

# TECH CHAMP 2023

Presented by



Simple, Effective IT Solutions

# Problem Statement

Problem ID	Statement
ESS001	Implementation of Software at the organization's entrance gate to identify the employees with Vehicles they are boarding to commute to office.
ESS002	Identification of the vehicle, the employee on driving seat and commuters in passenger seat.
ESS003	The Visitors (Outside stakeholders) must get an automated gate pass and the visitor can collect the visitor's pass from the reception.
ESS004	The software must inform the vehicles approaching the organization gate for entry about whether the Parking area is not vacant or vacant for parking.

# Challenges

Problem ID	Challenges
ESS001	Lack of registry containing the employee vehicle records.
ESS002	Lack of registry containing commuting information of the employees
ESS003	Dependency on manual record keeping is apparent
ESS004	Lack of alert or notification system for Employees

# Potential Outcomes

Problem ID	Potential Outcomes
ESS001	Smart record keeping of Employee vehicles and tracking of presence of Employees in the organization
ESS002	Smart directory containing the commuting information of employees to the office
ESS003	Digital verification of information for visitors
ESS004	Implementation of smart parking rules

# Detailed Criteria

Problem ID	Detailed Criteria
ESS001	The proposed solution must ensure 90% of match for passing correct match . Following this, an alert must be sent to the system pertaining to the information of the commuting individuals.
ESS002	The information pertaining to commuting information must be set up as alerts which can be accessed for details.
ESS003	The visitor information must be set up as alerts which can be accessed for details.
ESS004	The availability of parking spots must be set up as alerts which will let the commuter know the availability of parking spot and the assigned spot.

# Non Functional Requirements

Problem ID	Non Functional Requirements
ESS001	The information related to the employees must be auto updated to improve the accuracy of the application.
ESS002	The information must be maintained to keep proper mapping of commuters to the office.
ESS003	The alerts must be updatable to reflect the correct information pertaining to the alert.
ESS004	The parking lot allotment must be dynamic, enabling to fill the vacate spots once emptied by previous occupier.