APPENDIX I SURVEY OF ASSISTIVE TECHNOLOGY FOR USER

1.	What is your age? □ 20 and below □ 21 - 30 □ 31 - 40 □ 30 □ above
2.	Do you live alone or with other people? □ Living alone □ Living with people who provide assistance
3.	Please indicate if you have difficulty in the following functions. Head movement e.g. nodding Eye twitching or blinking Mouth gripping Speaking
4.	What is your current method to trigger a switch action (e.g. turning on computer)?
5.	Why did you decide to use the current method?
6.	What are your main factors in choosing an assistive technology to trigger a switch action?
7.	What kind of actions do you want to trigger by assistive technology? (e.g. texting, calling, sending commands to wheelchair)
8.	What do you think about using touch sensor to trigger a switch action?
9.	How often do you think the assistive device should be charged? hours/days
10.	How much do you expect a touch sensor to cost?
11.	What do you think of other assistive technology to trigger a switch action, e.g. voice recognition device?

SURVEY OF ASSISTIVE TECHNOLOGY FOR RELATIVES AND CLINICIANS

1.	Please	e indicate who is completing this survey
		Patient's family Caregiver Doctor Other health professional, please specify:
		· · · · · · · · · · · · · · · · · · ·
2.	Does t	etraplegic patient require any assistance from you? Yes
		If yes, please indicate the activities that require your assistance.
		No If no, is there any other form of assistance for the patient?
3.	Based action	on your experience, what is the best assistive technology to trigger a switch?
4.		do you consider in choosing an assistive technology to trigger a switch action ir patient/relative?
5.	What o	do you think about using touch sensor to trigger a switch action?
6.	How o	ften do you think the assistive device should be charged?
		hours/days
7.	How m	nuch do you expect a touch sensor to cost?
8.		do you think of other assistive technology to trigger a switch action, e.g. voice nition device?

APPENDIX II SURVEY OF ASSISTIVE TECHNOLOGY FOR USER - FILLED

1. What is your age?

а

	20 and below21 - 3031 - 40	• 51	- 50 - 60 ove
2.	Do you live alone or with other people? Living alone Living with people who provide ass	sistance YES	
3.	Please indicate if you have difficulty in the	following function	S.
4.	What is your current method to trigger a sy	, •	urning on computer)?
5.	Why did you decide to use the current met n/a	thod?	
6.	What are your main factors in choosing an action? Reliability and consistency. Inconspicuous.	assistive technol	ogy to trigger a switch
	What kind of actions do you want to trigge calling, sending commands to wheelchair) Could be a number of possible uses. If it is application	•	
8.	What do you think about using touch senson Depends on the way I would need to touch the		ch action?
9.	How often do you think the assistive devic Every 2-3 days	e should be charg	ed? hours/days
10.	. How much do you expect a touch sensor t <£100	o cost?	
11.	. What do you think of other assistive technorecognition device? OK providing it meets other criteria	ology to trigger a s	switch action, e.g. voice

SURVEY OF ASSISTIVE TECHNOLOGY FOR RELATIVES AND CLINICIANS - FILLED

1.	Please indicate who is completing this survey • Patient's family • Caregiver • Doctor • Other health professional, please specify: Assistive Technology Specialist
1.	 Does tetraplegic patient require any assistance from you? Yes If yes, please indicate the activities that require your assistance. Help with selection of Assistive devices for computer access_ No If no, is there any other form of assistance for the patient?
3.	Based on your experience, what is the best assistive technology to trigger a switch action? It depends in what context the switch is being used and what movement is available to the user. With a high level injury there are limited options available.
4.	What do you consider in choosing an assistive technology to trigger a switch action for your patient/relative? Reliability and consistency oil operation. Inconspicuous.
5.	What do you think about using touch sensor to trigger a switch action? I am unable to touch with my hands - it would depend on how I am able to ac5vate it.
6.	How often do you think the assistive device should be charged? Once every 2-3 days would be best. hours/days
7. <£100	How much do you expect a touch sensor to cost? If it does the job well than it will be worth a premium price. Typically switches should be
8.	What do you think of other assistive technology to trigger a switch action, e.g. voice recognition device? Voice is fine providing it is reliable and consistent and I can use independently

APPENDIX III RESULTS OF EXPERIMENT 1 TESTING SHORT COMMANDS BY DIFFERENT SUBJECTS: FUNCTIONAL TESTING

	Voice		Testing				Comman	ıds	
Test №	owner	Tester	distance	Trial	Turn	Turn	Turn		
	OWITO		aiotarioc		yellow	red	green	Right	Left
				1	+	+	+	+	+
				2	+	+	+	+	-
1 1	S1	S1	12 cm	3	+	+	+	+	+
				4	+	+	+	+	+
				5	+	+	+	+	+
				1	-(red)	+	+	+	-
				2	-	+	-	+	-
2	S 1	S3	12 cm	3	-(red)	+	-	-	-
				4	-(red)	+	+	+	-
				5	-(red)	+	-	+	-
				1	-	-	-	-	+
				2	-	-	-	-(left)	+
3	S1	S2	12 cm	3	-	-	-	- (greeen)	-(right)
				4	-	-	-	-(yellow)	-(right)
				5	-	-	-	-(left)	-(right)
				1	+	+	+	-(red)	+
							-		
			As close				(noic		
4	S1	S3	as	2	+	+	e)	+	+
			possible	3	-(red)	+	+	+	+
				4	-	+	+	+	-(right)
				5	+	+	-	+	-(right)
				1	-(right)	-(left)	+	-(left)	-(right)
			A 1	2	-	-(left)	+	-(yellow)	+
5	S1	S2	As close as	3	-	-(left)	-(left)	-(left)	+
	01	02	possible	4	-(left)	-(right)	-(left)	-(left)	+
			1	5	_	-(right)	right	+	+
				1	+	+	+	+	+
				2	+	+	+	+	+
6	S2	S2	12 cm	3	+	+	+	+	+
				4	+	+	+	+	+
				5	+	+	+	+	+
				1	+	-	-(red)	+	-
				2	-	-	+	-	-
7	S2	S3	12 cm	3	-	-	+	+	-
				4	-	-	+	-	-
				5	-	-	+	+	-
	00	04	10	1	+	-	+	-(left)	+
8	S2	S1	12 cm	2	-	-	+	-(left)	+

		[1	3	_	_	+	-(left)	+
				4	-	-	+	-(left)	+
					_	-	•	-(1611)	•
				5	-	(green)	+	-(left)	+
				1	-(red)	+	+	+	+
			As close	2	+	+	-(red)	+	+
9	S2	S3	as	3	+	+	+	+	+
			possible	4	+	+	-(red)	+	+
				5	+	+	+	+	+
					-				
				1	(green)	+	+	-(left)	+
10	S2	S1	As close as	2	+	+	+	-(left)	+
10	32	31	possible	3	+	+	+	+	+
			Pedensia	4	+	+	+	-(left)	+
				5	+	+	+	+	+
				1	+	+	+	+	+
				2	+	+	+	+	+
11	S3	S3	12 cm	3	+	+	+	+	+
				4	+	+	+	+	+
				5	+	+	+	+	+
				1	+	+	-	+	+
				2	-(red)	+	-(left)	+	+
12	S3	S2	12 cm	3	-(red)	-right	+	+	+
				4	-(red)	-(left)	-(left)	+	+
				5	-(red)	-(left)	+	+	+
				1	-(red)	+	-(red)	+	+
				2	+	+	+	+	-(right)
13	S3	S1	12 cm	3	+	-	-	+	-(right)
.0			12 0	4	+	+	+	+	+
						-			
				5	+	(green)	+	+	+
				1	-	+	+	+	+
			As close	2	-	-(right)	+	-(left)	+
14	S3	S2	as	3	-(red)	-(left)	-(left)	-(left)	+
			possible	4	-(left)	-(left)	+	+	+
				5	-	-(left)	-(red)	-(left)	+
				1	-(left)	+	-(red)	+	+
				2	+	-	-(red)	+	+
4 5	S3	S1	As close	3	+	-	-(red)	+	+
15	33	31	as possible			-			
			Pooling	4	+	(yellow	+	-(left)	-(right)
				5	+	+	-	-(left)	+
	l	I .		<u> </u>	ı •	L •	_	-(101t <i>)</i>	•

APPENDIX IV RESULTS OF EXPERIMENT 2 TESTING LONG COMMANDS BY DIFFERENT SUBJECTS: COMMAND LENGTHS

							Command	S	
Test	Voice	Tester	Testing	Trial	Turn the	Turn the	Turn the		
Nº	owner	rester	distance	iriai	yellow	red light	green	Make a	Make a
					light on	on	light on	right click	left click
								- (make a	
				1	-(red)	+	+	left click)	+
				•	(rea)	-	-	- (make a	-
				2	-(red)	+	+	left click)	+
					-(ieu)	•	•	- (make a	•
1	S1	S1	12 cm	3	-(red)	+	+	left click)	+
					-(i eu)	•	•	- (make a	•
				4	+	+	+	left click)	+
				- 4	T	т	T		Т
				-	١.			- (make a	
				5	+	+	+	left click)	+
								- (make a	
				1	-	+	-	left click)	+
				2	-	-	-	-	-
								- (make a	
2	S1	S4	12 cm	3	-	-	-	left click)	-
								- (make a	
				4	+	-	+	left click)	+
								- (make a	
				5	-	-	-	left click)	+
				1	-	-	-	-	+
				2	-	+	-	-	-
3	S1	S2	12 cm	3	-	-	+	-	-
				4	-	-	-	-	-
				5	-	-	+	-	-
							-(make a		
							right	- (make a	
				1	-	-	click)	left click)	+
						-(make a	-(make a		
						left	left	- (make a	
			As close	2	-	click)	click)	left click)	+
4	S1	S4	as					- (make a	
			possible	3	+	-(green)	-	left click)	-
			-			-(make a		,	
						left		- (make a	
				4	-	click)	_	left click)	+
				·		,		- (make a	
				5	+	_	_	left click)	+
					-(make a				
					left			- (make a	
				1	click)	-(green)	_	left click)	+
			As close	<u> </u>	2,	(3. 30/	1	- (make a	
5	S1	S2	as	2	_	_	+	left click)	+
J	31	32	possible	3			+	ion onon	
			hossinie	3	-	-		-	+
							-(make a	(mc = l=	
							left	- (make a	
		1		4	-	-	click)	left click)	+

				5	 -	_	+	- (make a left click)	+
				1	-(red)	+	+	+	+
				2	+	+	+	+	+
6	S2	S2	12 cm	3	+	+	+	+	+
				4	-	-(green)	+	+	+
				5	_	+	+	+	+
				1	-(green)	-	+	+	-(make a right click)
7	S2	S 4	12 cm	2	-	-(make a right click)	+	+	-(make a right click)
,	02	04		3	-	-	-	+	-(make a right click)
				4	-	-	+	+	-
				5	_	-	+	+	_
				1	-(red)	+	-	-	+
				2	-(green)	+	-	-	+
8	S2	S1	12 cm	3	-(green)	+	- -	- -	+
	02	0.	12 0111	4	_	-	-		
								-	-
				5	-(red)	-	-	-	- (make a
				1	-(red)	+	-	+	-(make a right click)
			As close	2	-(red)	-(make a right click)	-(make a right click)	+	-(make a right click)
9	S2	S4	as possible	3	_	+	-(make a right click)	+	-(make a right click)
				4	-	+	-(make a right click)	+	-(make a right click)
				5	-	+	+	+	+
				1	-	+	-(red)	+	-
			As close	2		+	-(red)	+	-(make a right click)
10	S2	S1	as close as possible	3	-(red)	+	+	+	-(make a right click)
				4	-(164)	+	-(red)	+	+
				5	<u>-</u>	-	-(red)	+	+
				<u>5</u> 1	+		-(reu) +		+
				2	+	-(green) +	+	+	+
11	S4	S4	12 cm	3		+	+		+
''	34	34	12 0111		+			+	1
				4	+	+	+	+	+
				5	+	-	+	+	+
12	S4	S2	12 cm	1	-	+	-	-	-
				2	-	+	-	+	+

				3	-	_	_	_	_
				4	-	+	-	_	-
				5	-	+	-	-	-(make a right click)
				1	+	-(yellow)	-(yellow)	-	-
				2	-	-(yellow)	-(yellow)	-	-
13	S4	S1	12 cm	3	+	-	-(yellow)	- (make a left click)	-
				4	+	-	-(yellow)	-	+
				5	+	-(yellow)	-	-	+
				1	-	+	+	-	+
			2	-	+	-(yellow)	+	+	
			As close	3	-	+	-	+	+
14	S4	S2	as possible	4	-	+	-	- (make a left click)	-(make a right click)
				5	+	+	-	+	+
				1	+	-(yellow)	-(yellow)	-	+
				2	+	-	-(yellow)	- (make a left click)	-(make a right click)
15	S4	S 1	As close as	3	+	-(yellow)	-(yellow)	- (make a left click)	+
			possible	4	+	-(yellow)	-(yellow)	- (make a left click)	-(make a right click)
				5	+	-(yellow)	-(yellow)	- (make a left click)	+

APPENDIX V RESULTS OF EXPERIMENT 3: ENVIRONMENTAL TESTING

Quiet environment

Nº trial	Left				
	mouse	Right click	Open file	Drag n drop	Email reader
1	+	+	+	+	+
2	-	-	-	-	+
3	+	-	+	+	+
4	+	+	+	+	+
5	+	-	+	+	+

Street

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	+	+	-	+	+
2	+	+	-	+	+
3	+	+	+	+	+
4	-	-	+	+	+
5	+	-	-	+	+

Coffee shop

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	+	+	-	+	+
2	+	-	+	-	+
3	+	-	+	-	+
4	+	+	+	+	+
5	+	-	+	+	+

Bus stop

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	+	+	+	+	+
2	+	+	+	+	+
3	-	-	+	+	+
4	-	-	+	+	-

5	+	+	+	+	+

Bar

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	-	+	-	-	-
2	+	+	-	+	-
3	+	-	-	+	+
4	+	-	+	+	+
5	-	+	-	-	-

Classroom

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	+	+	+	+	+
2	+	-	+	-	+
3	+	-	-	+	+
4	+	-	+	+	+
5	+	+	-	-	+

APPENDIX VI RESULTS OF EXPERIMENT 4: FALSE POSITIVE TESTING

Nº trial	Left house	Right blick	Open smile	Dark and drop	Email speeder
1	-	-	+	+	+
2	-	+	+	+	+
3	+	-	+	+	+
4	+	-	-	+	+
5	+	+	+	-	+

Nº trial	Mouse	Click	File	Drag	Email
1	+	+	-	-(right click)	+
2	+	+	-	-(right click)	-
3	+	+	+	-(right click)	-
4	+	+	-	-	-
5	+	+	-	-(right click)	-

APPENDIX VII RESULTS OF EXPERIMENT 5: DISTANCE TESTING

Distance - bluetooth 1m

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	+	-	+	+	+
2	+	+	+	+	+
3	+	+	+	-	+
4	+	+	+	+	+
5	+	+	+	+	+

Distance – bluetooth 2m

Nº trial	Left mouse	Right click	Open file	Drag and drop	Email reader
1	+	-	-	+	+
2	+	+	+	+	+
3	+	+	+	+	+
4	+	+	-	+	+
5	+	+	+	+	+

APPENDIX VIII DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 1: FUNCTIONAL TESTING

	Data collection												
Test	Recorder	Tester	Distance	TN	FN	PN	FP	TP	PY	AN	AY		
1	S1	S1	12 cm	0	0	0	1	24	25	1	24		
2	S1	S3	12 cm	0	4	4	10	11	21	10	15		
3	S1	S2	12 cm	0	7	7	16	2	18	16	9		
4	S1	S3	Closest	0	5	5	2	18	20	2	23		
5	S1	S2	Closest	0	15	15	3	7	10	3	22		
6	S2	S2	12 cm	0	0	0	0	25	25	0	25		
7	S2	S3	12 cm	0	1	1	16	8	24	16	9		
8	S2	S1	12 cm	0	6	6	8	11	19	8	17		
9	S2	S1	Closest	0	4	4	0	20	20	0	24		
10	S2	S3	Closest	0	0	0	3	22	25	3	22		
11	S3	S3	12 cm	0	0	0	0	25	25	0	25		
12	S3	S2	12 cm	0	9	9	1	15	16	1	24		
13	S3	S1	12 cm	0	5	5	2	18	20	2	23		
14	S3	S2	Closest	0	11	11	3	11	14	3	22		
15	S3	S1	Closest	0	8	8	3	14	17	3	22		

				Data analys	is		
Test	Recorder	Tester	Distance	Accuracy	Sensitivity	Precision	Prevalence
1	S1	S1	12 cm	96.00%	100.00%	96.00%	96.00%
2	S1	S3	12 cm	44.00%	73.33%	52.38%	60.00%
3	S1	S2	12 cm	8.00%	22.22%	11.11%	36.00%
4	S1	53	Closest	72.00%	78.26%	90.00%	92.00%
5	S1	S2	Closest	28.00%	31.82%	70.00%	88.00%
6	S2	S2	12 cm	100.00%	100.00%	100.00%	100.00%
7	S2	53	12 cm	32.00%	88.89%	33.33%	36.00%
8	52	S1	12 cm	44.00%	64.71%	57.89%	68.00%
9	S2	S1	Closest	80.00%	83.33%	100.00%	96.00%
10	52	53	Closest	88.00%	100.00%	88.00%	88.00%
11	S3	S3	12 cm	100.00%	100.00%	100.00%	100.00%
12	S3	S2	12 cm	60.00%	62.50%	93.75%	96.00%
13	S3	S1	12 cm	72.00%	78.26%	90.00%	92.00%
14	S3	S2	Closest	44.00%	50.00%	78.57%	88.00%
15	S3	S1	Closest	56.00%	63.64%	82.35%	88.00%
Testi	ing their o	wn voice	Average	98.67%	100.00%	98.67%	98.67%
in	12 cm dis	stance	S.D.	2.31%	0.00%	2.31%	2.31%
Tes	ting other	's voice	Average	61.33%	67.84%	84.82%	90.00%
in	closest dis	stance	S.D.	22.86%	24.56%	10.32%	3.35%
Tes	ting other	's voice	Average	43.33%	64.99%	56.41%	64.67%
in	12 cm dis	tance	S.D.	22.26%	23.03%	32.02%	26.10%

APPENDIX IX DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 2: COMMAND LENGTHS

	Data collection												
Test	Recorder	Tester	Distance	TN	FN	PN	FP	TP	PY	AN	AY		
1	S1	S1	12 cm	0	8	8	0	17	17	0	25		
2	S1	S4	12 cm	0	4	4	15	6	21	15	10		
3	S1	S2	12 cm	0	0	0	21	4	25	21	4		
4	S1	S4	Closest	0	10	10	9	6	15	9	16		
5	S1	S2	Closest	0	7	7	10	8	18	10	15		
6	S2	S2	12 cm	0	2	2	2	21	23	2	23		
7	S2	S4	12 cm	0	5	5	11	9	20	11	14		
8	S2	S1	12 cm	0	3	3	16	6	22	16	9		
9	S2	S4	Closest	0	10	10	4	11	15	4	21		
10	S2	S1	Closest	0	7	7	6	12	18	6	19		

	Data analysis										
Test	Recorder	Tester	Distance	Accuracy	Sensitivity	Precision	Prevalence				
1	S1	S1	12 cm	68.00%	68.00%	100.00%	100.00%				
2	S1	S4	12 cm	24.00%	60.00%	28.57%	40.00%				
3	S1	S2	12 cm	16.00%	100.00%	16.00%	16.00%				
4	S1	S4	Closest	24.00%	37.50%	40.00%	64.00%				
5	S1	S2	Closest	32.00%	53.33%	44.44%	60.00%				
6	S2	S2	12 cm	84.00%	91.30%	91.30%	92.00%				
7	S2	S4	12 cm	36.00%	64.29%	45.00%	56.00%				
8	S2	S1	12 cm	24.00%	66.67%	27.27%	36.00%				
9	S2	S4	Closest	44.00%	52.38%	73.33%	84.00%				
10	S2	S1	Closest	48.00%	63.16%	66.67%	76.00%				
11	S4	S4	12 cm	88.00%	95.65%	91.67%	92.00%				
12	S4	S2	12 cm	24.00%	85.71%	25.00%	28.00%				
13	S4	S1	12 cm	24.00%	42.86%	35.29%	56.00%				
14	S4	S2	Closest	56.00%	82.35%	63.64%	68.00%				
15	S4	S1	Closest	32.00%	34.78%	80.00%	92.00%				
Testi	ing their o	wn voice	Average	80.00%	84.99%	94.32%	94.67%				
in	12 cm dis	stance	S.D.	10.58%	14.87%	4.92%	4.62%				
Tes	ting other	's voice	Average	39.33%	53.92%	61.35%	74.00%				
in	closest dis	stance	S.D.	11.98%	17.51%	15.92%	12.33%				
Tes	ting other	's voice	Average	24.67%	69.92%	29.52%	38.67%				
in	12 cm dis	tance	S.D.	6.41%	20.14%	9.82%	15.73%				

APPENDIX X
DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 3: ENVIRONMENTAL TESTING

	Data collection							
Environment	TN	FN	PN	FP	TP	PY	AN	AY
Quiet	0	6	6	0	19	19	0	25
Street	0	6	6	0	19	19	0	25
Coffee shop	0	6	6	0	19	19	0	25
Bus stop	0	5	5	0	20	20	0	25
Bar	0	13	13	0	12	12	0	25
Classroom	0	7	7	0	18	18	0	25

Data analysis							
Enviro	onment	Accuracy	Sensitivity	Precision	Prevalence		
Controlled	Quiet	76.00%	76.00%	100.00%	100.00%		
	Street	76.00%	76.00%	100.00%	100.00%		
	Coffee shop	76.00%	76.00%	100.00%	100.00%		
	Bus stop	80.00%	80.00%	100.00%	100.00%		
Non- controlled	Bar	48.00%	48.00%	100.00%	100.00%		
controlled	Classroom	72.00%	72.00%	100.00%	100.00%		
	Average	70.40%	70.40%	100.00%	100.00%		
	S.D.	12.84%	12.84%	0.00%	0.00%		

APPENDIX XI DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 4: FALSE POSITIVE TESTING

Trial	Left house	Right blick	Open smile	Dark and drop	Email speeder
1	-	-	+	+	+
2	-	+	+	+	+
3	+	-	+	+	+
4	+	-	-	+	+
5	+	+	+	-	+

N=25	Predicted: NO	Predicted: YES	
Actual: NO	TN = 7	FP = 0	7
Actual: YES	FN = 18	TP = 0	18
	25	0	

Trial	Mouse	Click	File	Drag	Email
1	+	+	-	-(right click)	+
2	+	+	-	-(right click)	-
3	+	+	+	-(right click)	-
4	+	+	-	-	-
5	+	+	-	-(right click)	-

N=25	Predicted: NO	Predicted: YES	
Actual: NO	TN = 9	FP = 0	9
Actual: YES	FN = 16	TP = 0	16
	25	0	

APPENDIX XII DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 5: DISTANCE TESTING

Data collection								
Distance	TN	FN	PN	FP	TP	PY	AN	AY
1 metre	0	2	2	0	23	23	0	25
2 metre	0	3	3	0	22	22	0	25

Data analysis						
Distance	Accuracy	Sensitivity	Precision	Prevalence		
1 metre	92.00%	92.00%	100.00%	100.00%		
2 metre	88.00%	88.00%	100.00%	100.00%		

APPENDIX XI DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 4: FALSE POSITIVE TESTING

Trial	Left house	Right blick	Open smile	Dark and drop	Email speeder
1	-	-	+	+	+
2	-	+	+	+	+
3	+	-	+	+	+
4	+	-	-	+	+
5	+	+	+	-	+

N=25	Predicted: NO	Predicted: YES	
Actual: NO	TN = 7	FP = 0	7
Actual: YES	FN = 18	TP = 0	18
	25	0	

Trial	Mouse	Click	File	Drag	Email
1	+	+	-	-(right click)	+
2	+	+	-	-(right click)	
3	+	+	+	-(right click)	-
4	+	+	-	-	
5	+	+	-	-(right click)	-

N=25	Predicted: NO	Predicted: YES	
Actual: NO	TN = 9	FP = 0	9
Actual: YES	FN = 16	TP = 0	16
	25	0	

APPENDIX XII DATA COLLECTION AND DATA ANALYSIS OF EXPERIMENT 5: DISTANCE TESTING

Data collection									
Distance	TN	FN	PN	FP	TP	PY	AN	AY	
1 metre	0	2	2	0	23	23	0	25	
2 metre	0	3	3	0	22	22	0	25	

Data analysis								
Distance	Accuracy	Sensitivity	Precision	Prevalence				
1 metre	92.00%	92.00%	100.00%	100.00%				
2 metre	88.00%	88.00%	100.00%	100.00%				