NPTEL

Courses » Introduction to Internet of Things

Announcements

Course

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Unit 3 - Week 1



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Course outline

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Week 0

Week 1

- Lecture 1: Introduction to IoT-Part-I
- Lecture 2: Introduction to IoT-Part-II
- Lecture 3: Sensing
- Lecture 4: Actuation
- Lecture 5: Basics of IoT Networking-Part- I
- Week 1 : Lecture Materials
- Quiz : Assignment1
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Week 2

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Assignment 1

The due date for submitting this assignment has passed.

Due on 2019-02-13, 23:59 I



Assignment submitted on 2019-02-09, 11:32 IST

1) Internet of Things (IoT) can be integrated with which of these separate domains:

- a. Cloud-based storage and computing.
- b. Cyber Physical Systems.
- c. Big-data networks.
- d. All of these.
- Оа
- 0 b
- cd

Yes, the answer is correct.

Score: 1

Accepted Answers:

d

- 2) Which of the following is true?
 - a. IoT is a subset of M2M
 - b. M2M is a subset of IoT
 - c. IoT is a subset of CPS
 - d. CPS is a subset of Web of Things (WoT)
 - Оа
 - b
 - Ос

 \bigcirc d

Yes, the answer is correct.

Score: 1

Accepted Answers:

b

- 3) M2M is a term introduced by
 - a. IoT service provides
 - b. Fog computing service providers
 - c. Telecommunication service providers
 - d. None of these
 - a
 - 0 b

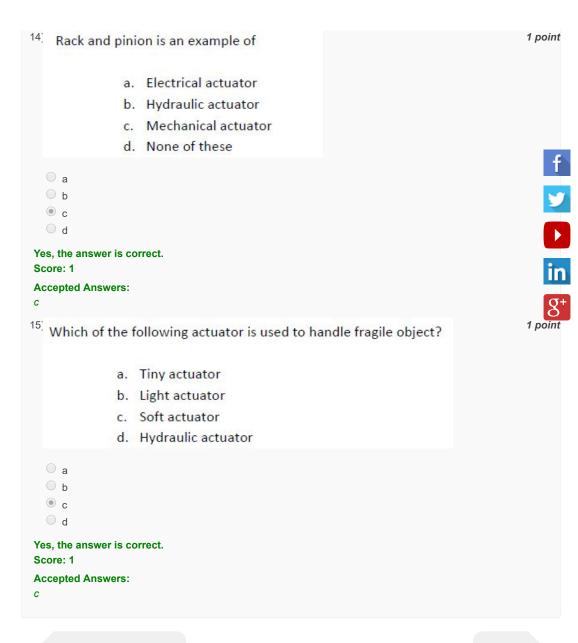
1 point

1 point

Assignment Solution	© c○ d	
Text Translation	Yes, the answer is correct. Score: 1	
	Accepted Answers:	
	4) The number of possible addresses ca be achieve with IPv6 addressing a. 2^6	1 pc
	b. 2^26 c. 2^32 d. 2^128	
	○ a	in
	○ b ○ c ○ d	8
	Yes, the answer is correct. Score: 1	
	Accepted Answers:	
	5) Which of the following is a major concern in IPv4 addressing?	1 point
	a. Reliable data transmission	
	b. Only addressing c. Provide multicast addressing	
	d. All of these	
	a	
	□ b□ c	
	Yes, the answer is correct.	
	Score: 1	
	Accepted Answers:	
	6) Which of these statements regarding sensors is TRUE?	1 point
	a. Sensors are input devices.	
	b. Sensors can be analog as well as digital	
	c. Sensors respond to some external stimuli.	
	d. All of these.	
	○ a○ b	
	ОС	
	d	
	Yes, the answer is correct. Score: 1	
	Accepted Answers:	
	d	

7) A Trans	ducers	1 point
	a. reduce the flow of current in a circuit b. convert energy of one kind into another c. increase the speed of a motor d. convert a sensor to actuator	
abcd		f S
Yes, the answ Score: 1 Accepted An	wer is correct.	ir 8
8) Potent	iometer is which of the following types of sensor?	1 point
	a. Speed sensor b. Light sensor c. Position sensor d. Force Sensor	
a b c d	wer is correct.	
<i>c</i> 9)	isweis.	1 point
· ·	ne data type, sensor can be classified in which of the two cate	
	 a. Analog and Digital b. Isomorphic and Homomorphic c. Scaler and Vector d. Solid and Liquide 	
abcd		
Yes, the answ Score: 1 Accepted An	wer is correct.	
	ator is a component of a machine or system, which a. senses and transmits the data b. moves or controls the mechanism or the system. c. only receives the data from other system d. None of these	1 point
a b		

Score: 1 Accepted Ansv b	vers:	
11) A pneum	atic actuator converts	1 p
	a. Force in to pressure	
	b. Pressure in to acceleration	
	c. Pressure in to force	
	d. Force in to acceleration	
a b c d		
Yes, the answe Score: 1	r is correct.	
Accepted Ansv	vers:	
С		
A mechai	nical actuator converts	1 p
	a. rotary motion in to electrical power	
	b. electrical power in to rotary motion	
	c. rotary motion in to linear motion	
	d. Linear motion in to rotary motion	
Оа		
O b		
© c		
Yes, the answe Score: 1	r is correct.	
Accepted Ansv	vers:	
C		0 1 p
Shape me	emory polymer (SMP) actuators function similar t	0
	a. human bone	
	b. human muscles	
	c. human blood	
	d. None of these	
Оа		
bc		
O d		
Yes, the answe	r is correct.	
Score: 1		



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