**Purpose:** Evaluate the **“A COMPREHENSIVE MOBILE WEB-BASED ATTENDANCE MONITORING SYSTEM WITH INTEGRATED ANALYTICS FOR SCHOOL EVENT OF THE UNIVERSITY”** for SNSU events.

**Instructions:** Complete the profile items, then answer every question in Section B. For statements, rate on a 1–5 scale (1 = Strongly Disagree, 5 = Strongly Agree). Select one option for multiple-choice items. Provide concise, honest answers for the open-ended questions.

**Section A – Respondent Profile**

|  |  |
| --- | --- |
| 1. Which year level are you currently enrolled in? | ☐ 1st year ☐ 2nd year ☐ 3rd year ☐ 4th year ☐ 5th year or higher ☐ Graduate student ☐ Faculty/Staff/Administrator |
| 1. How often do you attend university events that require attendance each semester? | ☐ 0–1 event ☐ 2–3 events ☐ 4–5 events ☐ 6 or more events |

**Section B – System Evaluation (Likert)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **System Usability & User Experience** | 1 | 2 | 3 | 4 | 5 |
| 1. The system’s layout made it easy to find what I needed during event check-in. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. On-screen instructions were clear at every step of confirming attendance. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. Scanning the event QR code worked smoothly without repeated attempts. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. Capturing a selfie with the event backdrop felt straightforward. | ☐ | ☐ | ☐ | ☐ | ☐ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Efficiency & Performance** | 1 | 2 | 3 | 4 | 5 |
| 1. My attendance status updated in real time after submission. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. GPS location verification completed within a reasonable time. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. The system stayed responsive even during peak check-in periods. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. The process of scanning the QR code and completing the attendance check-in was quick. | ☐ | ☐ | ☐ | ☐ | ☐ |

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| --- | --- | --- | --- | --- | --- |
| **Security & Fraud Prevention** | 1 | 2 | 3 | 4 | 5 |
| 1. Combining QR, GPS, and selfie verification increased my confidence that proxy attendance is prevented. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. I felt that my personal data (photo, location, and signature) was transmitted and stored securely. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. Permission prompts for camera and location access were transparent and easy to understand. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. I trust the system to stop unauthorized changes to attendance records. | ☐ | ☐ | ☐ | ☐ | ☐ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Analytics & Reporting Features** | 1 | 2 | 3 | 4 | 5 |
| 1. The real-time dashboard summaries helped me (or my team) monitor attendance effectively during the event. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. The downloadable PDF/CSV reports contained the data needed for post-event documentation. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. Visual analytics (e.g., attendance trends, peak check-in times) were easy to interpret. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 1. Accessing the system through a mobile web browser (without installing an app) was convenient. | ☐ | ☐ | ☐ | ☐ | ☐ |

**Section C – System Evaluation (Multiple Choice)**

|  |  |
| --- | --- |
| **Questions** | **Choices** |
| 1. Which part of the attendance process required the most effort for you? | ☐ Navigating to the event page  ☐ Scanning the QR code  ☐ Granting location permission  ☐ Taking the selfie  ☐ Submitting the form |
| 1. During your experience, how often did you encounter system errors (e.g., failed submissions, timeouts)? | ☐ Never  ☐ Once  ☐ Two or three times  ☐ More than three times |
| 1. Which device did you primarily use to access the system? | ☐ Android phone  ☐ iPhone  ☐ Tablet  ☐ Laptop/desktop  ☐ Other (please specify): \_\_\_\_\_\_\_\_\_\_ |

**Section C – System Evaluation (Open-Ended)**

1. What aspects of the attendance system worked best for you, and why? (Open)  
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2. What improvements or additional features would make the system more effective for future SNSU events? (Open)

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### **General Objectives**

This study is to system that improves the accuracy, security, and convenience of tracking event attendance. The system utilizes GPS tracking along with QR code scanning and biometric verification to provide a safe and reliable mechanism for recording attendance at SNSU school events.

### **Specific Objectives**

Specifically, this system aimed to:

1. Develop an Event Attendance Management.
2. QR Code-Based Attendance Tracking.
3. Locate and Visual Verification Features.
4. Automated Reporting and Data Analytics.

### **Scope**

This study was conducted at Surigao del Norte State University (SNSU) from the second semester to the first semester of the 2025-2026 academic year. This system uses QR code scanning, GPS location, and selfie verification to improve attendance for school events. The proposed system will be tested at SNSU and evaluated for its accuracy, security, and efficiency.

The core features of the event attendance system include:

#### Develop an Event Attendance Management.

1. Develop an event attendance management based on Django
2. Integrate a student’s authentication system to secure event data and students information.
3. Implement a web-based interface for both students and moderators.

#### QR Code-Based Attendance Tracking

1. Generate unique QR codes for each event.
2. Implement encryption on QR codes.

#### Locate and Visual Verification Features.

1. Integrate location-based technologies to track student at scheduled event and verify participation.
2. Implement selfie verification with event backgrounds to prevent proxy attendance.

#### Automated Reporting and Data Analytics.

1. Real-time attendance updates.
2. Generate attendance reports via CSV or PDF Format.
3. Maintain system logs to track students and moderator activities.