



OVERSEE – An AI based Driver State Monitoring System

EXPERIMENT DESIGN DOCUMENT

GOLF – SECTION A

GROUP MEMBERS:

TASNIA IQBAL: 201814030

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Experiment Conduction Data Sheet:
OVERSEE - AI Based Driver State Monitoring System:

Task 01: Enter the Web App

Task 02: Show Current State

Task 03: Inattention Detection

Task 04: Disgust Detection

Task 05: Drowsiness Detection

Task 06: Show Current Location and suggest parking spots

Participant Name: Aminul Islam

Task NO.	Task Completion Time	Success/Fail	No. of action Requires Vs Expected	No. of Attempts
Task 1	5s	success	1/1	1
Task 2	7s	success	1/1	1
Task 3	2.5 min	success	4/2	3
Task 4	1 min	fail	2/2	4
Task 5	2 min	success	3/2	3
Task 6	10s	success	1/1	1

Participant Name: Lutfar Rahman

Task NO.	Task Completion Time	Success/Fail	No. of action Requires Vs Expected	No. of Attempts
Task 1	7s	success	1/1	1
Task 2	10s	success	1/1	1
Task 3	1.5 min	fail	5/2	5
Task 4	2 min	fail	3/2	3
Task 5	57s	success	2/2	2
Task 6	8 s	success	1/1	1

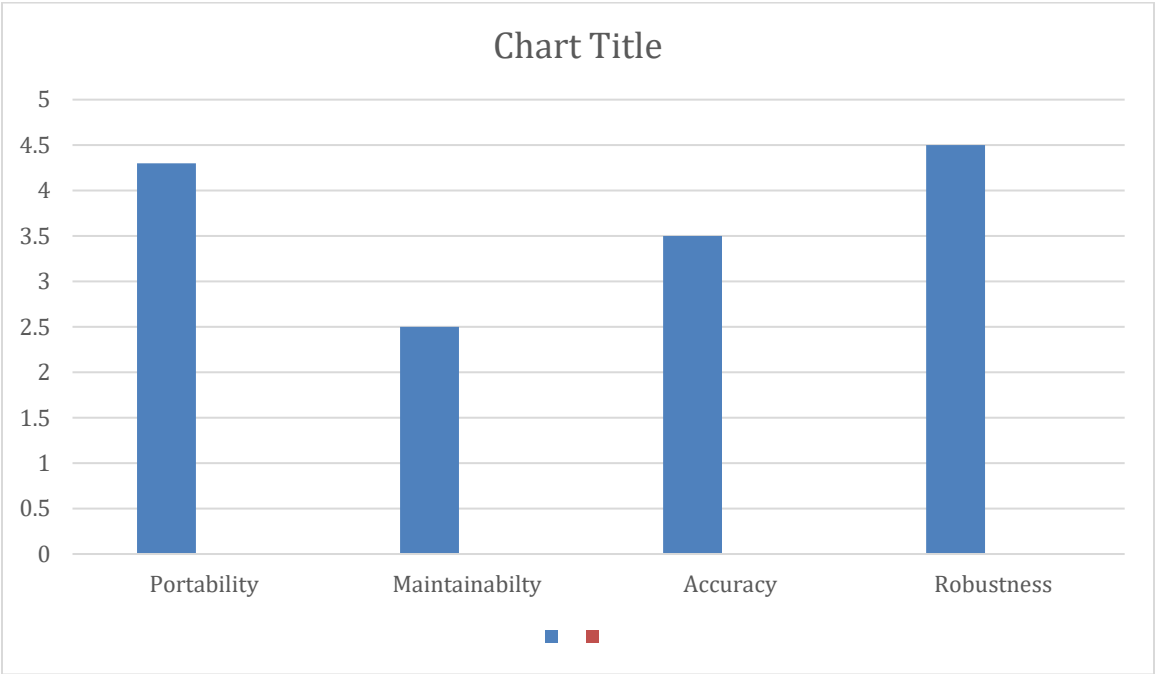
Participant Name: Altaf Hossain

Task NO.	Task Completion Time	Success/Fail	No. of action Requires Vs Expected	No. of Attempts
Task 1	6s	success	1/1	1
Task 2	11s	success	1/1	1
Task 3	2 min	success	3/2	3
Task 4	1.5 min	Success	4/2	4
Task 5	3 min	fail	3/2	3
Task 6	15 s	success	1/1	1

Participant Name: Naim Hossain

Task NO.	Task Completion Time	Success/Fail	No. of action Requires Vs Expected	No. of Attempts
Task 1	8s	success	1/1	1
Task 2	25s	fail	3/1	3
Task 3	2.1 min	success	4/2	3
Task 4	2.6 min	fail	2/2	4
Task 5	2 min	success	3/2	3
Task 6	10s	success	1/1	1

Evaluating Factors:



Pre-Questions:

1. Do you want a dedicated device to monitor you while you are driving to ensure your safety?

- Yes
- No
- Maybe

2. If there was a dedicated device which will detect whether the driver is drowsy or inattentive and alert you accordingly, the rate of accidents will decrease enormously. Do you agree with the above statement? Please rate as follows -

- Strongly agree
- Agree
- Disagree
- Strongly disagree
- Neutral

3. If you ever wished to have the system then what features you want it to cover?

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4. Have you ever faced any accident or a reckless or careless driver who might got you in a accident for the lack of consciousness?

5. If you have faced this kind of situation, what do you think about the necessity of having this kind of device on your daily life?

- Very necessary
- Neutral
- Not necessary

Post Question:

1. How was your experience using OverSee for minimizing the risks while you're driving on the road?
 - Strongly satisfied
 - Satisfied
 - Dissatisfied
 - Strongly dissatisfied
 - Neutral
2. Do you think OverSee gives you accurate result when detecting the current states of the driver?
 - Yes
 - No
 - Maybe
3. When the driver is stressed or drowsy OverSee suggests nearby parking spots or coffee shops, it helps to calm down the driver and ensures a safe journey. Do you agree with this?
 - Strongly agree
 - Agree
 - Disagree
 - Strongly disagree
 - Neutral
4. Do you prefer alerting the user with the alarm system?
 - Yes
 - No
 - Maybe
5. If you have any suggestion for Web app improve navigation/ design/ any other aspects, please describe briefly.
