Ask a Question

Progress

FAQ

Unit 13 - Week 11



Register for Certification exam

Course outline

How to access the portal

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

- Lecture 51: Smart Grid- I
- Lecture 52: Smart Grid- II
- Lecture 53: Industrial Internet of Things- I
- Lecture 54: Industrial Internet of Things- II
- Lecture 55: Data Handling and Analytics- I
- Lecture Material
- Quiz : Assignment11
- Feedback for Week 11

Week 12

DOWNLOAD VIDEOS

Assignment 11

The due date for submitting this assignment has passed.

Due on 2019-04-17, 23:59 I



1 point

Assignment submitted on 2019-04-15, 21:53 IST

1) Self-healing in smart grid can be done using -

a. Dampening unwanted power oscillations

- b. Avoiding unwanted flows of current through the grid
- c. Rerouting power flows in order to avoid overloading in a transmission line
- d. All of these

Yes, the answer is correct.

Score: 1

Accepted Answers:

d. All of these

2) Renewable energy is generated from -

1 point

1 point

- a. Natural resources
- b. Artificial resources
- c. Nuclear resources
- d. All of the above

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a. Natural resources
- 3) The V2X paradigm follows:
 - a. A distributed architecture
 - b. A centralized architecturec. Both a and b
 - d. None of these

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a. A distributed architecture
- 4) What is the key technology to enable V2V and V2R communication?

1 point

- a. RFID Communication
- b. Dedicated Short Range Communication
- c. Long Range Communication
- d. Medium Range Communication

Yes, the answer is correct.

Score: 1

Accepted Answers:

- b. Dedicated Short Range Communication
- 5) What are the risks associated with IIoT?

a. Lack of vision and leadership

1 point

Assignment	○ b. Cheap sensors	
Solution	c. Confident workforce	
Text Translation	d. Both cheap sensors and confident workforce	
Text Translation	Yes, the answer is correct. Score: 1	
	Accepted Answers:	
	a. Lack of vision and leadership	
	6) RSUs are connected to the Internet by:	1 p. f
	a. Relays	S
	b. Routers	
	c. Gateways	
	d. None of these	
	Yes, the answer is correct. Score: 1	in
	Accepted Answers:	g
	c. Gateways	O
	7) IloT is mainly focused on	1 point
	a. Convenience of individuals	
	b. Efficiency, safety and security of operation and individuals.	
	c. Efficiency of the system.	
	d. Data security.	
	Yes, the answer is correct.	
	Score: 1	
	Accepted Answers:	
	b. Efficiency, safety and security of operation and individuals.	
	8) Smart grid enables –	1 point
	a. Distributed energy management	
	b. Centralized energy management	
	c. Both distributed and centralized energy management	
	d. None of these	
	Yes, the answer is correct.	
	Score: 1	
	Accepted Answers:	
	a. Distributed energy management	
	9) Traditional electric grids are associated with:	1 point
	a. Energy generation is done in centralized power plants	
	b. Energy distribution is one directional – from the power plant to the homes or industries.	
	c. Uni-directional communication	
	d. All of these	
	Yes, the answer is correct.	
	Score: 1	
	Accepted Answers: d. All of these	
	10)The smart grid is also termed as:	1 point
	a. Electricity with a brain	
	b. The energy internet	
	c. The electronet	
	d. All of these	
	Yes, the answer is correct.	
	Score: 1	
	Accepted Answers: d. All of these	
	11)Which of the following is not a property associated with power quality of smart grids:	1 point

a. Self-Healing

b. Frequency Monitoring and Control

c. Load Forecasting	
d. Asset Management	
Yes, the answer is correct. Score: 1	
Accepted Answers: d. Asset Management	
12)Home power generation is a term associated with:	1 pc
 a. Power generation system at consumers-end b. Rooftop solar electric systems c. Small wind turbines d. All of these 	
Yes, the answer is correct. Score: 1	
Accepted Answers: d. All of these	
13)In smart grids, PMU stands for:	1 poir
a. Phase measurement unit	
b. Phasor measurement unit	
c. Phase monitoring unit	
d. All of these	
Yes, the answer is correct. Score: 1	
Accepted Answers: b. Phasor measurement unit	
14)The typical data rate associated with EnOcean is?	1 poir
a. 9600 bps	
o b. 3200 bps	
c. 19200 bps	
d. 1152300 bps	
Yes, the answer is correct. Score: 1	
Accepted Answers: a. 9600 bps	
15)MDMS is the context of smart grids stands for:	1 poir
 a. Meter data management unit b. Metric data measurement unit c. Metric data monitoring unit d. None of these 	
Yes, the answer is correct. Score: 1	
Accepted Answers: a. Meter data management unit	

Previous Page

End

© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

A project of



In association with

NASSCOM®

Funded by

Government of India Ministry of Human Resource Development Powered by











