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| Device Tracking and Management  Strategic Device Management for TAFE: RF Scanning and Monitoring Solutions |
| NJS Solutions |



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**Executive Summary**

**1.1 Overview of Solutions**

This report presents two primary solutions for managing and tracking student devices at TAFE. The first solution involves implementing an RF Scanning System that allows students to scan devices in and out of classrooms, while the second solution suggests developing a mobile application that tracks and monitors devices throughout their use. Both solutions aim to enhance accountability, streamline device management, and reduce the risk of loss or theft.

**1.2 Recommended Solution**

After careful consideration of cost, implementation feasibility, and alignment with TAFE’s strategic goals, the RF Scanning System is recommended as the primary solution. This system provides a straightforward and effective method for tracking devices, ensuring real-time monitoring through a centralized dashboard. The mobile application is suggested as a secondary solution that can offer additional tracking features and integrate with existing IT infrastructure for more comprehensive device management.

**Overview of the Issue/Project**

**2.1 Current Challenge**

TAFE currently faces significant challenges in managing and tracking the various devices lent out to students, such as laptops, tablets, and other equipment. The existing process lacks automation and relies heavily on manual tracking methods, which are prone to errors and inefficiencies. As a result, there is an increased risk of devices being lost, stolen, or not returned on time, leading to potential financial losses and disruptions in the learning environment.

**2.2 Project Goal**

The goal of this project is to implement an efficient and reliable device management solution that automates the tracking of devices in real-time. This will involve deploying an RF Scanning System and, if feasible, developing a mobile application to monitor device usage. The ultimate objective is to enhance accountability, reduce the risk of device loss, and streamline the overall process of issuing and returning devices, thereby supporting TAFE’s commitment to operational excellence and resource optimization.