CASE STUDY - AUTOMOBILE

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The Client is an Indian multinational automobile manufacturing corporation headquartered in Mumbai, Maharashtra, India. It is one of the largest vehicle manufacturers by production in India and the largest manufacturer of tractors in the world.

Solution:

RFID Based Laptop Tracking Solution.

Problem / Pain Point:

The Client provides laptops to most of its employees. For security concerns, the company has been checking laptop bags of employees at entry/exit gates. For checking, the employees need to queue up in a line and are required to remove the laptop from the bag. This is a time-consuming process and creates bottlenecks at the gates.

Objective of Project:

1. To enable mapping of employee ID card with respective laptops.
2. To reduce bottlenecks at entry and exit gates.

Solutions Proposed:

1. The Client wanted a solution to map employee ID cards with their laptop. For this purpose, we suggested the QodeATS software. The QodeATS has the capability to configure laptop ID tags with employee IDs.

RFID scanners with antennas will be installed at the entry & exit point or at the security counter. RFID tags will be assigned to employee laptops.

The employees will be required to show his/her ID to access control at the entry/exit gate. Following this he/she will have to put the laptop on the security counter. The RFID reader will then capture information of the laptop ID and fetch user information from central database with photograph. The user photograph and laptop details will then appear on the computer screen. In case of mismatch between employee ID and asset tag, the QodeATS application will generate an alarm.

Benefits:

1. The RFID tags reads the employee ID and laptop tag and generates user details on a computer screen. In case of a mismatch between Employee ID and Laptop an alarm will be generated. This significantly improves the security at the premises.
2. The checking process is also quick, thereby reducing the queuing and bottlenecks occurring at the gates. This improves operational efficiency.