

Digi-VET

Numar Proiect : 2018-1-DE02-KA202-005145

Digi-VET

PROMOVAREA DIGITIZĂRII ȘI INDUSTRIEI 4.0

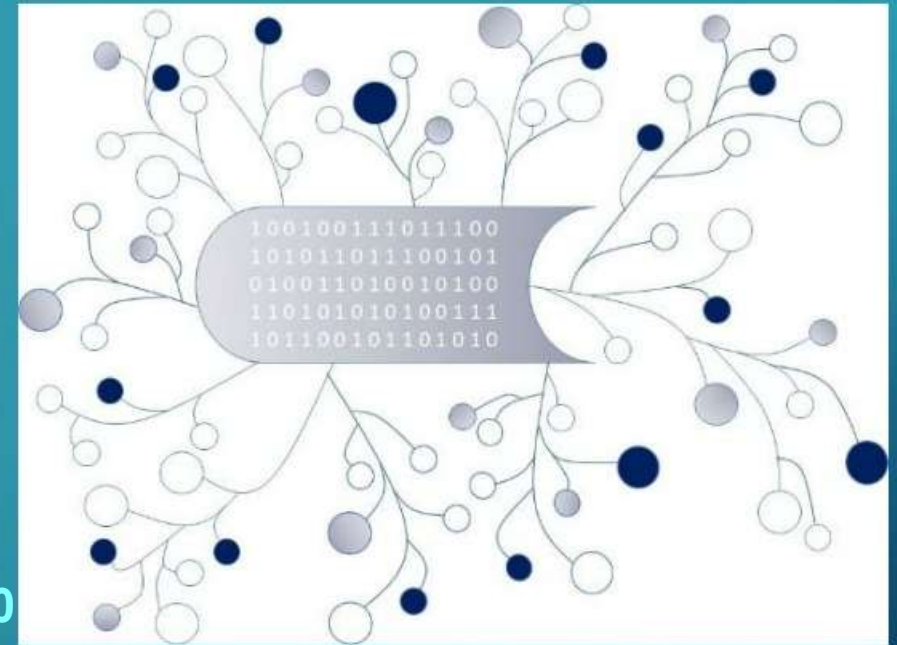
ÎN EDUCAȚIA ȘI FORMAREA PROFESIONALĂ

Modul de Training pentru Cursanti

Modul C: Starea actuala si dezvoltarea viitoare

University of Paderborn, Jennifer Schneider

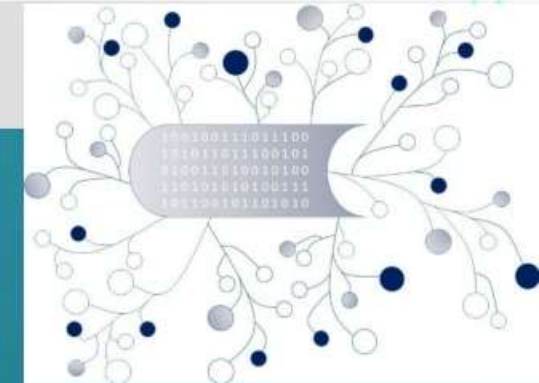
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Co-funded by the
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Cuprins Modul C: Starea actuala si dezvoltarea viitoare



1. Stare actuala: Semnificatia Internetului Lucrurilor (IoT)

1.1 Tema – Publicitate Video BOSCH – care demonstreaza IoT in viata de zi cu zi

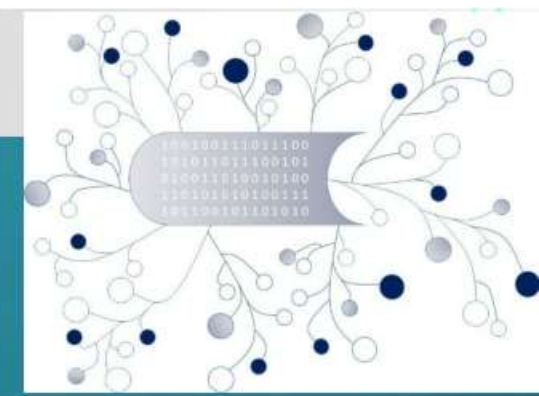
1.2 Tema– H5P: Joc de Memorie

1.3 Tema – H5P: Gasiti cuvintele in grila

2. Dezvoltarea viitoare a IOT

2.1 Tema– Video

2.2 Tema – Harta Mintii



1. Starea actuala:

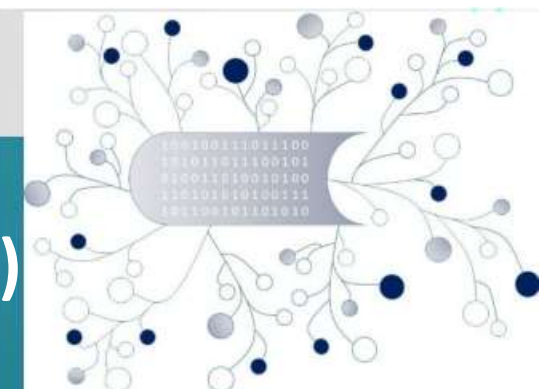
Semnificatia Internetului Lucrurilor (IOT)

Definitia obisnuita:

Internetul Lucrurilor(IoT) ca o retea de obiecte fizice.

„[...] IoT este o infrastructură globală pentru societatea informațională, care permite servicii avansate prin interconectarea lucrurilor (fizice și virtuale) bazate pe tehnologiile informaționale și de comunicare interoperabile existente și în evoluție.“ Patel, K.; Patel, S. (2016)

1. Situatia actuala: Semnificatia Internetului Lucrurilor (IOT)



Anything

- Any devices (smartphones, tablets, laptops, etc.)

Anyone

- Everyone (every person can be part of IoT)

Any Services

- regardless of company size, industry and business

Any Path

- Any network is possible

Any Place &
Anytime

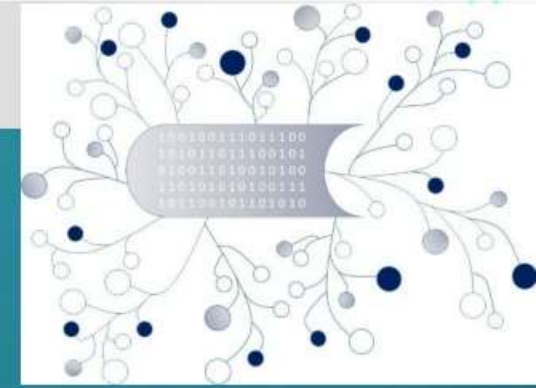
- Flexibility in time and place due to the benefits of digitalisation and the connection to the internet



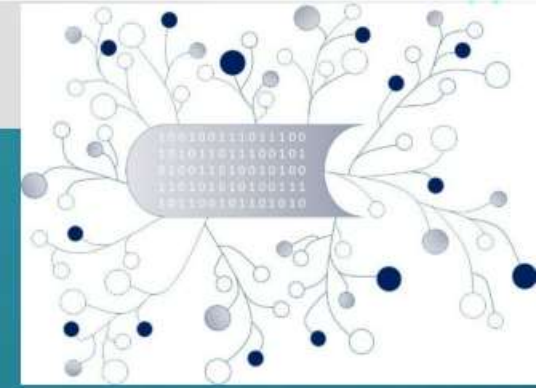
Proprietăți și puncte de
vânzare unice ale
Internetului Lucrurilor

Tema

Urmariti cu atentie clipul publicitar video al
companiei BOSCH –
El demonstreaza IoT in viata de zi cu zi.
Rog luati notite!



1.1 Tema

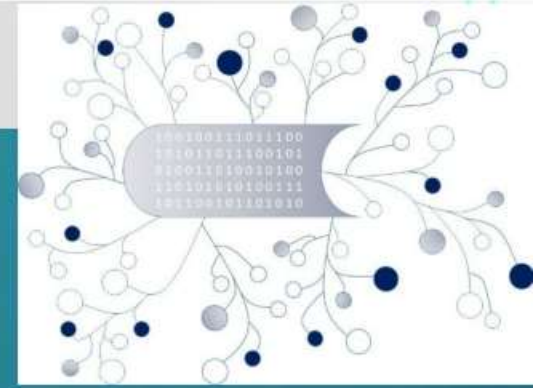


<https://www.youtube.com/watch?v=v2kV6pgJxuo>

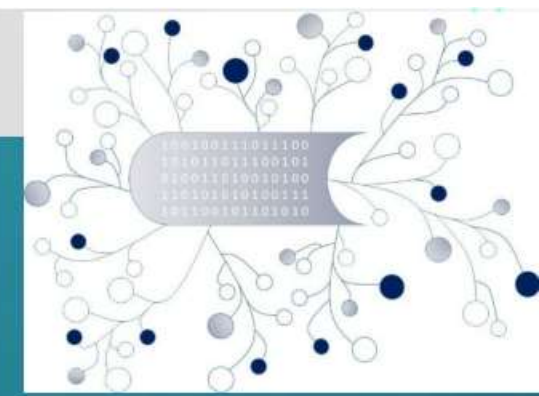
TASK

Tema

Rog raspundeti chestionarului urmator H5P.org !



1.2 Tema



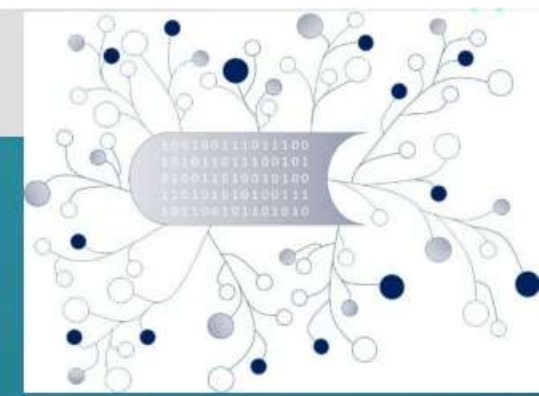
VET_Learner_MC_Current-
Status_Task1_DE

Memory Game

[h5p id="3"]

Vă rugăm să jucați următorul joc de memorie cu date despre IoT.

1.3 Tema



Find the words from the grid

O	H	D	T	Q	S	G	Z	C	I	O	T	O	D	D	B
N	O	Y	F	M	G	A	A	N	Y	T	H	I	N	G	N
I	R	X	R	O	N	D	E	V	I	C	E	S	P	J	N
A	K	W	M	L	I	E	X	Y	L	M	P	D	W	F	Q
V	N	I	L	H	H	B	B	T	S	F	D	Z	S	D	H
E	R	Y	X	Q	T	T	T	I	Z	U	F	G	A	E	V
M	M	G	P	L	F	P	E	V	G	S	S	E	W	A	C
W	U	I	J	A	O	T	K	I	L	D	O	G	G	A	A
L	Z	J	T	P	T	R	K	T	A	T	D	L	H	B	H
B	K	L	R	Y	E	H	Y	C	U	B	O	Z	M	B	Y
B	W	N	T	I	N	K	L	E	A	Q	X	O	E	T	E
N	U	S	N	W	R	A	M	N	E	T	W	O	R	K	J
K	E	L	X	S	E	J	Y	N	T	E	V	C	M	U	D
M	Y	O	U	Z	T	O	A	O	X	W	U	F	R	B	J
P	J	S	R	R	N	P	I	C	V	E	O	R	Y	Y	Z
N	I	N	E	E	I	Y	D	Q	U	A	W	R	E	P	U

Find the words

InternetofThings AnyPath Anyone Anytime Anything network connectivity IoT devices

Gasiti cuvintele in grila!

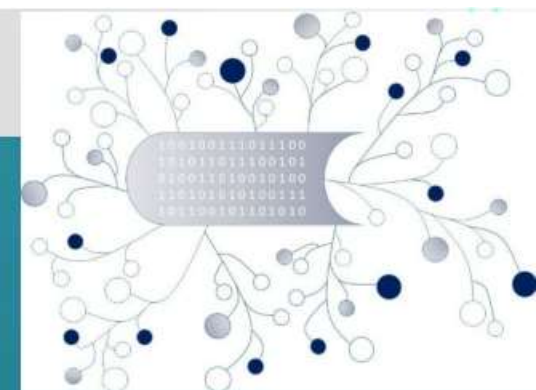
[h5p id="4"]

2. Dezvoltarea viitoare a IoT



“IoT este atunci când produsele de zi cu zi, cum ar fi frigidere, ceasuri, difuzoare și multe altele se conectează la internet și unul la altul. Internet of Things ne transformă deja casele și locurile de muncă.”*

* <https://www.forbes.com/sites/bernardmarr/2018/09/12/19-astonishing-quotes-about-the-internet-of-things-everyone-should-read/#4b82d98ce1db>



2. Dezvoltarea viitoare a IoT

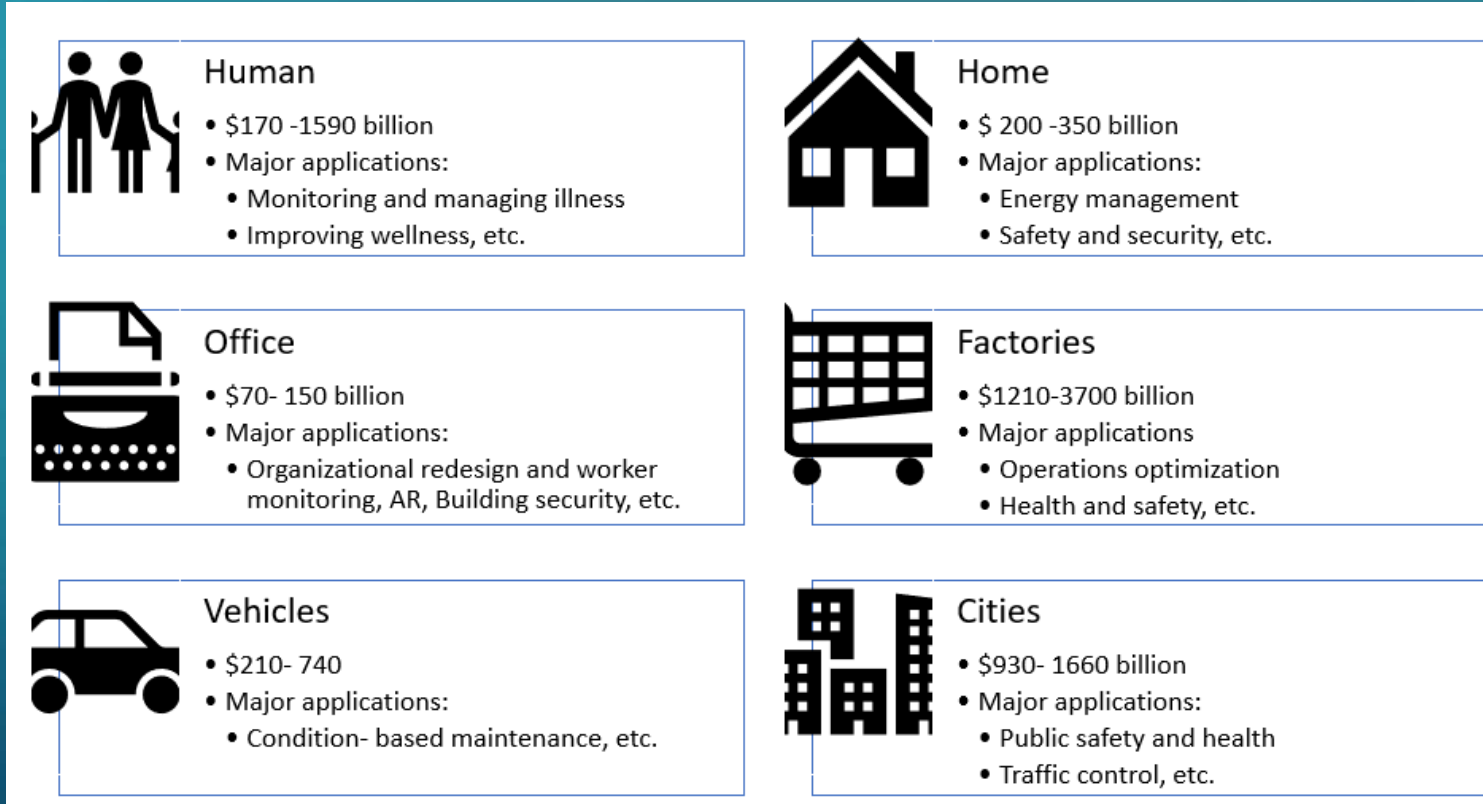
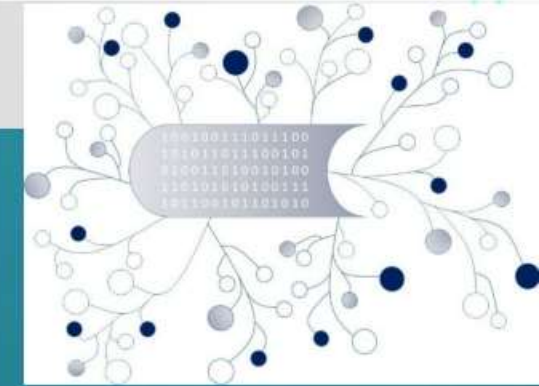


Fig.: Own figure, followed IOT Economic Impact (2025).

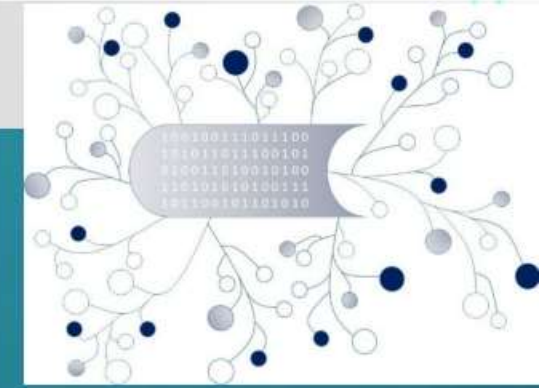
Manyika, J. et al., (2015).



Tema

Urmariri cu atentie clipul video despre IoT
viata de zi cu zi.
Rog luati notite!

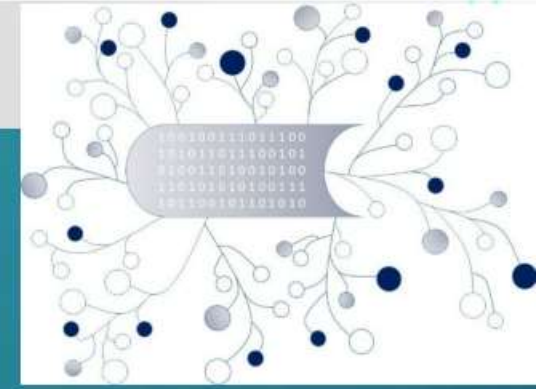
2.1 Tema



TASK



https://www.youtube.com/watch?v=ZrXpv4PAFZk&feature=emb_logo



2.2 Tema

Va rog sa va ganditi la IoT intr-o perspectiva critica!

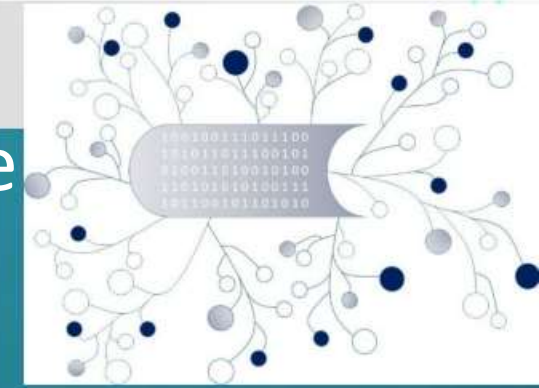
1. Care credeti ca ar putea fi impactul negativ al IoT in viata noastra zilnica?

2. Ce inseamna "securitatea datelor" si protectia drepturilor personale in acest context?

3. Va rog luati notite si creati o harta a mintii!

TASK

Agenda Modul C: Starea actuala si dezvoltarea viitoare



- Manyika, J. et al. (2015): "The Internet of Things: Mapping the Value Beyond the Hype," McKinsey Global Institute.
- Marr, B. (2018): **19 Astonishing Quotes About The Internet Of Things Everyone Should Read** Retrieved from the Internet: <https://www.forbes.com/sites/bernardmarr/2018/09/12/19-astonishing-quotes-about-the-internet-of-things-everyone-should-read/#4b82d98ce1db>, Access date: 14.05.2021.
- Patel, K.; Patel, S. (2016): International Journal of Engineering Science and Computing, May 2016. Internet of Things-IOT: Definition, Characteristics, Architecture, Enabling Technologies, Application & Future Challenge. Link: file:///C:/Users/jsc/Documents/Lehrstuhl/Digl-VET/Intellectual%20Outputs/IO4/Recherche_Modules/2016_IoT.pdf
- Online Resourcen:
- Link: <https://www.ida.gov.sg/~media/Files/Infocomm%20Landscape/Technology/TechnologyRoadmap/InternetOfThings.pdf>
- Link: <http://tblocks.com/internet-of-things>

YouTube:

- <https://www.youtube.com/watch?v=crDyC6Xeqs>
- https://www.youtube.com/watch?v=ZrXpv4PAFZk&feature=emb_logo
- <https://www.youtube.com/watch?v=v2kV6pgJxuo>

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