Task 18

A self-driving car

INPUT:

- ➔ Entering the destination into the car's navigation system
- ➔ Data collected by safety systems such as sensors, cameras and radars
- ➔ The current location of the car and map of the nearby region

OUTPUT:

- ➔ Expected arrival time
- ➔ Provide guidance about the best routes to avoid heavily used roads
- ➔ Navigate and control the steering, acceleration and braking systems of the car
- ➔ Hazard detection - notify the driver if any possible risks or impediments are identified

Netflix recommendation system

INPUT:

- ➔ Information regarding the user's viewing history and preferences
- ➔ Information about other users' viewing habits and interests
- ➔ Information about films and television series that are currently accessible on Netflix

OUTPUT:

- ➔ Provide recommendations for films and television series the user would like based on their past viewing habits and personal preferences
- ➔ Give recommendations for films and television series that users who share similar interests have found to be enjoyable
- ➔ Offer alternative films and television series in the user's favourite genres.

Signature recognition

INPUT:

- ➔ Image of signature

OUTPUT:

- ➔ Determine whether the signature is genuine
- ➔ Analysis of the signature's attributes, such as the pressure applied, size, slant, and spacing

Medical diagnosis

INPUT:

- ➔ Information about various medical conditions
- ➔ Symptoms described by the patient
- ➔ Medical history of the patient

- ➔ The findings of any tests undertaken

OUTPUT:

- ➔ A medical prognosis for the patient
- ➔ Recommendations for potential treatments