# PAMANTASAN NG LUNGSOD NG MUNTINLUPA

**GRADUATE STUDIES**

**N.B.P. RESERVATION POBLACION, MUNTINLUPA CITY**

**EVALUATION INSTRUMENT (for IT Experts)**

## "SAFESTREETS: A WEB APPLICATION FOR COMMUNITY-BASED CRIME REPORTING AND ANALYSIS"

**General Direction:** Please accomplish this questionnaire very carefully and honesty. Please rest assured that any information that you supply will be treated with the greatest confidentiality and anonymity.

**Name:** _____ **Position:** _____

**Sex:** _____ Male _____ Female

**Instruction:** Please evaluate the prototype 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 |

| INDICATORS | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|
| A. **Functional Suitability** | | | | | |
| 1. **Functional Completeness** – the set of functions covers all the specified tasks and user objectives | | | | | |
| 2. **Functional Correctness** – a product or system provides the correct results with the needed degree of precision | | | | | |
| 3. **Functional Appropriateness** – the functions facilitate the accomplishment of specified tasks and objectives | | | | | |
| B. **Performance Efficiency** | | | | | |
| 1. **Time Behavior** – the response and processing times and amount rates of a product or system, when performing its functions, meet requirements | | | | | |
| 2. **Resource Utilization** - the amounts and types of resources used by a product or system, when performing its functions, meet requirements | | | | | |
| 3. **Capacity** - the maximum limits of a product or system parameter meet requirements | | | | | |
| C. **Compatibility** | | | | | |
| 1. **Co-existence** – product can perform its required functions efficiently while sharing a common environment and resources with other products, without detrimental impact on any other product | | | | | |
| 2. **Interoperability –** two or more systems, products or components can exchange information and use the information that has been exchanged | | | | | |
| D. **Usability** | | | | | |
| 1. **Appropriateness Recognizability –** users can recognize whether a product or system is appropriate for their needs | | | | | |
| 2. **Learnability –** easy to learn to use the product or system | | | | | |
| 3. **Operability –** product or system has attributes that make it easy to operate and control | | | | | |
| 4. **User Error Protection –** system protects users against making errors | | | | | |
| 5. **User Interface Aesthetics –** user interface enables pleasing and satisfying interaction for the user | | | | | |
| 6. **Accessibility –** 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 | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| E. | **Reliability** | | | | | |
| | **1. Maturity –** system, product or component meets needs for reliability under normal operation | | | | | |
| | **2. Availability –** system, product or component is operational and accessible when required for use | | | | | |
| | **3. Fault Tolerance -** system, product or component operates as intended despite the presence of hardware or software faults | | | | | |
| | **4. Recoverability -** 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 | | | | | |
| F. | **Security** | | | | | |
| | **1. Confidentiality -** a product or system ensures that data are accessible only to those authorized to have access | | | | | |
| | **2. Integrity -** system, product or component prevents unauthorized access to, or modification of, computer programs or data | | | | | |
| | **3. Non-Repudiation -** actions or events can be proven to have taken place, so that the events or actions cannot be repudiated later | | | | | |
| | **4. Accountability -** the actions of an entity can be traced uniquely to the entity | | | | | |
| | **5. Authenticity -** the identity of a subject or resource can be proved to be the one claimed | | | | | |
| G. | **Maintainability** | | | | | |
| | **1. Modularity –** system or computer program is composed of discrete components such that a change to one component has minimal impact on other components | | | | | |
| | **2. Reusability -** an asset can be used in more than one system, or in building other assets | | | | | |
| | **3. Analysability -** provide mechanisms for the product or system to analyze its own faults and provide reports prior to a failure or other event. | | | | | |
| | **4. Modifiability -** product or system can be effectively and efficiently modified without introducing defects or degrading existing product quality | | | | | |
| | **5. Testability -** 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 | | | | | |
| H. | **Portability** | | | | | |
| | **1. Adaptability –** a product or system can effectively and efficiently be adapted for different or evolving hardware, software or other operational or usage environments | | | | | |
| | **2. Installability -** effectiveness and efficiency with which a product or system can be successfully installed and/or uninstalled in a specified environment | | | | | |
| | **3. Replaceability -** product can replace another specified software product for the same purpose in the same environment | | | | | |

**Summary:** **Sum**

**a.** Functional Suitability ---------- _____
**b.** Performance Efficiency ---------- _____
**c.** Compatibility ---------- _____
**d.** Usability ---------- _____
**e.** Reliability ---------- _____
**f.** Security ---------- _____
**g.** Maintainability ---------- _____
**h.** Portability ---------- _____

**Total Score** ---------- _____

**Action Taken:** _____