ACCEPTABILITY OF ONLINE BUS TRACKING SYSTEM USING ARDUINO

(adapted from ISO 9126-1 by McCall (1997))

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Respondent (optional): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sex: \_\_ Male \_\_ Female

Direction: Please evaluate/rate the following items to determine the acceptability of the Online Bus Tracking System Using Arduino by checking the corresponding box using the scale below:

5 – Excellent

4 – Very Good

3 – Good

2 – Fair

1 – Poor

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Functionality** | | 5 | 4 | 3 | 2 | 1 |
| 1 | Suitability – The functions of the system are appropriate. |  |  |  |  |  |
| 2 | Accuracy – The system’s results are accurate. |  |  |  |  |  |
| 3 | Compliance – It adheres to existing standards and policies. |  |  |  |  |  |
| 4 | Security – It prevents unauthorized access. |  |  |  |  |  |
| **Reliability** | |  |  |  |  |  |
| 1 | Maturity – There is minimal frequency of software faults/failures. |  |  |  |  |  |
| 2 | Fault Tolerance – The system has capability of handling system errors. |  |  |  |  |  |
| 3 | Recoverability – System’s performance is re-establishing from failure. |  |  |  |  |  |
| **Usability** | |  |  |  |  |  |
| 1 | Understandability – Concepts are easily recognized. |  |  |  |  |  |
| 2 | Learnability – Effort in learning the system is reduced. |  |  |  |  |  |
| 3 | Operability – The system is easy to use or operate. |  |  |  |  |  |
| **Efficiency** | |  |  |  |  |  |
| 1 | Time Behavior – There is fast response time of the system. |  |  |  |  |  |
| 2 | Resource Behavior – Resources used for system performance are accessible. |  |  |  |  |  |
| **Maintainability** | |  |  |  |  |  |
| 1 | Analyzability – There is less effort in identifying system failure causes. |  |  |  |  |  |
| **Portability** | |  |  |  |  |  |
| 1 | Adaptability – Specification changes are done easily. |  |  |  |  |  |
| 2 | Installability – There is effortless process of installing the system. |  |  |  |  |  |
| 3 | Conformance – System is compliant to portability standards. |  |  |  |  |  |
| 4 | Replaceability – Ease to exchange a system component within a specified environment. |  |  |  |  |  |

Comments:

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This is the end of the survey questionnaire. Thank you very much for your time and generous cooperation.

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Respondent’s Signature