



Feb 11, 2025

John Baltazar B. Cervantes  
USC President  
Surigao del Norte State University Main Campus  
Narciso St., Brgy. Taft, Surigao City

Dear Sir;

Good Day!

We, the 3rd-year BSCS students of SNSU, have completed our thesis project "**A Comprehensive Mobile Web-Based Attendance Monitoring System with Integrated Analytics for School Event of the University**" incorporating recommendations from our defense panel.

Key Features:

1. Multi-Factor Verification: QR scanning, GPS tracking, selfie verification, digital signatures
2. Automated Management: Event creation, QR generation, real-time monitoring
3. Analytics Dashboard: Attendance statistics and pattern analysis
4. Reporting: PDF/CSV exports with photos and customizable reports

We respectfully request permission to deploy in three phases:

Phased Approach:

- Phase 1: BSCS pilot testing
- Phase 2: Expansion to all CCIS programs
- Phase 3: University-wide USC events implementation

During deployment, we will conduct user testing, gather feedback, and provide training to organizers. Our system uses Next.js, PostgreSQL, Cloudinary, and JWT authentication with strict data privacy protocols.

This approach ensures SNSU receives a robust solution that eliminates attendance fraud, reduces processing time, and provides data-driven insights.

We are available to demonstrate the system and address any questions. Thank you for your consideration.

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Sincerely:

NILO JR. OLANG

BSCS Student

CRICEDINE P. PEÑARANDA

BSCS Student

Noted by:

UNIFE O. CAGAS, DTE

Thesis Professor/Adviser

Recommending Approval:

VIRNILLE C. FRANCISCO, PhEd

CCIS - Dean

Approved by:

JOHN BALTAZAR B. CERVANTES

USC President