ANSWER PAGE: INPUT PROCESS OUTPUT

Use a voice assistant on the smartphone

INPUT	PROCESS	OUTPUT
A question spoken into a smartphone	Recognise speech and predict what you are asking	Suggest a webpage with information relevant to your question

View a YouTube clip recommended to you

INPUT	PROCESS	OUTPUT
Your past viewing data and data from users with a similar profile	Predict what video clips you might want to view	Recommend a video clip on YouTube

Use thumbprint to unlock a phone

INPUT	PROCESS	OUTPUT
Thumbprint to unlock a smartphone	Recognise a thumbprint (image) and extract features to identity if the image matches the saved image	Enable access to a smartphone if thumbprint (image) is recognised with a very high level of confidence

Talk to a chatbot to get product information

INPUT	PROCESS	OUTPUT
Talk to an online chatbot to ask about a product	Recognise speech and predict what the customer wants information about	Ask the customer a relevant follow-up question

Control home appliances using a virtual assistant

INPUT	PROCESS	OUTPUT
A question is spoken into a smartphone virtual assistant to turn off the lights in your home	Recognise speech and predict what you are asking	Automatically turn off lights

Test drive a driverless car

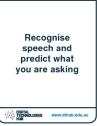| INPUT	PROCESS	OUTPUT
Traffic data, data from on-board sensors and online mapping data	Predict the best route to navigate to the desired location and use data to predict when to stop, slow down, speed up, change lanes and follow the route	Drive a car safely without the help of a human driver

ANSWER PAGE: INPUT PROCESS OUTPUT (cont'd)

	INPUT	PROCESS	OUTPUT
A photo is automatically tagged in a social media app	An image uploaded to a social media site by a user	Recognise an image and extract features to identify if the image matches users on its database	Tag the photo based on a matched user's profile name
Use suggested search terms while searching online	Text typed into a search engine	Recognise text and predict possible search terms	Present a list of possible search terms
Translate spoken words into another language	Speak into a smartphone microphone	Recognise speech and predict what word or phrase the user wants translated	Translate the word or phrase into the selected language
Spam is blocked from your inbox	An email is sent to your email address	The system uses past emails you labelled as spam and classifies text of emails and recognises the email as spam	The system blocks the email from your inbox
Use the predictive text when creating a text message	Text typed into a text messaging app	Recognise text and predict possible words the user wants to type	Suggest three options of possible words the user wants to type