

- **Number of stolen vehicles is increasing day by day.**
- **There is no efficient security system to check if the vehicle has stolen.**
- **There is no additional verification feature in the existing vehicles besides the car key, alarm etc.**

Anti-theft system flowchart

- **Flow of new fingerprint enrollment process**
- **Fingerprint enrollment function is called from the menu option when the user selects option “3”.**
- **Once the fingerprint is successfully stored the function breaks and exits menu option.**

Full Hardware Components setup

- ***This function is called every 2 minutes to checks for any "track" message is send from the registered phone number***
- ***If the conditions are satisfied it gathers the locations info and sends to registered phone number.***

- **Takes place when the fingerprint verification fails for 3 times.**
- **Waits for the authorized user to send a response message.**
- **Based on the response the system turns ON or OFF the ignition system.**

- ***This project satisfies all the objectives stated in the initial stage.***
- ***It provides a better security to the vehicle, prevent theft from happening.***
- ***This additional security feature developed for vehicles will definitely be assuring for the vehicle owners.***

1. Z. B. Kumar and N. Bharathi, "Vehicle Anti-Theft System Using Fingerprint Recognition Technique," *Open Academic Journal of Advanced Science and Technology*, vol. 1, no. 1, pp. 36-41, 2017.

2. F. K. Samuel and Z. Alexander, "Design of Anti-Vehicle Theft System using GSM and GPS with Image Acquisition," *Asian Journal of Engineering and Technology*, vol. 05, no. 04, pp. 82-92, 2017.