Centro Universitario de los Valles

Maestría en Ingeniería de Software

Software Configuration Management Project

Audit for Virtual Assistant for Recognizing Dangerous Roads.

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Points Considered:

Change Requests Accepted (CR):
- Verify the status of all change requests, ensuring they were accurately documented and implemented.

Risk Evaluation:
- Assess the identified risks associated with real-time data transmission, privacy concerns, and potential misuse. Evaluate how effectively they were managed and mitigated throughout the development process.

Team and Staff Performance:
- Examine the performance of the development team and staff involved in implementing security features, considering factors such as productivity, collaboration, and adherence to timelines.

Resource Utilization:
- Evaluate the utilization of resources, including time, personnel, and technology, to ensure efficiency and optimal allocation in the development of security-related functionalities.

Methodology Review:
- Scrutinize the adopted development methodology to ensure adherence to best practices and its effectiveness in achieving project goals.

Communication Channels:
- Assess the effectiveness of communication channels within and between departments, particularly focusing on features like in-app communication and notification systems.

Standards and Help:
- Review adherence to established standards and the availability of supportive resources, ensuring compliance with industry norms and best practices.

Audit Objectives:
- Verify the correctness of development practices for security-related features.
- Confirm the accuracy of documentation procedures for security implementations.
- Evaluate the adequacy of communication channels for expressing doubts or conveying information regarding security features.
- Assess the overall workgroup environment for cordiality and a positive atmosphere during the implementation of security functionalities.
- Confirm the completion status of all change requests related to security enhancements.

This audit report aims to provide a comprehensive overview of the SCM process's effectiveness in ensuring the quality and integrity of the Virtual Assistant for Hazardous Road Recognition project. Through thorough examination of the aforementioned points, we strive to ensure that the development and processing phases align with industry standards and project security objectives.