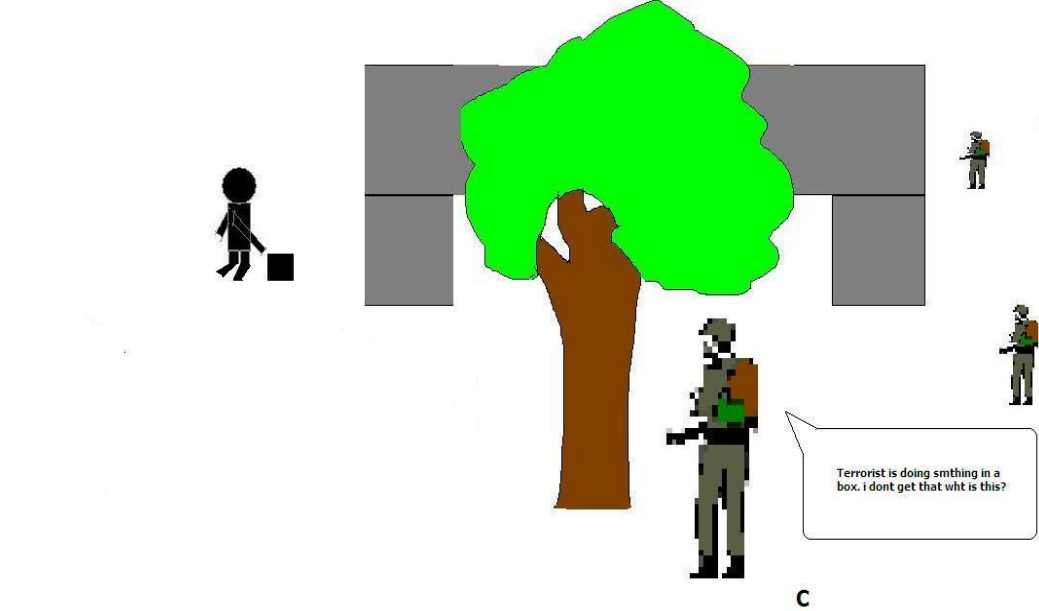


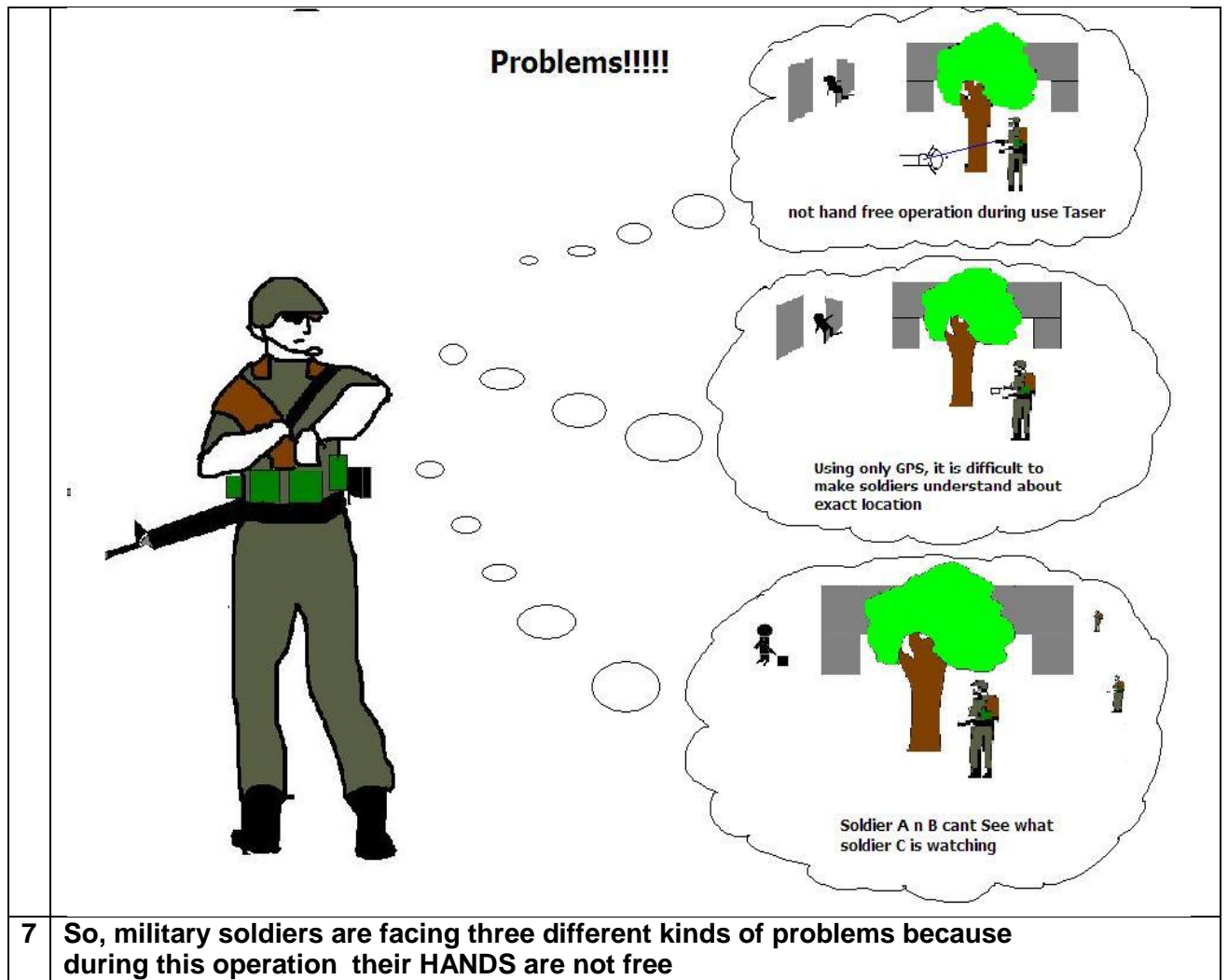
1 Major is briefing the soldiers about the operation.

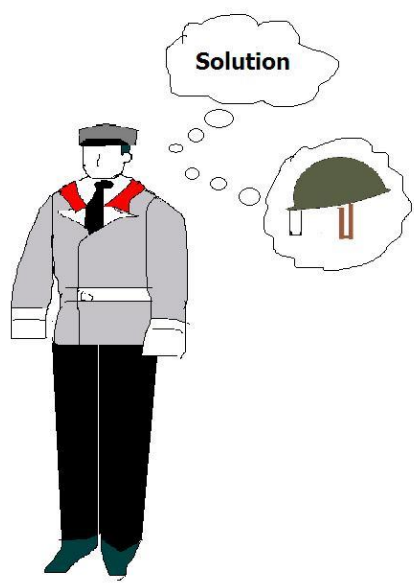
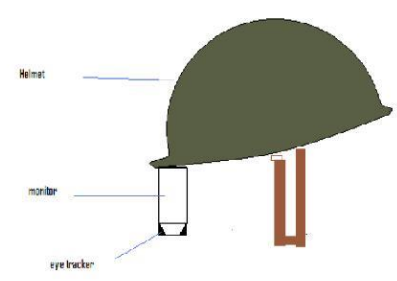
	<p style="text-align: center;">Soldiers A, B & C are in position of that market area</p>  <p>The diagram shows a market area enclosed by a black L-shaped wall. Inside the wall is a white rectangle labeled 'Market Building'. To the left of the wall is a red arrow pointing to the text 'Escape area'. To the right of the wall is a green tree. Several black stick figures representing terrorists are scattered throughout the area. Three soldiers, labeled A, B, and C, are positioned around the area: Soldier A is at the top right, Soldier B is at the middle right, and Soldier C is at the bottom center near the tree.</p>
2	Terrorist (black) r hiding in a market area, soldier A,B & C need to capture them.

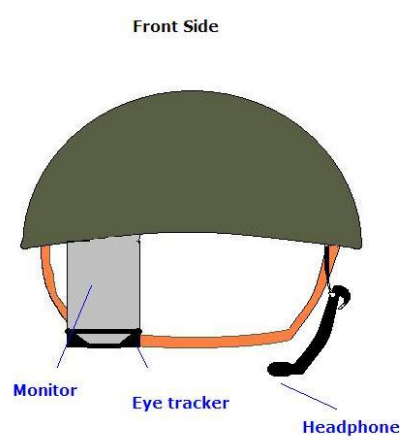
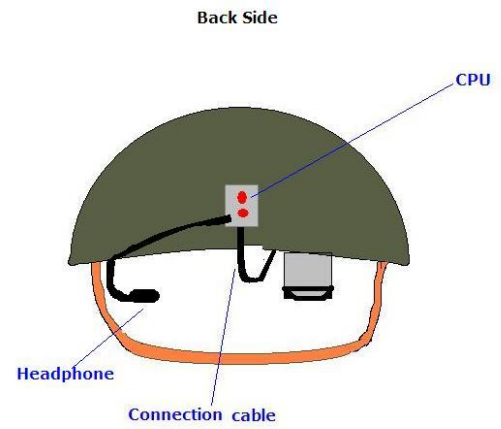
	 <p>The diagram shows a civilian (white stick figure) with arms raised, screaming 'Soldiers!!!!!!' towards a group of soldiers (black stick figures). A large green tree is in the center, and a grey building is in the background. The soldiers are positioned around the tree and building.</p>
3	A civilian is afraid while see the military, He was screaming which can make the terrorist aware of military. Soldiers need to neutralize the civilian.

	 <p>A diagram illustrating a soldier in military uniform using a Taser on a civilian. The civilian is lying on the ground near a large green tree. The soldier is standing to the right of the tree, holding the Taser. In the background, there are grey rectangular structures and a black silhouette of a person running away from the scene.</p>
4	<p>Soldier used Taser to neutralize the civilian, but when the terrorist found that soldier's hand is busy with Taser, he just ran away.</p>
	 <p>A diagram illustrating a soldier in military uniform using a GPS device. The soldier is standing to the right of a large green tree, holding a device labeled "GPS". In the background, there are grey rectangular structures and a black silhouette of a person running away from the scene. A small figure labeled "A" is shown in the distance with a question mark above its head. A text box on the right says: "Target is now near the south gate of market. In GPS position 5C."</p>
5	<p>Again, soldier was trying to update the server of GPS, to acknowledge other military about the terrorist position, but again terrorist got the chance to run away as soldier's hand is busy with GPS.</p>

	
6	<p>Soldier C can see that a terrorist is doing something with a box, but he did not get what it is? He failed to tell the other soldiers about it.</p>

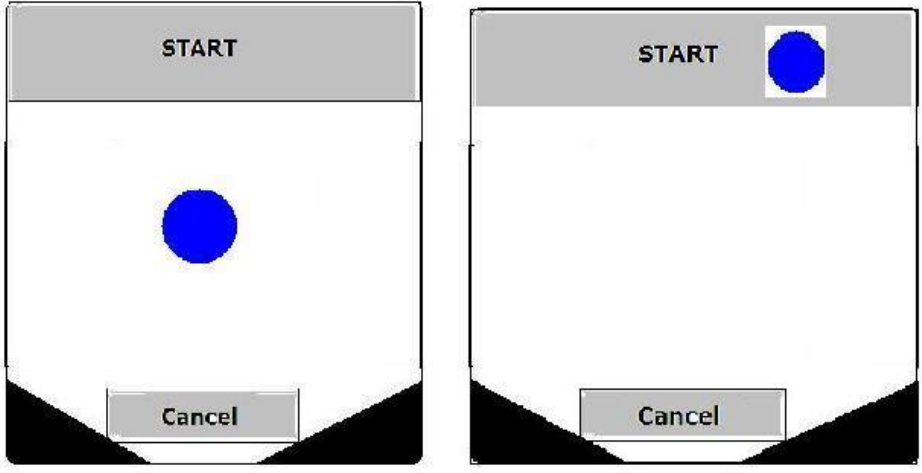


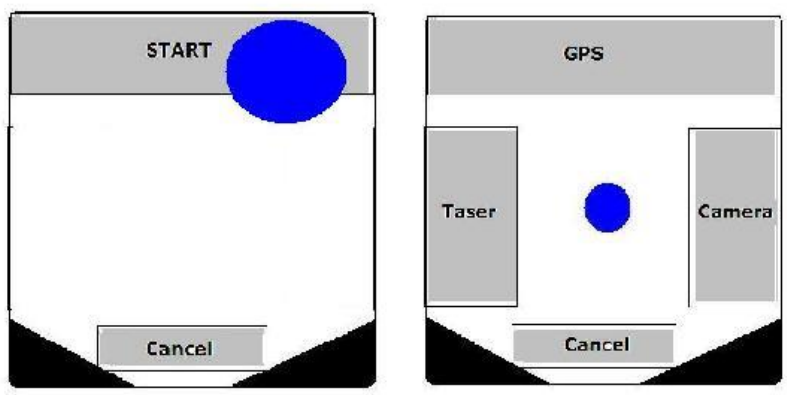
	<div data-bbox="383 268 798 851">  </div> <div data-bbox="858 291 1412 324"> <p>Advanced computer integrated Military Helmet</p> </div> <div data-bbox="925 425 1324 705">  </div>
8	<p>Major found out that UH has developed a new wearable device (An advanced computer integrated Helmet) to solve this problem.</p>

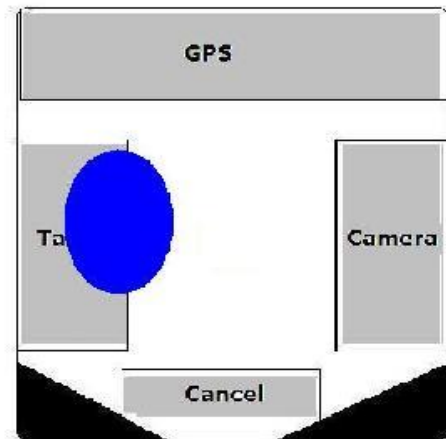
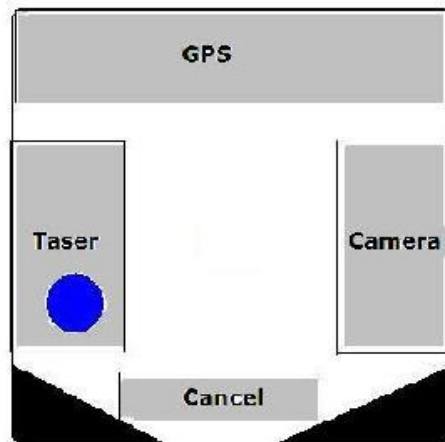
	<div data-bbox="414 1265 821 1702"> <p>Front Side</p>  </div> <div data-bbox="909 1265 1412 1691"> <p>Back Side</p>  </div>
9	<p>This helmet contains, A computer (monitor - CPU), Eye tracker for input, Headphone/Microphone to communicate.</p>




- 10 A soldier with new device, Taser is connected on his shoulder; a wire is connected with taser and the CPU of the helmet.

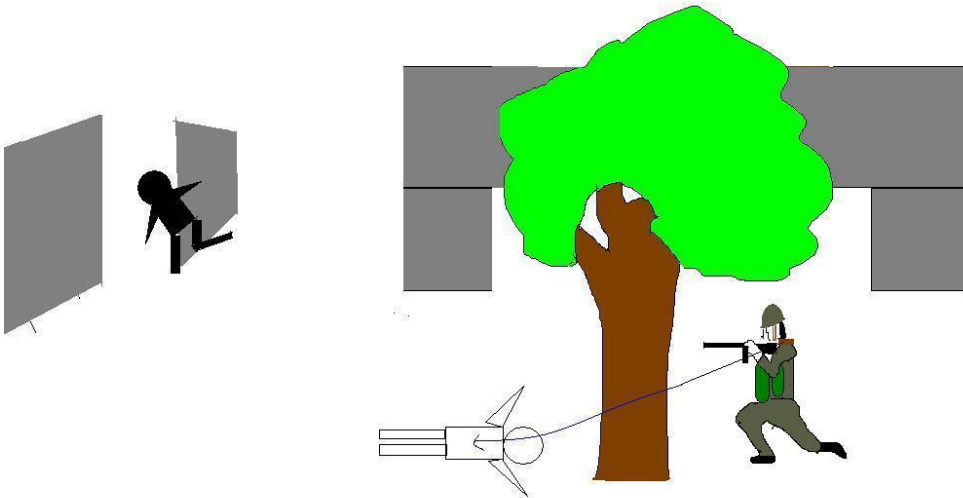
	
11	<p>This is the display of helmet. Two buttons are there Start and Cancel. There is blue round shape thing which is the pointer. In this new device, where ever you look, the pointer will move to that point. The black portion which is called Eye Tracker(which tracks your Gaze).It will determine where are you looking at.</p>

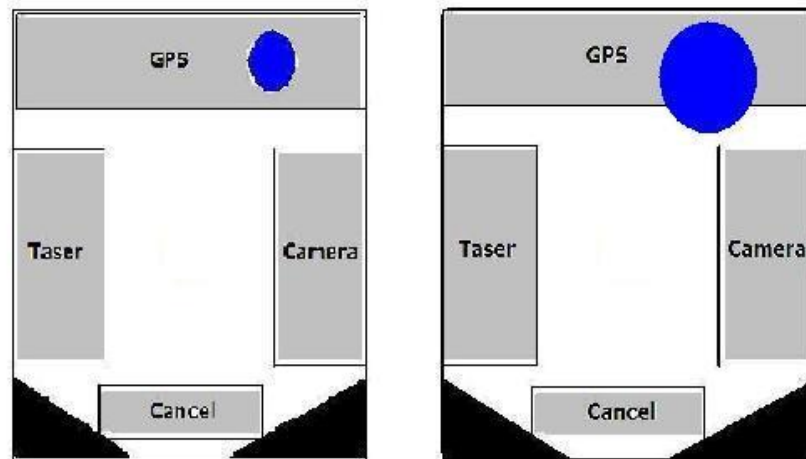
	
12	<p>If you look at Start button for 3 seconds, it will open the menu window, which contains buttons like Taser, Camera & GPS. After 3 seconds the pointer will grow bigger.</p>



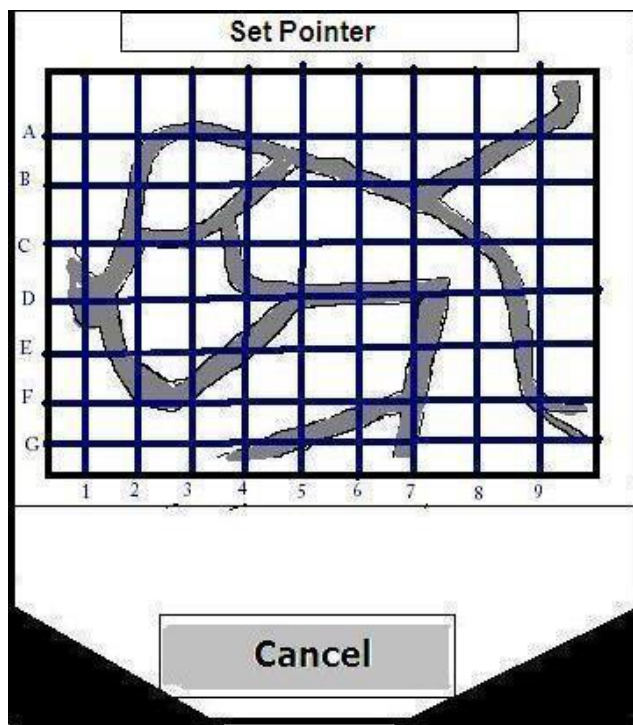
- 13** Suppose, soldier wants to activate Taser, To activate it, he needs to point to the Taser button and look at it for 3 seconds. After 3 Seconds, the pointer will get bigger and it will activate the Taser.

	
14	<p>After 3 seconds, the Taser is activated, it will show a '+' sign to accurate the target, if the soldier just look at the shoot button then it will fire to target.</p>

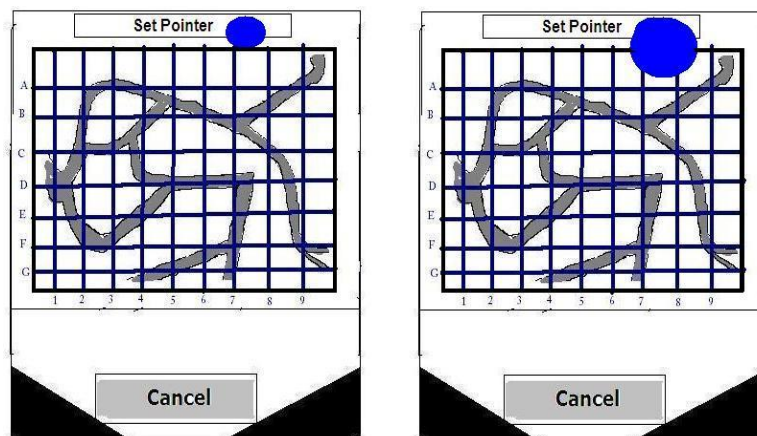
	
15	<p>As the Taser is being shot from shoulder of the soldier & hands of the soldier are free, so he can easily point the gun to the terrorist. So the terrorist can not escape now.</p>



- 16** The second function GPS is on the top of main menu. Just like Taser, soldier needs to look at three seconds to GPS option and after 3 seconds the pointer will grow bigger.




- 17 GPS map will be shown on screen, In X axis , there are 1, 2, 3, 4 ... points and Y axis , there are A, B, C,D ... points.

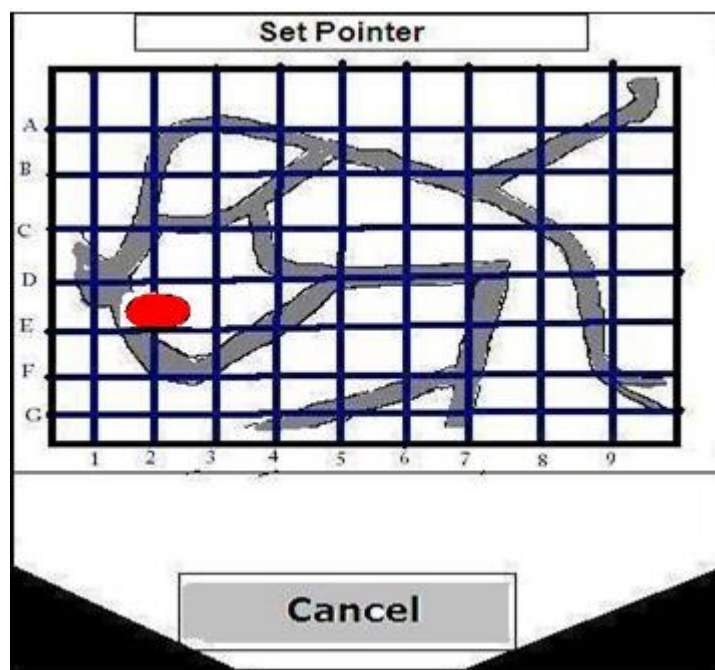


- 18 To set the point where the terrorist is hiding, soldier needs to look at the set pointer option, after three seconds it will activate.

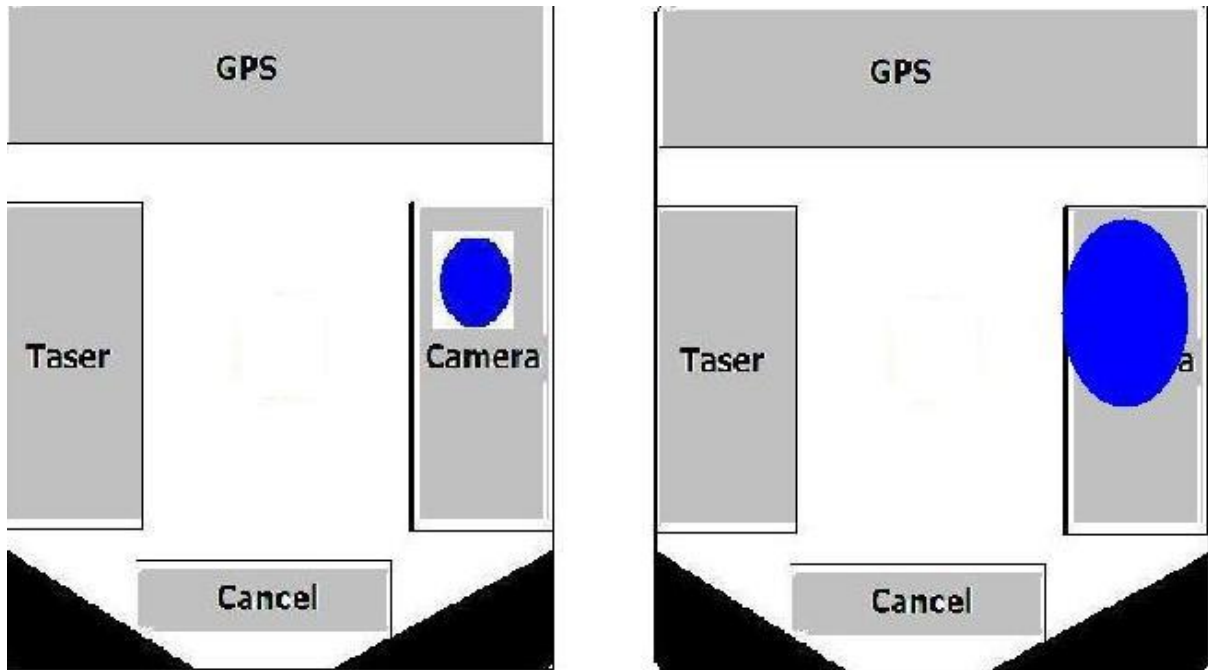
1	2	3	4	5
6	7	8	9	←
X axis	2		Y axis	E
A	B	C	D	
E	F	G	Back space ←	
<div>Done </div> <div>Cancel</div>				

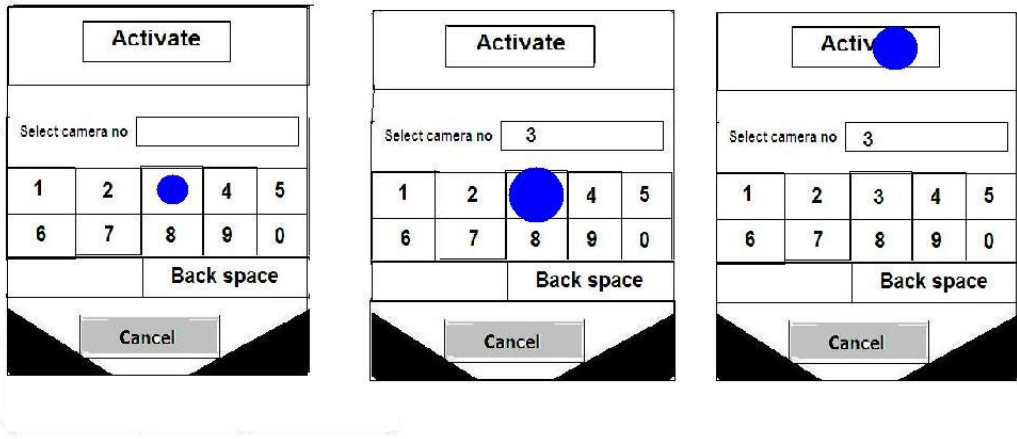
1	2	3	4	5
6	7	8	9	←
X axis	2		Y axis	E
A	B	C	D	
E	F	G	Back space ←	
<div>Do </div> <div>Cancel</div>				

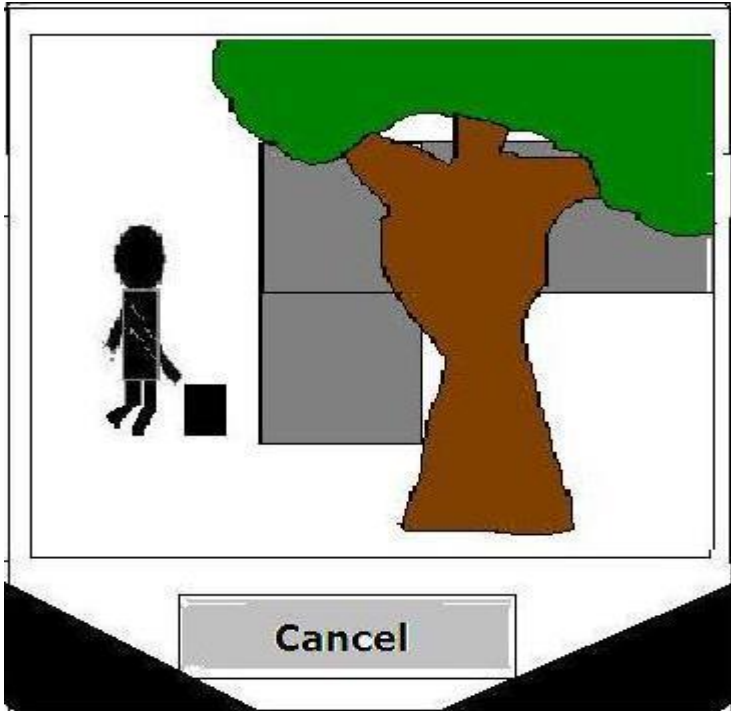
- 19 Now for input, we will use voice recognition system; Soldier needs to say '2' and 'E' then computer will automatically put the numbers on the screen, After that soldier needs to look at the 'Done' option to set it.

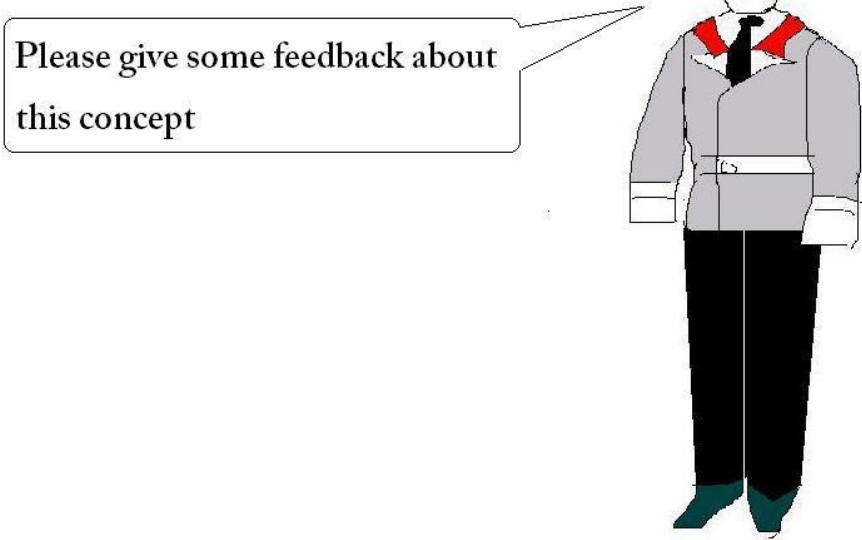


- 20 When the pointer is fixed, there would be a red round shape point will be set on the selected points and it will blink. So it will be update in server and other soldiers can understand about

	the exact location of terrorist.
	
21	To select the Video Camera, soldier needs to look at the 'Camera' option. After 3 seconds the pointer will grow bigger and camera will activate.

	
22	Every camera will have a number, so soldier needs to set the camera no , for that purpose he needs to look the number & after 3 seconds it will be set. After that he needs to look at the 'Activate button' for 3 seconds.

	
23	<p>The display is showing to the other soldiers display what exactly the soldier (who is carrying camera no 3) is looking at.</p>

	
24	<p>So, all the activities from the new device allows soldier to do a HAND FREE operation. Now the major is asking about to give some opinion about this concept of advanced computer integrated wearable device.</p>

