TECHNOLOGY ASSESSMENT REPORT

Basic Technology Assessment (1-2 pages)

Generated on June 28, 2025 at 09:21 PM

1. Technology Overview

{'components': [{'name': 'Biometric Authentication', 'description': 'Utilizes unique physical traits of the driver, such as fingerprints, facial recognition, or iris scans, to verify identity.'}, {'name': 'Electronic Driving License (EDL)', 'description': "A secure digital representation of a driver's license that can be stored and transmitted electronically, featuring tamper-proof security measures."}, {'name': 'Vehicle Control Module', 'description': 'An integrated system within the vehicle that communicates with the biometric and EDL systems to grant or deny access based on authentication results.'}], 'functionality': 'The system functions by requiring the driver to authenticate their identity using biometric data. Once verified, the system checks the corresponding EDL for validity and any restrictions. If both authentication steps are successful, the vehicle is enabled for operation.'}