Which of the following is not part of the IoT layer in IIoT-based industrial manufacturing?

Which one of the following is not related to complex event processing (CEP)?

Extraction of causal and temporal patterns using predefined rules

Correlation among multiple streams for generating meaningful output

Cannot handle multiple data streams

Which of the following is not true in to IIoT processing?

None of the above

Different topology - sensor, room, floor

Which one of the following is true for IIoT processing and analytics?

The business process analytics is of three types

Which of the following is not true for current CEP systems?

Message queues are not scalable

None of the above

It provides increased flexibility

The message queues are not scalable and incurs higher latency

Existing servers are fully utilized by deploying more servers

Which of the following are true for self-organized multi-agent system in a smart factory?

Which one of the following is not true for Line Information System Architecture (LISA)?

It is a loosely-coupled system with prototype oriented information model

It does not provide interoperability between the standard communication interfaces

It provides an event-driven information system

The concept of self-organizing is achieved by intelligent negotiation between the agents

Cloud-based big data processing framework assists the self-organization & supervisory

Different phases - produces, consumer, modelling

Workload of sensor topology is reduced compared to room topology

Prescriptive analytics deals with "what already happened and currently happening"

Predictive analytics deals with "what & why to perform some action"

Descriptive analytics deals with "Data mining/Web mining/ Predictions"

Near real-time processing

NPTEL » Introduction to Industry 4.0 and Industrial Internet of Things

Unit 9 - Week 7

How does an NPTEL online

Course outline

course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Part 4

Part 5

Part 1

Part 2

Week 8

Week 9

Week 10

Week 11

Week 12

**Download Videos** 

**Text Transcripts** 

**Detailed Assignment Solution** 

Live Interactive Session

Lecture 31 : Key Enablers of Industrial IoT: Connectivity -

 Lecture 32 : Key Enablers of Industrial IoT: Connectivity -

Lecture 33 : Key Enablers of

Industrial IoT: Processing -

Lecture 34 : Key Enablers of

Industrial IoT: Processing -

O Lecture 35 : Key Enablers of

Week 7 - Lecture Material

Quiz : Assignment 7

Week 7 Feedback Form

Industrial IoT: Process Control

**Assignment 7** 1) Web server a. Administrator b. Smart gateway c. None of the above đ. ○ a. ○ b. O c. ○ d. No, the answer is incorrect.

Score: 0

2)

Accepted Answers:

a.

b.

c.

đ.

○ a.

○ b.

O c.

 $\bigcirc$  d.

Score: 0

○ a.

○ b.

○ c.

 $\bigcirc$  d.

Score: 0

a.

4)

○ a.

○ b.

○ c.

○ d.

Score: 0

○ a.

○ b.

О c.

d.

Score: 0

○ a.

○ b.

O c.

○ d.

Score: 0

C.

7)

6)

C.

5)

3)

No, the answer is incorrect.

a.

Ъ.

c.

đ.

No, the answer is incorrect.

a.

Ъ.

C. đ.

No, the answer is incorrect.

a.

b.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

b.

c. đ.

No, the answer is incorrect.

control

No, the answer is incorrect.

Accepted Answers:

a.

Ъ.

c.

đ.

No, the answer is incorrect.

Sensor

Memory unit

None of the above

What does EC-GSM-IoT stand for?

None of the above

What is the data rate for CAT-NB1?

None of the above

Which of the following is the average range supported by Sigfox?

Which of the following is size of NodeMCU memory?

Which of the following statements is true for open loop control?

Batch-oriented manufacturing processes

Highly distributed plants having huge number of control loops

The control action from the controller is dependent on the process output.

The control action from the controller is independent of the process output.

The control action from the controller is independent of the process input.

200 Kbps

20 Kbps

30-50 km

3-10 km

256 Kb

128 Kb

None of the above

None of the above

64 Kb

Both (a) and (b)

None of the above

250 Kbps

Extended Connectivity GSM IoT

Extended Coverage GSM IoT

Enhanced Coverage GSM IoT

Accepted Answers:

a.

b.

c. đ.

No, the answer is incorrect.

Accepted Answers:

a.

Ъ.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

b.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

b.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

a.

b.

c.

đ.

No, the answer is incorrect.

a.

b.

c.

đ.

No, the answer is incorrect.

a.

Ъ.

c.

đ.

No, the answer is incorrect.

Accepted Answers:

DCS is used in -

Both a and b

None of the above

Accepted Answers:

Accepted Answers:

○ b.

○ d.

Score: 0

14)

○ a.

○ b.

○ c.

 $\bigcirc$  d.

Score: 0

15)

○ a.

○ b.

O c.

 $\bigcirc$  d.

Score: 0

C.

c.

○ a.

○ b.

○ c.

○ d.

Score: 0

C.

13)

○ a.

○ b.

O c.

d.

Score: 0

10)

○ a.

○ b.

○ c.

○ d.

Score: 0

b.

11)

○ a.

○ b.

○ c.

 $\bigcirc$  d.

Score: 0

12)

○ a.

○ b.

O c.

d.

Score: 0

9)

All of the above

None of the above

Which of the following is not a component of PLC?

Communication module

Accepted Answers:

a.

Ъ.

C.

đ.

○ a.

○ b.

○ c.

○ d.

Score: 0

d.

8)

Accepted Answers:

Accepted Answers:

Accepted Answers:

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. In Smart warehousing systems, sensors and actuators are connected through:

Communication infrastructure

Manufacturing resources

User interface

Manufacturing capabilities

Announcements

About the Course

Mentor

1 point

0 points

1 point

1 point

1 point

1 point

Progress

Ask a Question

Due on 2020-03-18, 23:59 IST.