Republic of the Philippines

**CAVITE STATE UNIVERSITY**

Cavite College ­­of Arts and Trades

CvSU-CCAT Campus

Rosario, Cavite

**SOFTWARE EVALUATION INSTRUMENT FOR**

**<AUTOMATED TIMETABLE SCHEDULING SYSTEM USING BACKTRACKING ALGORITHM>\***

(For Web Developers)

*To the respondents,*

The primary objective of this software evaluation is to assess your perception on the different technical and non-technical characteristics of the software material. As a participant, your responses to this instrument shall signify for your consent to disclose your opinions and other information relevant to the requirements of the instrument, and the evaluation in general. Rest assured that as a participant, you will be given the highest level of anonymity and any personal information that will be disclosed will be treated with confidentiality. All the information to be gathered shall solely serve educational purposes.

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| **Name of Respondent:** |  | **Age:** |  | **Gender:** | | ( ) M ( ) F |
| **Profession/Occupation** |  | **Affiliation:** | | |  | |

***General Instruction:*** Evaluate the characteristics of the web application using the rating scale below. Place a checkmark (✓) on the corresponding numerical rating.

***Rating Scale***

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| --- | --- |
| **NUMERICAL RATING** | **DESCRIPTION** |
| 5 | Excellent |
| 4 | Very Satisfactory |
| 3 | Satisfactory |
| 2 | Unsatisfactory |
| 1 | Needs Improvement |

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| **INDICATOR** | **5** | **4** | **3** | **2** | **1** |
| **A. 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 the functions provide the correct results with precision |  |  |  |  |  |
| 1. Functional appropriateness - degree to which the functions facilitate the accomplishment of specified tasks and objectives |  |  |  |  |  |

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| **INDICATOR** | **5** | **4** | **3** | **2** | **1** |
| **B. Performance Efficiency** | | | | | |
| 1. Time behavior - degree to which the responses, processing times, and throughput rates of the website meet the requirements when performing its functions |  |  |  |  |  |
| 1. Resource utilization - degree to which the amounts and the types of resources used by the website meet the requirements when performing its functions |  |  |  |  |  |
| 1. Capacity - degree to which the maximum limitations of the website or its components meet the requirements |  |  |  |  |  |
| **C. Usability** | | | | | |
| 1. Appropriateness recognizability - degree to which users recognize the appropriateness of the website based on their needs |  |  |  |  |  |
| 1. Learnability - degree to which the website enables the user to learn how to use the software effectively |  |  |  |  |  |
| 1. Operability - degree to which the website is easy to operate, control, and be used appropriately |  |  |  |  |  |
| 1. User error protection - degree to which the website protects the user from making errors |  |  |  |  |  |
| 1. User interface aesthetics - degree to which the user interface enables pleasing and satisfying interaction with the user |  |  |  |  |  |
| 1. Accessibility - degree to which the website can be used in a specific context with the widest range of characteristics and capabilities to achieve a specific goal |  |  |  |  |  |
| **D. Security** | | | | | |
| 1. Confidentiality -degree to which the website ensures that the data are only accessible by those who have authorized access |  |  |  |  |  |
| 1. Integrity - degree to which the website prevents unauthorized access to and or modifications of computer programs or data |  |  |  |  |  |
| **E. Maintainability** | | | | | |
| 1. Modularity - degree to which the website consists of discrete components so that a change on one component pose minimal impact to 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 on possibly assessing the impact of an intended change to one or more parts of the website; diagnosing deficiencies or causes of failures; and or identifying parts of the website to be modified |  |  |  |  |  |
| **INDICATOR** | **5** | **4** | **3** | **2** | **1** |
| **E. Maintainability** | | | | | |
| 1. Modifiability - degree to which the website can be effectively and efficiently modified without introducing defects or degrading existing quality |  |  |  |  |  |
| 1. Testability - degree in which test criteria can be efficiently and effectively established and the software or components can be tested to determine whether test criteria were met |  |  |  |  |  |
| **F. Portability** | | | | | |
| 1. Adaptability - degree to which the website can be effectively and efficiently adapted for different or evolving hardware, software, or other operational or usage environments. |  |  |  |  |  |

**Remarks:**

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*Certified true and correct:*

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Signature over printed name of evaluator Date