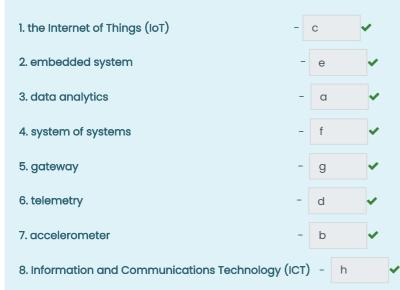|	
Обзорная панель	Мои курсы	Английский язык для профессиональных целей. Весна._1

Unit 1. The Internet of Things (Интернет вещей)   Homework 1

Тест начат	Воскресенье, 11 февраля 2024, 14:25
Состояние	Завершенные
Завершен	Воскресенье, 11 февраля 2024, 14:28
Прошло времени	2 мин. 32 сек.
Баллы	39,00/39,00
Оценка	10,00 из 10,00 (100%)

Вопрос 1
Верно
Баллов:
8,00 из 8,00

1. Match the IoT vocabulary with the definitions.

1. the Internet of Things (IoT) — c ✔

2. embedded system — e ✔

3. data analytics — a ✔

4. system of systems — f ✔

5. gateway — g ✔

6. telemetry — d ✔

7. accelerometer — b ✔

8. Information and Communications Technology (ICT) — h ✔

a   the process of collecting, organizing and analyzing data to discover patterns and other useful information

b   a device that measures non-gravitational accelerations

c   the ever-growing network of physical objects that feature an IP address for internet connectivity, and the communication that occurs between these objects and other Internet-enabled devices and systems

d   the highly automated communications process by which measurements are made and other data collected at remote or inaccessible points and transmitted to receiving equipment for monitoring

e   a specialized computer system that is part of a larger system or machine

f   a collection of task-oriented or dedicated systems that pool their resources and capabilities together to create a new, more complex system which offers more functionality and performance than simply the sum of the constituent systems

g   a node on a network that serves as an entrance to another network; a computer system located on earth that switches data signals and voice signals between satellites and terrestrial networks

h   the study or business of developing and using technology to process information and aid communications

Вопрос **2**

Верно

Баллов:
7,00 из 7,00

2. Fill in the gaps with the words below. One word (or word phrase) is extra.

IoT   telemetry   smartphone   nanotechnology   connected   ICT   a system of systems   sensor

1. Like cloud and big data, [IoT] ✔ , is one of those terms you can't get away from, and it covers a lot of different technologies and use cases.

2. The evolution of the Internet of Things and the increasing [connected] ✔ nature of all devices stands poised to reshape the security industry.

3. Wireless [sensor] ✔ networks are widely used in industries such as automotive, homeland security, medical, aerospace, home automation, remote monitoring, structural and environmental monitoring.

4. Advances in miniaturization and [nanotechnology] ✔ mean that smaller and smaller things will have the ability to interact and connect.

5. Electronic devices are widely used in [telemetry] ✔ and can be wireless or hard-wired, analog or digital.

6. The various modes of [ICT] ✔ may need to be integrated with one another, so that a meaningful volume of information can be generated in the minimum possible time.

7. While the individual systems constituting [a system of systems] ✔ can be very different and operate independently, their interactions typically expose and deliver important emergent properties.

Вопрос **3**

Верно

Баллов: 10,00 из 10,00

3. Watch this video and choose True, False or Not Stated.

1. There's a great amount of business models nowadays.
  - ○ a. True
  - ○ b. False
  - ● c. Not Stated✔
2. Google and Facebook give away their products for free.
  - ● a. True✔
  - ○ b. False
  - ○ c. Not Stated
3. Amazon and Alibaba offer limited products without wasting money on shelve space.
  - ○ a. True
  - ● b. False✔
  - ○ c. Not Stated
4. Skype and Linked-In allure customers with free and basic services just to sell them price and premium products later on.
  - ● a. True✔
  - ○ b. False
  - ○ c. Not Stated
5. Digitalization hasn't changed the way business is done.
  - ○ a. True
  - ● b. False✔
  - ○ c. Not Stated
6. The physical world and digital one merge together, which is known as IoT.
  - ○ a. True
  - ● b. False✔
  - ○ c. Not Stated
7. Only human can be connection between the physical and digital world.
  - ○ a. True
  - ● b. False✔
  - ○ c. Not Stated
8. Sneakers, bicycles, warehouses, market shelves, radiators and hotel kitchens will be connected to the Internet and to each other.
  - ● a. True✔
  - ○ b. False
  - ○ c. Not Stated
9. It took more than 30 years from the invention of such a business model to its success.

○ a. True

◉ b. False ✔

○ c. Not Stated

10. It is crucial to focus on straightforward solutions. Only with strong foundation we will be able to build complex platforms.

◉ a. True ✔

○ b. False

○ c. Not Stated

○ a. True

◉ b. False ✔
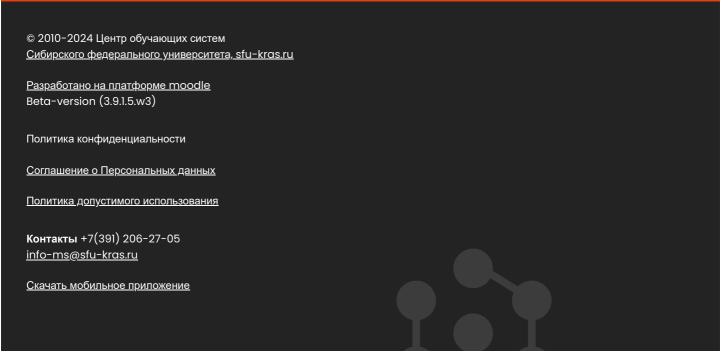
○ c. Not Stated

Вопрос **4**

Верно

Баллов:
5,00 из 5,00

4. Choose the correct answer according to the video.

1. As a supplier you can buy a physical thing with (**A.** a number of **B.** a great deal of **C.** few **D.** little) IT components – sensors, actuators, Internet connections and cloud base data analysis.

- ⦿ **A.** a number of ✔
- ○ **B.** a great deal of
- ○ **C.** few
- ○ **D.** little

2. As a customer you then (**A.** profit **B.** capitalize **C.** gain **D.** take advantage of) not only from the things physical and local function but also from a series of new digital services.

- ○ **A.** profit
- ○ **B.** capitalize
- ⦿ **C.** gain ✔
- ○ **D.** take advantage of

3. The possible applications are (**A.** finishing **B.** ending **C.** end **D.** endless). E.g., the box of goods in a warehouse that knows when it's empty and signals it's time to restock supplies.

- ○ **A.** finishing
- ○ **B.** ending
- ○ **C.** end
- ⦿ **D.** endless ✔

4. The lamps (**A.** presenting **B.** presence **C.** present **D.** are presenting) information can be used not only for burglary prevention, but also for heating cost optimization or for sleep regulation.

- ○ **A.** presenting
- ⦿ **B.** presence ✔
- ○ **C.** present
- ○ **D.** are presenting

5. A physical thing with an added IT component is (**A.** a lot greater **B.** more greater **C.** greater **D.** great) than some of its parts are.

- ⦿ **A.** a lot greater ✔
- ○ **B.** more greater
- ○ **C.** greater
- ○ **D.** great

Вопрос **5**

Верно

Баллов:
9,00 из 9,00

5. Fill in the gaps with the words in the table.

physical	sensor	Internet of Things	deterrent	negligible
Internet	security	entrepreneurs	digital	-----

The question now rises. How the (1) [Internet of Things] ✔ affects business model innovation and how companies, (2) [entrepreneurs] ✔ and customers are supposed to respond. Take a thing, a lamp for instance and add a (3) [sensor] ✔ that connects this thing to the (4) [Internet] ✔ . For example, a presence sensor. In addition to its (5) [physical] ✔ function of generating light, it now offers a range of (6) [digital] ✔ services. The lamp can now be used as a (7) [security] ✔ system. While its owner goes on holiday, the lamp turns on and off automatically. And if some burglar brakes in despite this (8) [deterrent] ✔ , the lamp sends a message to its owner and to the neighbours and to the police. Which all happens at a (9) [negligible] ✔ cost.

ПРЕДЫДУЩИЙ ЭЛЕМЕНТ КУРСА

◄ Class Work 1

Перейти на...   ⇕

СЛЕДУЮЩИЙ ЭЛЕМЕНТ КУРСА

Check Point 1 ►

Инструкции по работе в системе