



digital2020
TRANSFORMATION

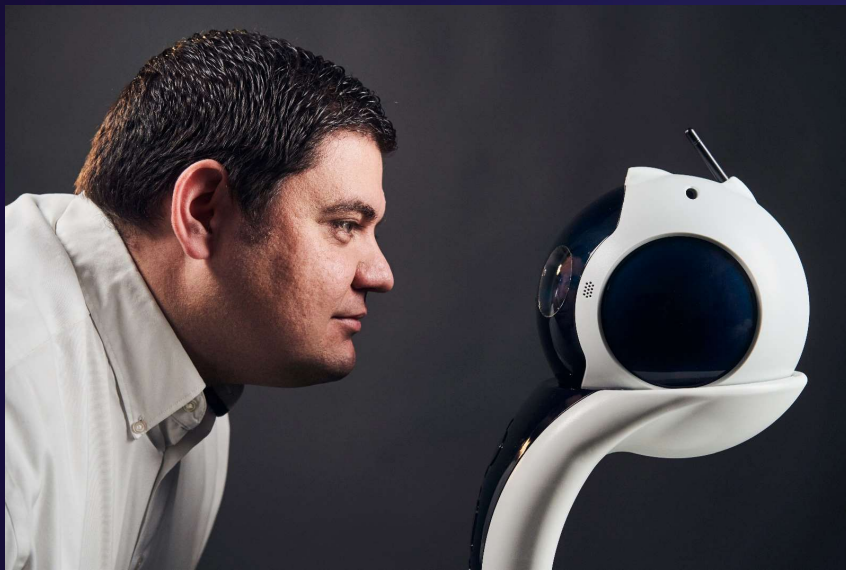
CONNECTING TECHNOLOGIES
FOR A TOTALLY DIGITAL ENVIRONMENT

HOSTED BY
avantech

Transforming the Digitisation Journey using **Artificial Intelligence**

Prof Alexiei Dingli





Prof. Alexiei Dingli

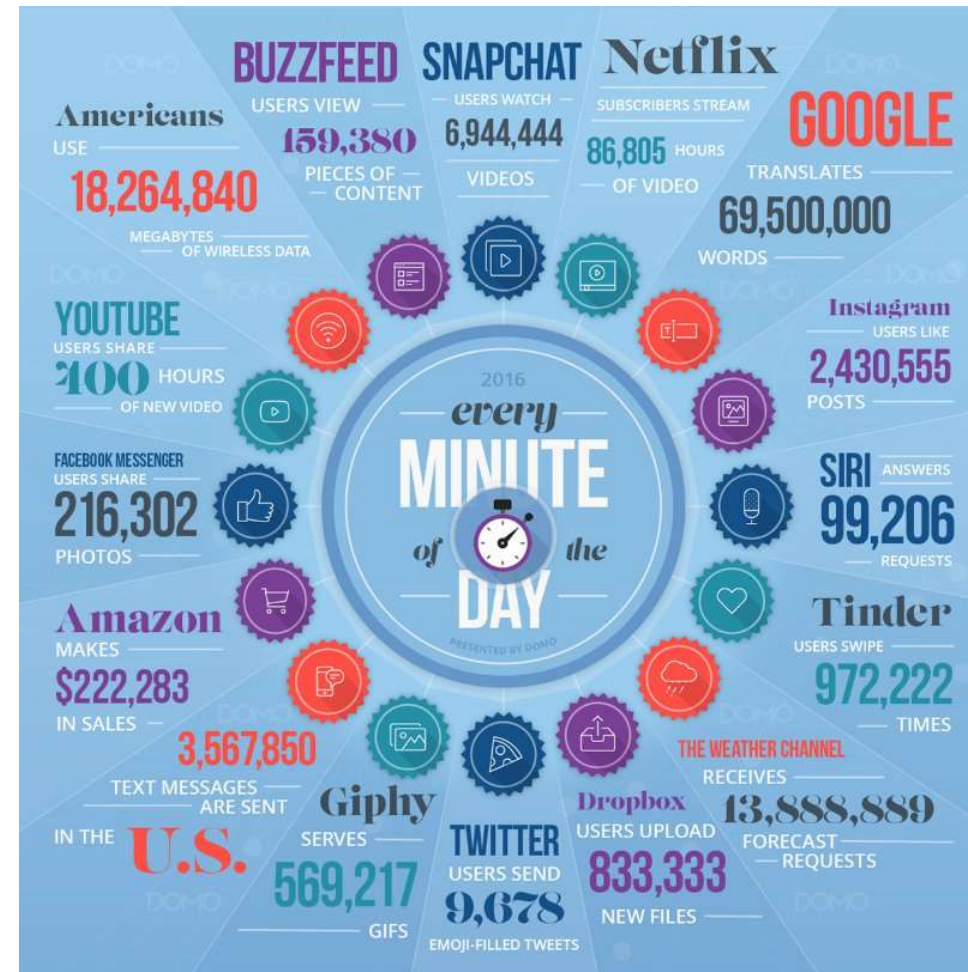
Which are the Emerging Technologies?



THE CLOUD



Big Data



IOT



QUANTUM COMPUTING



What is Artificial Intelligence?



AUGMENTED REALITY

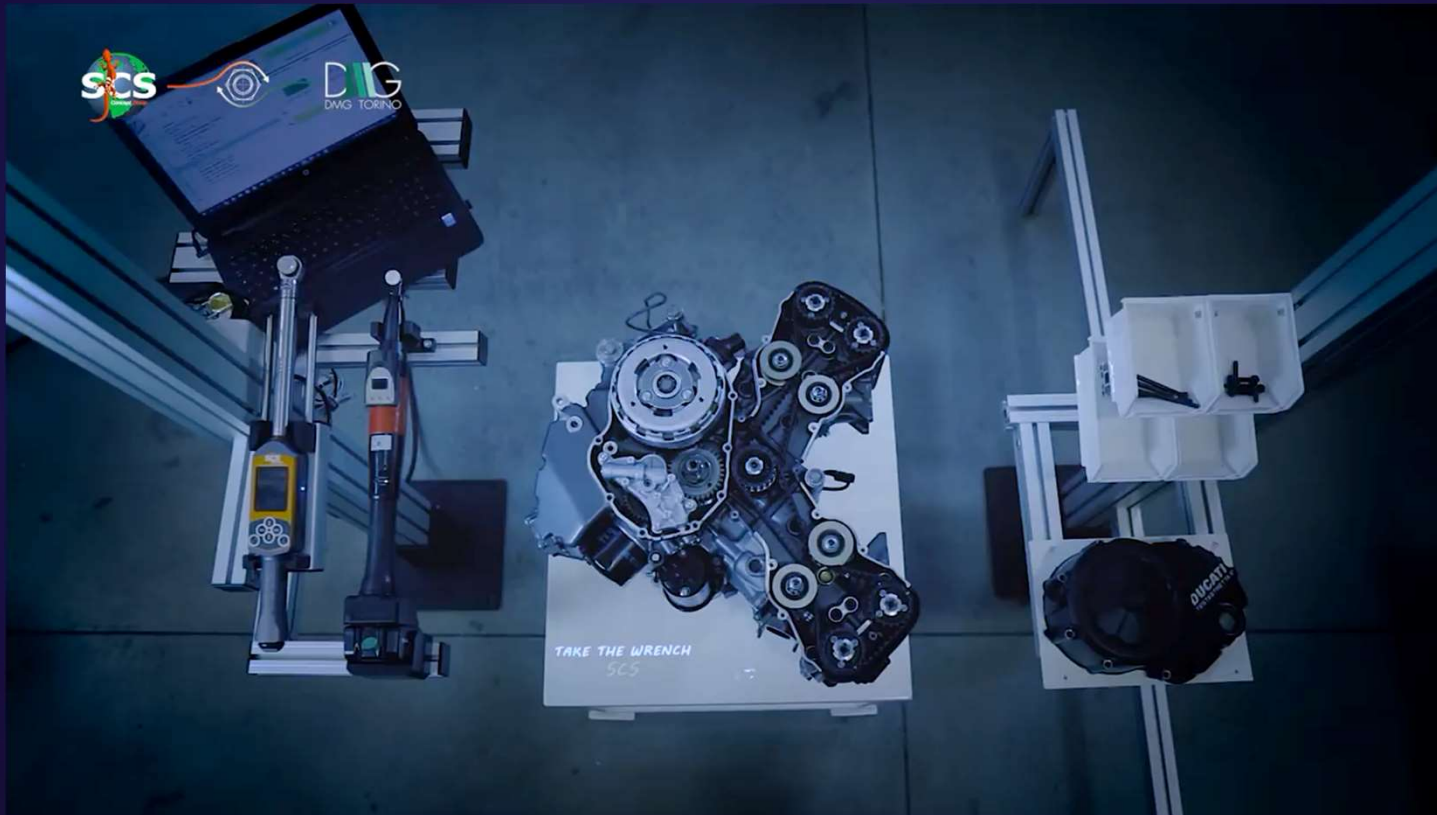


Relevant information can be matched with the physical locations on the vehicle and is displayed where needed.

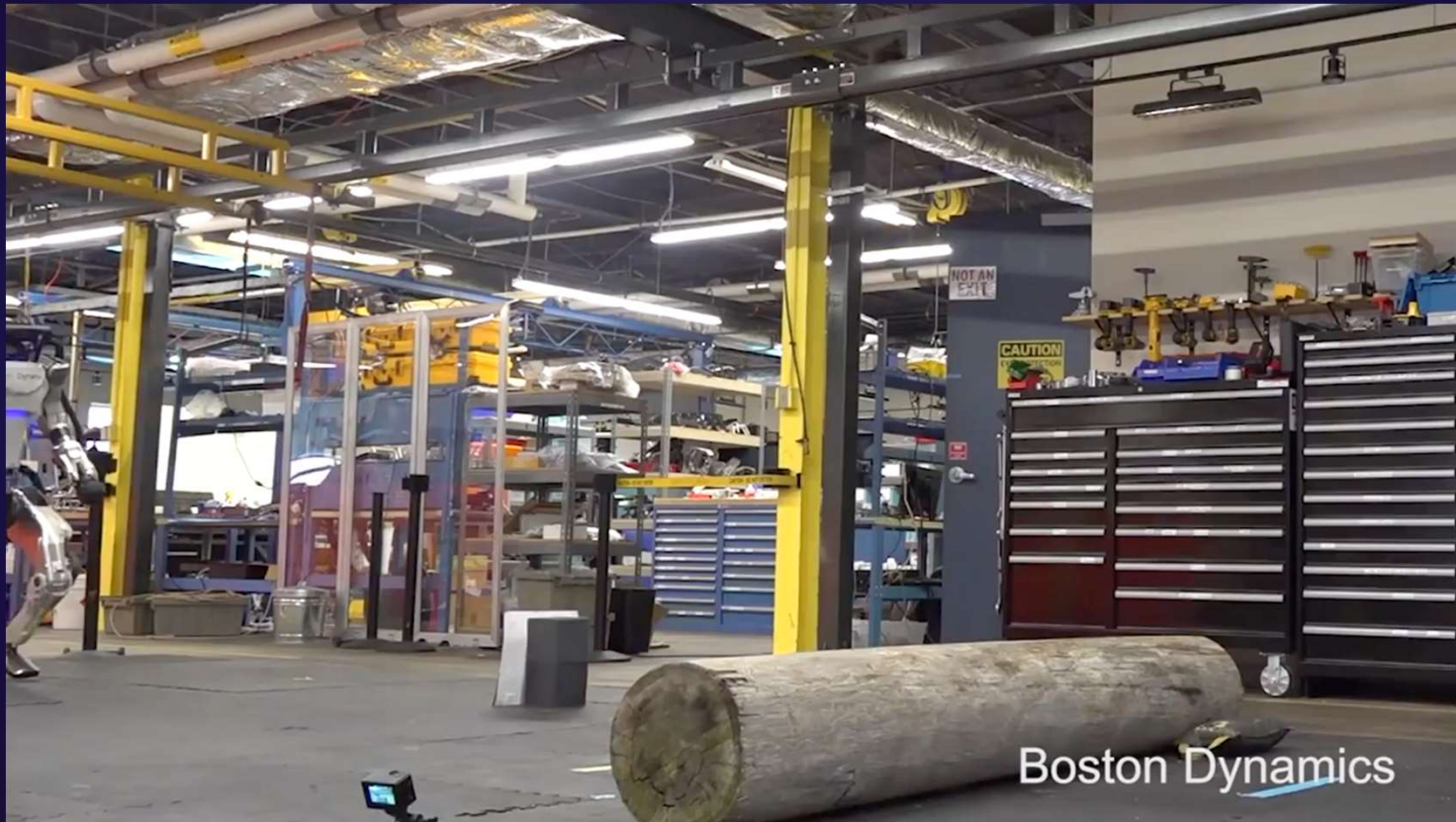
VIRTUAL REALITY



MIXED REALITY



ROBOTICS

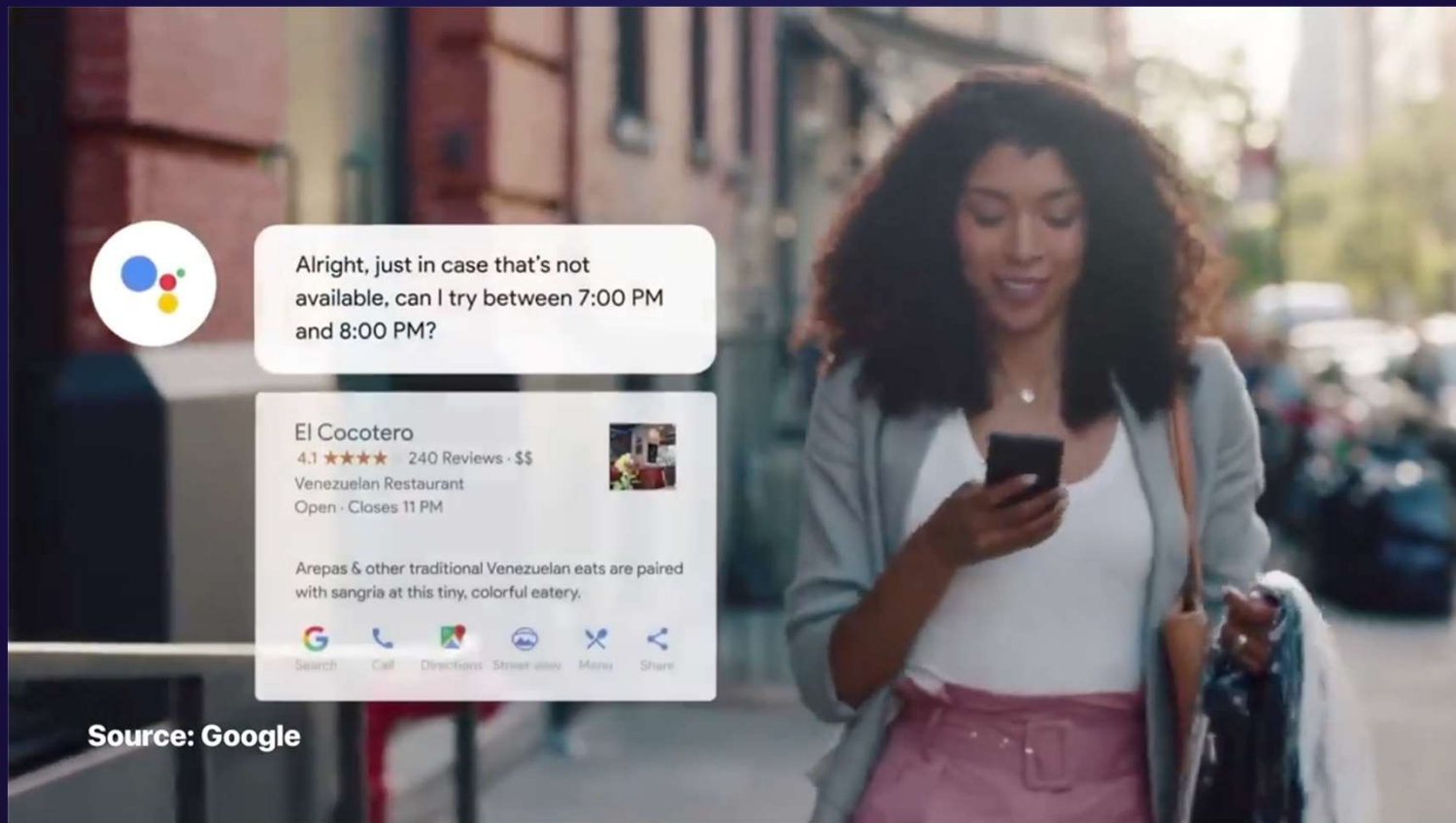


Boston Dynamics

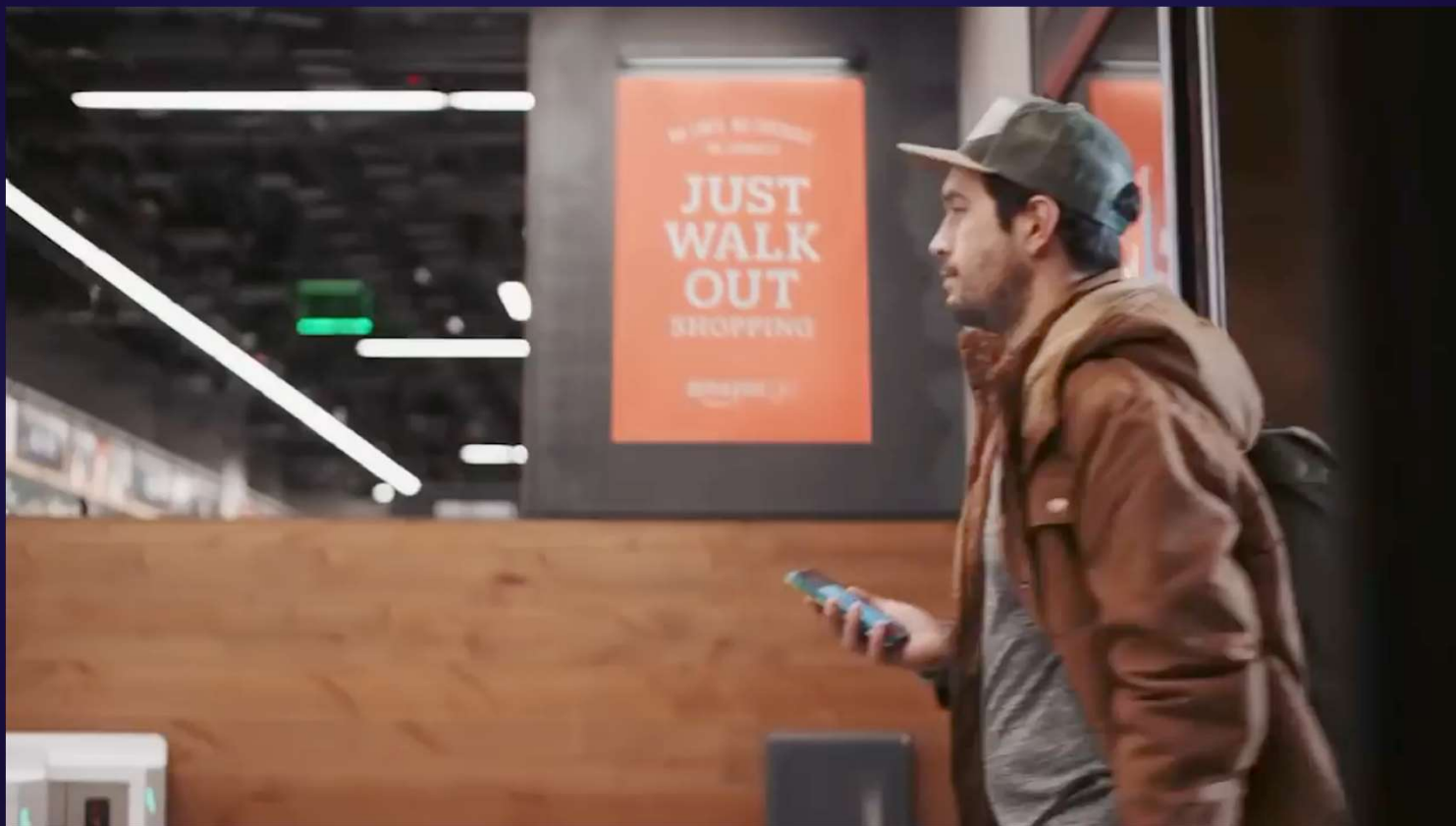
COMPUTER VISION



NATURAL LANGUAGE PROCESSING



DIGITAL LIVES



DIGITAL THREATS



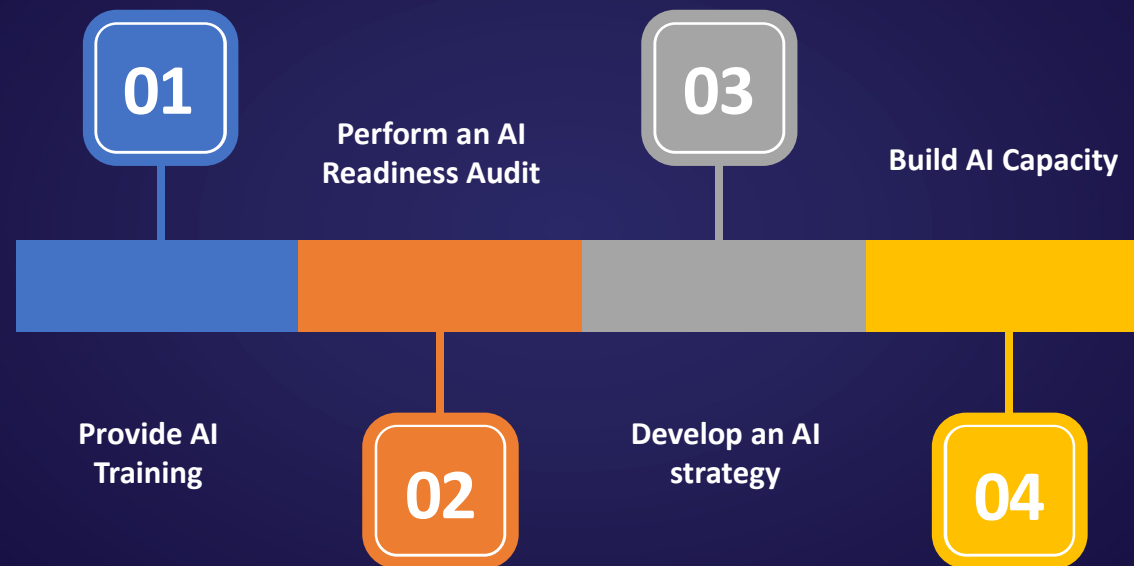
DIGITAL ERRORS



How do we use Artificial Intelligence?



THE AI TRANSFORMATION PROCESS



01

Provide AI Training



A person in a dark blue suit and white shirt is holding a magnifying glass over a white document. The background is a dark blue field filled with glowing green and white digital code, including letters, numbers, and symbols like parentheses and brackets. The overall scene suggests a thorough digital audit or investigation.

Perform an AI Readiness Audit

02

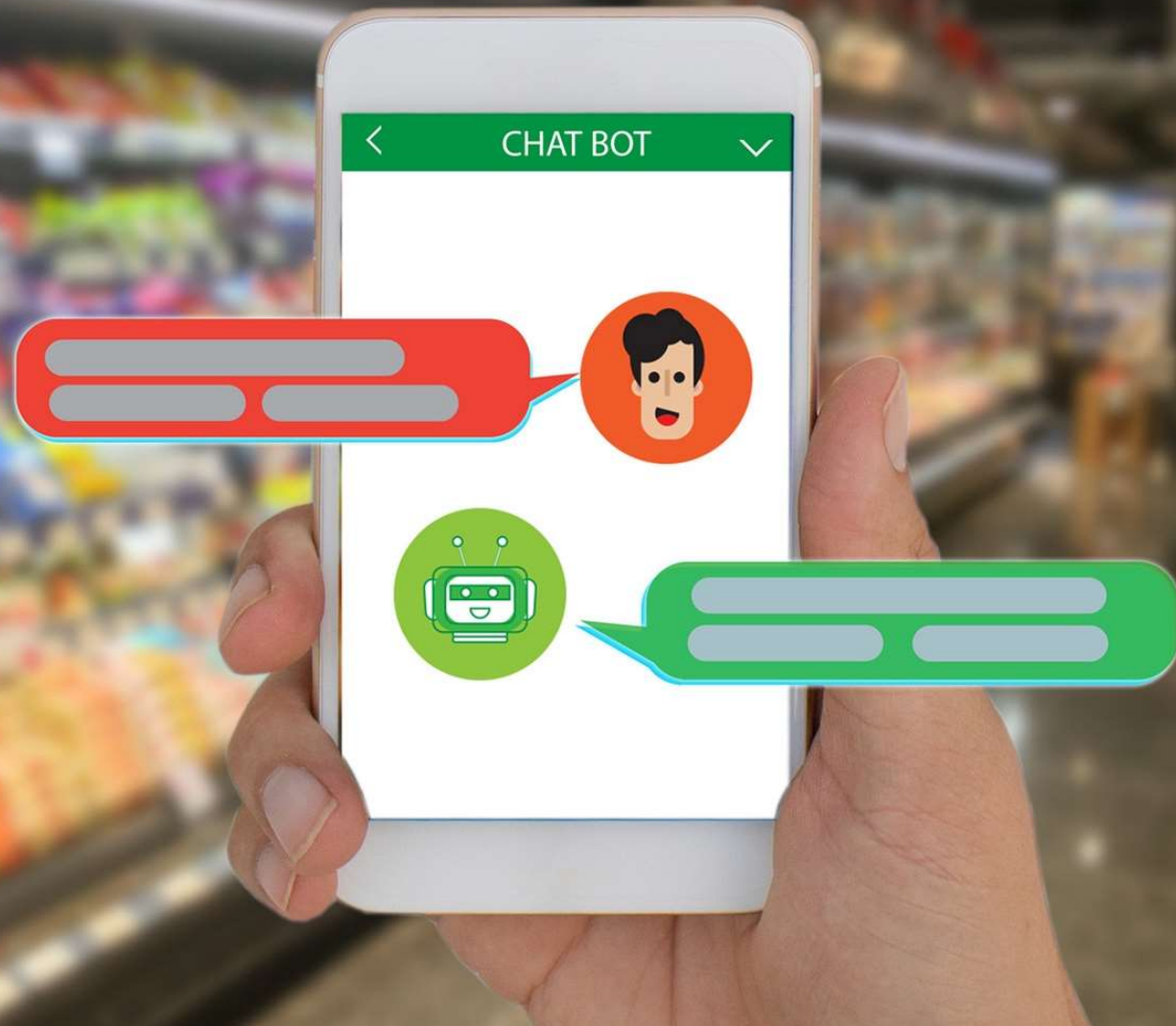
03

Develop an
AI strategy



04

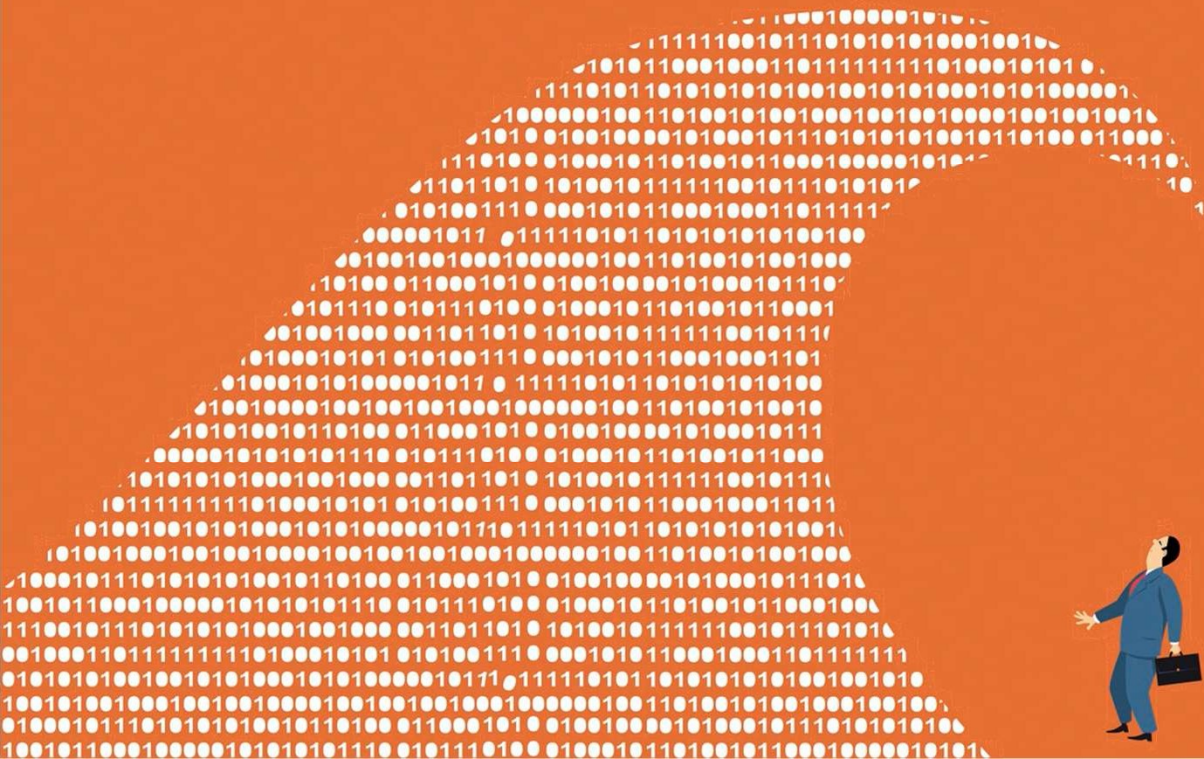
Build AI Capacity



Document Management Avantech AI Case Study




HOW MANY OF US ARE DOWNING IN DATA?



Student's Name (In Block Letters Only)

OMR HOME
A COMPLETE OMR SOLUTIONS

OMR SHEET



Roll Number	Set	Subject
1		
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INVOICE

647-444-1234
your@email.com
yourwebsite.com

1 Your Address
City, State, Country
ZIP CODE

Billed To: Client Name
1 Client Address
City, State, Country
ZIP CODE

Invoice Number: 000000

Date Of Issue: 10/07/14

Invoice Total: **\$4520.00**

Description	Unit Cost	Qty / Hr Rate	Amount
Your item Name <small>Item description goes here</small>	\$1000	1	1000
Your item Name <small>Item description goes here</small>	\$1000	1	1000
Your item Name <small>Item description goes here</small>	\$1000	1	1000
Your item Name <small>Item description goes here</small>	\$1000	1	1000
Subtotal			\$4000.00
Tax			\$520.00
Total			\$4520.00

Invoice Terms:
Ex. Please pay your invoice by... **Amount Due (USD)** **\$4520.00**



Segmentation

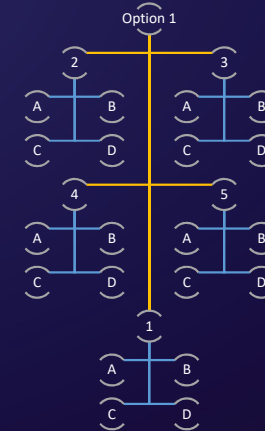
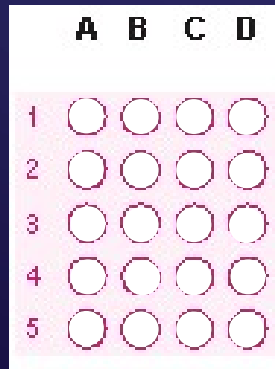
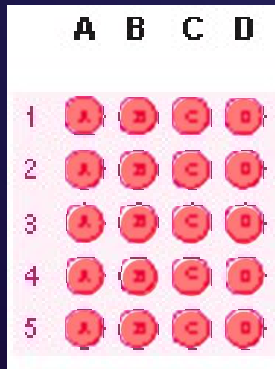
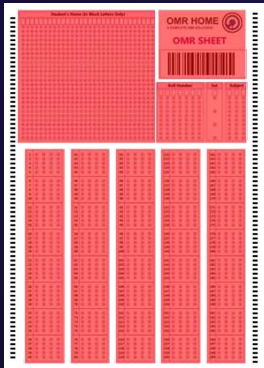
Object Identification

Object Extraction

OCR

Knowledge Structure

Semantic Labelling



- Name
- Surname
- ...



Email to the Future





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THANK YOU

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