**EVALUATION INSTRUMENT FOR SOFTWARE MATERIAL (ISO 25010)**

***(Title of the study*)**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Position: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Instruction: Please evaluate the software material by using the given scale and placing a checkmark(✓) under the corresponding numerical rating:

**Numerical Rating Equivalent**

5 Excellent

4 Very Good

3 Good

2 Fair

1 Poor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INDICATOR** | **5** | **4** | **3** | **2** | **1** |
| 1. **Functional Suitability** |  |  |  |  |  |
| 1. **Functional completeness.** Degree to which the set of functions covers all the specified tasks and user objectives. |  |  |  |  |  |
| 1. **Functional correctness.** Degree to which a product or system provides the correct results with the needed degree of precision. |  |  |  |  |  |
| 1. **Functional appropriateness.** Degree to which the functions facilitate the accomplishment of specified tasks and objectives. |  |  |  |  |  |
| 1. **Performance Efficiency** |  |  |  |  |  |
| 1. **Time behavior.** Degree to which the response and processing times and throughput rates of a product or system, when performing its functions, meet requirements. |  |  |  |  |  |
| 1. **Resource utilization.** Degree to which the amounts and types of resources used by a product or system, when performing its functions, meet requirements. |  |  |  |  |  |
| 1. **Capacity.** Degree to which the maximum limits of a product or system parameter meet requirements. |  |  |  |  |  |
| 1. **Compatibility** |  |  |  |  |  |
| 1. **Co-existence.** Degree to which a product can perform its required functions efficiently while sharing a common environment and resources with other products, without detrimental impact on any other product. |  |  |  |  |  |
| 1. **Interoperability.** Degree to which two or more systems, products or components can exchange information and use the information that has been exchanged. |  |  |  |  |  |
| 1. **Usability** |  |  |  |  |  |
| 1. **Appropriateness recognizability.** Degree to which users can recognize whether a product or system is appropriate for their needs. |  |  |  |  |  |
| 1. **Learnability.** degree to which a product or system can be used by specified users to achieve specified goals of learning to use the product or system with effectiveness, efficiency, freedom from risk and satisfaction in a specified context of use. |  |  |  |  |  |
| 1. **Operability.** Degree to which a product or system has attributes that make it easy to operate and control. |  |  |  |  |  |
| 1. **User error protection.** Degree to which a system protects users against making errors. |  |  |  |  |  |
| 1. **User interface aesthetics.** Degree to which a user interface enables pleasing and satisfying interaction for the user. |  |  |  |  |  |
| 1. **Accessibility.** Degree to which a product or system can be used by people with the widest range of characteristics and capabilities to achieve a specified goal in a specified context of use. |  |  |  |  |  |
| 1. **Reliability** |  |  |  |  |  |
| 1. **Maturity.** Degree to which a system, product or component meets needs for reliability under normal operation. |  |  |  |  |  |
| 1. **Availability**. Degree to which a system, product or component is operational and accessible when required for use. |  |  |  |  |  |
| 1. **Fault tolerance.** Degree to which a system, product or component operates as intended despite the presence of hardware or software faults. |  |  |  |  |  |
| 1. **Recoverability.** Degree to which, in the event of an interruption or a failure, a product or system can recover the data directly affected and re-establish the desired state of the system. |  |  |  |  |  |
| 1. **Security** |  |  |  |  |  |
| 1. **Confidentiality.** Degree to which a product or system ensures that data are accessible only to those authorized to have access. |  |  |  |  |  |
| 1. **Integrity.** Degree to which a system, product or component prevents unauthorized access to, or modification of, computer programs or data. |  |  |  |  |  |
| 1. **Non-repudiation.** degree to which actions or events can be proven to have taken place, so that the events or actions cannot be repudiated later. |  |  |  |  |  |
| 1. **Accountability.** Degree to which the actions of an entity can be traced uniquely to the entity. |  |  |  |  |  |
| 1. **Authenticity.** Degree to which the identity of a subject or resource can be proved to be the one claimed. |  |  |  |  |  |
| 1. **Maintainability** |  |  |  |  |  |
| 1. **Modularity.** Degree to which a system or computer program is composed of discrete components such that a change to one component has minimal impact on other components. |  |  |  |  |  |
| 1. **Reusability.** Degree to which an asset can be used in more than one system, or in building other assets. |  |  |  |  |  |
| 1. **Analyzability.** Degree of effectiveness and efficiency with which it is possible to assess the impact on a product or system of an intended change to one or more of its parts, or to diagnose a product for deficiencies or causes of failures, or to identify parts to be modified. |  |  |  |  |  |
| 1. **Modifiability.** Degree to which a product or system can be effectively and efficiently modified without introducing defects or degrading existing product quality. |  |  |  |  |  |
| 1. **Testability.** Degree of effectiveness and efficiency with which test criteria can be established for a system, product or component and tests can be performed to determine whether those criteria have been met. |  |  |  |  |  |
| 1. **Portability** |  |  |  |  |  |
| 1. **Adaptability.** Degree to which a product or system can effectively and efficiently be adapted for different or evolving hardware, software or other operational or usage environments. |  |  |  |  |  |
| 1. **Installability.** Degree of effectiveness and efficiency with which a product or system can be successfully installed and/or uninstalled in a specified environment. |  |  |  |  |  |
| 1. **Replaceability.** Degree to which a product can replace another specified software product for the same purpose in the same environment. |  |  |  |  |  |

Recommendations:

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Signature of Respondent