

Weapon Zeroing and Warriors' Range Efficiency Analysis System of Small Arms for Bangladesh Army

Experimental Study

Group - B02

Date - October 21, 2019

Group members:

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Experiment Conduction Data Sheet:

Web based Management System

Task 1: Logging to System

Task 2: Check for Grouping Result

Task 3: Check for SOSN Result

Participant Name: Abul Kalam (Soldier)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	2s	Success	Required:1 Expected:1	1	0
Task 2	3s	Success	Required:1 Expected:1	1	0
Task 3	2s	Success	Required:1 Expected:1	1	0

Participant Name: Ashik Ahmed (Soldier)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1.5s	Success	Required:1 Expected:1	1	0
Task 2	2s	Success	Required:2 Expected:1	1	0
Task 3	3s	Success	Required:1 Expected:1	1	0

Participant Name: Md. Ruhul Alam (Sub Unit Commander)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1.5s	Success	Required:1 Expected:1	1	0
Task 2	2s	Success	Required:1 Expected:1	1	0
Task 3	3s	Success	Required:2 Expected:1	1	0

Participant Name: Md. Sabbir Bhuiya (Sub Unit Commander)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1s	Success	Required:1 Expected:1	1	0
Task 2	3s	Success	Required:2 Expected:1	1	0
Task 3	1.5s	Success	Required:1 Expected:1	1	0

Android Application

Task 1: Logging to System

Task 2: Check for Grouping Result

Task 3: Check for SOSN Result

Participant Name: Abul Kalam (Soldier)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	2s	Success	Required:1 Expected:1	1	0
Task 2	3s	Success	Required:1 Expected:1	1	0
Task 3	2s	Success	Required:1 Expected:1	1	0

Participant Name: Ashik Ahmed (Soldier)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1.5s	Success	Required:1 Expected:1	1	0
Task 2	2s	Success	Required:2 Expected:1	1	0
Task 3	3s	Success	Required:1 Expected:1	1	0

Participant Name: Md. Ruhul Alam (Sub Unit Commander)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1.5s	Success	Required:1 Expected:1	1	0
Task 2	2s	Success	Required:1 Expected:1	1	0
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Participant Name: Md. Sabbir Bhuiya (Sub Unit Commander)

Task No.	Task Completion Time	Success/Fail	No. of Click Requires Vs Expected	No. of Attempts	No. of Asking Help
Task 1	1s	Success	Required:1 Expected:1	1	0
Task 2	3s	Success	Required:2 Expected:1	1	0
Task 3	1.5s	Success	Required:1 Expected:1	1	0

Post Questionnaires

Web Based Management System

Question	Answer	Participant Name
Is the website satisfactory to perform your task?	Yes	Abul Kalam (Soldier)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Is the website satisfactory to perform your task?	Yes	Ashik Ahmed (Soldier)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Is the website satisfactory to perform your task?	Yes	Md. Ruhul Alam (Sub Unit Commander)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Is the website satisfactory to perform your task?	Yes	Md. Sabbir Bhuiya (Sub Unit Commander)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Android Application

Question	Answer	Participant Name
Is the app satisfactory to perform your task?	Yes	Abul Kalam (Soldier)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Is the app satisfactory to perform your task?	Yes	Ashik Ahmed (Soldier)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Is the app satisfactory to perform your task?	Yes	Md. Ruhul Alam (Sub Unit Commander)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Question	Answer	Participant Name
Is the app satisfactory to perform your task?	Yes	Md. Sabbir Bhuiya (Sub Unit Commander)
While performing a particular task, have you ever feel puzzled regarding the completion of the respective task?	Yes	
Are you getting all required data?	Yes	
Do you recommend others to use it?	Yes	

Pre Questionnaires

Question	Answer	Participant Name
Do you recommend using machine for weapon zeroing?	Yes	Abul Kalam (Soldier)
Do you recommend using both app and web based system for controlling the system?	Yes	
Do you recommend introducing this system to all units of BD Army?	Yes	
Is using software and the system more troublesome than human based zeroing?	No	

Question	Answer	Participant Name
Do you recommend using machine for weapon zeroing?	Yes	Ashik Ahmed (Soldier)
Do you recommend using both app and web based system for controlling the system?	Yes	
Do you recommend introducing this system to all units of BD Army?	Yes	
Is using software and the system more troublesome than human based zeroing?	No	

Question	Answer	Participant Name
Do you recommend using machine for weapon zeroing?	Yes	Md. Ruhul Alam (Sub Unit Commander)
Do you recommend using both app and web based system for controlling the system?	Yes	
Do you recommend introducing this system to all units of BD Army?	Yes	
Is using software and the system more troublesome than human based zeroing?	No	

Question	Answer	Participant Name
Do you recommend using machine for weapon zeroing?	Yes	Md. Sabbir Bhuiya (Sub Unit Commander)
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