

CN-100 IT Fundamentals

LRS Assignment: New Technologies in the Information Technology Industry

Introduction

For this assignment, you will use the Learning Resource System to independently research an emerging technology in the IT industry, that is, a technology that has emerged within the last year. You will complete the assignment during outside hours and discuss your conclusions to the class using a visual aid such as a PowerPoint presentation, poster board, etc. in Week 6. You will also need to submit a report answering the questions below.

Let your instructor know if you have any questions about using the Learning Resource System, for example, if you are wondering whether a source of information is reliable and appropriate to use.

Topic: Emerging Technologies & Trends in Computer Information Technology

Use the materials in the LRS to investigate an emerging technology or trend relating to the Computer Information Technology field. Make sure to take advantage of the different resources the LRS offers (including websites, magazines, and books) in your investigation.

Some ideas of places to look for emerging technologies include:

1. Internet of Things (IoT)
2. Smart Home Technology
3. Augmented Reality (AR)
4. Virtual Reality (VR)
5. Machine Learning.
6. Automation.
7. Humanized Big Data. (visual, empathetic, qualitative)
8. Physical-Digital Integrations
9. Everything On-Demand
10. The Pace of IPv6 Rollout
11. The Rise (and Fall?) of Multi-Band Routers
12. "5G" cellular communication technology

Use the LRS to research the following issues for your chosen technology. Write a brief response (one to three sentences) for each question below. Your report should be at least one-page long and does not include the cover page and references page.

1. Describe how the emerging technology or trend will affect people in their daily life.
2. Describe the advantages of the emerging technology or trend.
3. Explain the disadvantages the emerging technology or trend.

4. Give examples of the testing/prototyping of the technology or trend.
5. Predict how the technology or trend will continue to evolve over the next 2-4 years.

Your research should be based on a minimum of three resources and cited using APA format.

Deliverable

To complete this exercise, you will need to prepare the following components to submit your instructor for grading.

Assignment Component	Points
Content – College papers need to have well researched content from multiple sources and appropriately cited. They should demonstrate the student's thinking and not be copied or plagiarized in any way.	30
Construction – College papers need to flow well from start to finish. They need to have supporting points to the main thesis, with a supporting conclusion. At least three supports with a well-formed intro and conclusion is the goal.	30
Grammar – College papers need to be clean and readable. They should have no spelling or grammatical mistakes. One grammatical/spelling mistake per two pages is the goal.	30
Insight – A college paper should make an attempt to leap beyond the topic – a thought or an idea that uses the researched content and takes it one step further.	10
Total	100