Title	**Vehicle Security Through Face Recognition**
Project Domain	**Infrastructure**
Project Technology	**FPGA**
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Project Idea Abstract	Nowadays there is rapid increase in number of vehicles and so is the number of car theft attempts, locally and internationally. With the invention of strong stealing techniques, owners are in fear of having their vehicles being stolen from common parking lot or from outside their home. Thus the protection of vehicles from theft becomes important due to insecure environment. Real time vehicle security system based on computer vision provides a solution to this problem. This project aims to enhance vehicle safety by incorporating facial recognition technology.The system will utilize camera to capture the driver's face and compare it with a database to identify the driver. We will use Open CV,an open-source computer vision library,to capture driver's face in the vehicle.If a match is found,the system will grant access to the vehicle. If the system detects an unauthorized person,an alarm will sound.And also the location of the vehicle can be found by using GPS.The proposed system provides a secure and reliable means of ensuring vehicle safety by preventing unauthorized access and theft.The final system will provide a reliable and efficient means of vehicle access control using face recognition technology.

Block Diagram