



5G Technologies and Practices

Skillsoft Aspire Journey

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5G Technologies and Practices

5G Technologies and Practices journey targets beginning to intermediate learners, who might be curious, or perhaps in a decision-making capacity with regards to funding and deploying 5G technologies. This learning journey is divided into two tracks: a theory and history track, which will discuss how we arrived at 5G and some of the technologies it enables. We will also discuss some of the challenges and controversies around 5G technologies. For the second track, we will dive into more technical and targeted 5G topics, including discussions about networks and 5G applications.



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 18 courses | 17h 40m 57s

Tracks



Track 1: 5G Principles

In this track of the 5G Technologies and Practices Skillsoft Aspire journey, the focus will be on 5G principles and revolution, anatomization of 5G communications, 5G machine-type communication, and 5G issues.

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[Explore](#)  10 courses | 10h 30m 29s



Track 2: 5G Practices

In this track of the 5G Technologies and Practices Skillsoft Aspire journey, the focus will be on 5G network architecture, small cell networking practices, 5G security, and working with government and regulations.

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[Explore](#)  8 courses | 7h 10m 27s

PREREQUISITES

We recommend the following prerequisite skills:

- Be familiar with mobile networks

Track 1: 5G Principles

In this track of the 5G Technologies and Practices Skillsoft Aspire journey, the focus will be on 5G principles and revolution, anatomization of 5G communications, 5G machine-type communication, and 5G issues.

10 courses | 10h 30m 29s



5th Generation Mobile Networks: 5G Principles, Facts & Fiction

Objectives:

- recall the origin, history, and development of mobile communications
- outline the components of a mobile communications network and how they operate and interact
- describe the evolution of mobile communications from the mobile radiotelephone to today's networks
- recognize the technological advancements and milestones achieved by 1G mobile communications networks
- recognize the technological advancements and milestones achieved by 2G mobile communications networks
- recognize the technological advancements and milestones achieved by 3G mobile communications networks
- recognize the technological advancements and milestones achieved by 4G mobile communications networks
- describe the features and innovations of 5G technologies
- separate facts from fiction related to 5G technologies
- identify the potential applications and uses of 5G technologies



5th Generation Mobile Networks: The 5G Revolution

Objectives:

- define the characteristics and capabilities required to incorporate 5G within different areas of application
- recognize how IPv6 further enables the potential of 5G
- identify commercial applications of 5G in areas like manufacturing, industrial automation, and robotics
- describe 5G's application in vehicular autonomy
- list the applications of 5G in medicine and enabling telehealth
- outline how 5G enables IoT technologies
- list various military applications of 5G
- describe applications of 5G within the entertainment industry
- outline the economic impact of 5G
- describe the impact of 5G on our daily lives



5G Principles: Comparing 5G to 4G

Objectives:

- examine the history and evolution of 4G, including intermediate rollouts and marketing promises
- state the needs that 4G fulfilled and examine the results of its deployment
- identify ways in which 4G became a beachhead for the emergence of 5G and its services
- analyze the primary driving forces behind 5G's rollout and what its usage promises are
- compare 5G's improvements to speed and how these apply to real-life scenarios
- compare 5G's improvements to latency and how these apply to real-life scenarios
- Within the context of real-life applications, compare the innovation of network slicing introduced with 5G and how this compares to 4G deployments
- compare 5G's improvements to frequency usage as well as network deployment flexibility and how these apply to real-life scenarios
- examine some technological challenges involved in the migration from 4G to 5G, including backhaul capacity, frequency deployment, and geographical and topological obstacles
- examine some social and political challenges involved in the migration from 4G to 5G, including public sentiment, political will, and the preservation of historical districts



5G Principles: The Promise of the 5G Revolution

Objectives:

- identify the immense benefits and potential of a completely connected world
- list the various domains and disciplines on which 5G will have a direct and substantial impact and specify why these influences are significant
- describe the various benefits of the smart city and how a smart municipal infrastructure, enabled by 5G, improves the quality of life of its citizens
- examine how 5G can be leveraged to enable citizen engagement
- specify the financial, ecological, and security advantages delivered by smart buildings enabled by 5G
- describe how 5G enables smart agriculture applications and the impact this will have in future food production and supply chain management
- examine what open and big data are, how they benefit organizations and governments, and how 5G enables these innovations
- identify how 5G can be used in combination with blockchains to improve supply chain management and logistics
- list the various ways in which the immense speeds delivered by 5G can be beneficial
- identify how 5G helps to equalize access and opportunity in various areas of society



Anatomization of 5G Communications: Players & Enablers

Objectives:

- recognize the players involved in the 5G lifecycle, both old and new, and differentiate between them
- identify the standards organizations involved in defining the underlying protocols and performance thresholds of mobile communication systems
- recognize the role played by government regulatory organizations in defining and enforcing rules and guidelines for the deployment of mobile communications
- comprehend the role of local government in the deployment of mobile communication networks and the influence of political figures in general
- describe how technical staff, including wireless and structural engineers, support staff, and technicians play a vital role in the deployment and operations of mobile networks, like 5G
- describe the part played by the administration and decision-makers of telecommunication providers in the deployment and operations of mobile communication networks, like 5G
- identify the various players that emerged with the advent of 5G, which primarily come from proponents of particular applications
- identify the proponents of 5G for commercial application areas from the manufacturing and entertainment sectors and the roles they play
- identify the proponents of 5G from the telehealth and smart city sectors and the roles they play
- list the various groups opposing the development and deployment of 5G and the reasoning behind them



Anatomization of 5G Communications: Network Architecture & Topology

Objectives:

- recall the various components of a modern cellular mobile communications network and how they interact with each other
- recognize the characteristics and components of a core cellular network and backhaul and the required design parameters for use in a 5G network
- describe what a RAN is, its characteristics, some of the technologies used by it, and why it is an important part of the 5G architecture
- describe MIMO and massive MIMO as technologies and how they help to enable many of the innovative characteristics of 5G
- identify the types of cells in a 5G network and how each type is used within the network as a whole
- distinguish between the NFV and SDN and identify how they enable 5G network slicing
- recognize what network slicing is and what role it plays within a 5G network
- specify how 4G and 5G must coexist during a transition period and how this is achieved
- describe the importance and use of a protocol stack in the understanding of networking using the Internet as an example
- identify the various components of the 5G protocol stack and the roles they play



5G Machine-type Communication: Defining Machine-type 5G

Objectives:

- examine the evolution of wireless communications and how recent trends enable machine-type communications
- analyze the limitations of wireless communications in the past that acted as obstacles to machine-type communication, and how and why these have now been overcome
- define machine-type communication (MTC) and identify its specific characteristics
- describe how areas of 5G application like mMTC and URLLC enable the deployment and operation of machine-type communication
- recognize how and why the low latency delivered by 5G is vital for machine-type communications
- identify how and why the high device density delivered by 5G is vital for machine-type communication
- outline how and why the high bandwidth density delivered by 5G is vital for machine-type communication
- describe the significance of machine-type communications within an Internet of Things (IoT) framework
- recognize how artificial intelligence will help enable 5G machine-type communication
- outline how enabling machine-type communication affect the technological and social ecosystem



5G Machine-type Communication: Applications of Machine- to-machine Communication

Objectives:

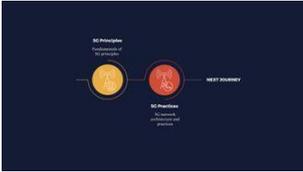
- examine how machine-type communication are expected to impact businesses, industries, and society as a whole
- identify specific machine-type communication applications in healthcare and examine the expected benefits
- identify specific machine-type communication applications in transport and examine the expected benefits
- identify specific machine-type communication applications using smart grids and utilities and examine the expected benefits
- identify specific machine-type communication applications in digital agriculture and examine the expected benefits
- identify specific machine-type communication applications in industrial monitoring and examine the expected benefits
- identify specific machine-type communication applications in smart city initiatives and examine the expected benefits
- identify specific machine-type communication applications in emergency services and examine the expected benefits
- identify specific machine-type communication applications in the Internet of Things (IoT) and examine the expected benefits
- revisit the benefits that machine-type communication is expected to deliver in light of the various examples and use cases reviewed



5G Principles: Assessing & Navigating 5G Issues

Objectives:

- explore conflicts in the technology industry and how they can be leveraged for good
- outline how embracing other fields and disciplines can be beneficial for technical players and participants of 5G
- recognize how a lack of understanding and the proliferation of misconceptions have fueled conflict in 5G
- analyze methodologies that intend not to refute opposition, but to embrace, incorporate, and make it part of the solution
- summarize and understand the rationale behind various areas and categories of opposition to 5G
- list the most common political obstacles to the deployment of 5G and understand their reasoning and motivation
- explore solutions and resolutions that will aid in resolving political concerns in the deployment of 5G
- list the most common obstacles to the deployment of 5G that may come from national regulatory bodies, and understand their reasoning and motivation
- explore solutions and outcomes that will aid in resolving regulatory concerns in the deployment of 5G
- list the most common standardization obstacles to the deployment of 5G and understand their reasoning and motivation
- explore solutions and outcomes that will aid in resolving standardization concerns in the deployment of 5G
- list the most common technical obstacles to the deployment of 5G and understand their reasoning and logic
- explore solutions and outcomes that will aid in resolving technical concerns in the deployment of 5G
- list the most common geographical and topological obstacles to the deployment of 5G and understand their effects on the technology
- explore solutions and resolutions that will aid in solving problems that arise from geographical and topological issues
- list the most common health and safety concerns that act as obstacles to the deployment of 5G and understand their reasoning and motivation
- explore solutions and resolutions that will aid in resolving health and safety concerns in the deployment of 5G
- list the most common conspiratorial obstacles to the deployment of 5G and understand their reasoning and motivation
- explore solutions and resolutions that will aid in allaying conspiratorial concerns in the deployment of 5G
- discuss the benefits of approaching conflict with the goal of achieving a mutually acceptable solution



Final Exam: 5G Principles

Objectives:

- analyze methodologies that intend not to refute opposition, but to embrace, incorporate, and make it part of the solution
- analyze the limitations of wireless communications in the past that acted as obstacles to machine-type communications, and how and why these have now been overcome
- compare 5G's improvements to latency and how these apply to real-life scenarios
- compare 5G's improvements to speed and how these apply to real-life scenarios
- comprehend the role of local government in the deployment of mobile communication networks and the influence of political figures in general
- define machine-type communication and identify its specific characteristics
- define the characteristics and capabilities required to incorporate 5G within different areas of application
- describe applications of 5G within the entertainment industry
- describe how 5G enables smart agriculture applications and the impact this will have in future food production and supply chain management
- describe how technical staff, including wireless and structural engineers, support staff, and technicians, play a vital role in the deployment and operations of mobile networks, like 5G
- describe the evolution of mobile communications from the mobile radiotelephone to today's networks
- describe the features and innovations of 5G technologies
- describe the impact of 5G on our daily lives
- describe the part played by the administration and decision-makers of telecommunication providers in the deployment and operations of mobile communication networks, like 5G
- describe the various benefits of the smart city and how a smart municipal infrastructure, enabled by 5G, improves the quality of life of its citizens
- describe what a RAN is, its characteristics, some of the technologies used by it, and why it is an important part of the 5G architecture
- examine how 5G can be leveraged to enable citizen engagement
- examine how machine-type communications are expected to impact businesses, industries, and society as a whole
- examine some technological challenges involved in the migration from 4G to 5G, including backhaul capacity, frequency deployment, and geographical and topological obstacles
- examine the evolution of wireless communications and how recent trends enable machine-type communications
- examine the history and evolution of 4G, including intermediate rollouts and marketing promises
- explore how a lack of understanding and the proliferation of misconceptions can and has fueled conflict in 5G
- explore solutions and outcomes that will aid in resolving regulatory concerns
- explore solutions and outcomes that will aid in resolving technical concerns
- explore solutions and resolutions that will aid in allaying political concerns
- explore the nature of conflict in the technology industry and how it can be leveraged for good
- identify commercial applications of 5G in areas like manufacturing, industrial automation, and robotics
- identify how 5G can be used in combination with blockchains to improve supply chain management and logistics
- identify how and why the high device density delivered by 5G is vital for machine-type communications
- identify potential conflicts that may emerge from 5G
- identify specific machine-type communication applications in digital agriculture and examine the expected benefits

- identify specific machine-type communication applications in emergency services and examine the expected benefits
- identify specific machine-type communication applications in healthcare and examine the expected benefits
- identify specific machine-type communication applications in industrial monitoring and examine the expected benefits
- identify specific machine-type communication applications in transport and examine the expected benefits
- identify the potential applications and uses of 5G technologies
- identify the types of cells in a 5G network and how each type is used within the network as a whole
- list the most common conspirational obstacles to the deployment of 5G and understand their reasoning and motivation
- list the most common geographical and topological obstacles to the deployment of 5G and understand their effects on the technology
- list the most common political obstacles to the deployment of 5G and understand their reasoning and motivation
- list the most common regulatory obstacles to the deployment of 5G and understand their reasoning and motivation
- list the most common technical obstacles to the deployment of 5G and understand their reasoning and logic
- list the various domains and disciplines on which 5G will have a direct and substantial impact and specify why these influences are significant
- list the various groups opposing the development and deployment of 5G and the reasoning behind them
- list the various ways in which the immense speeds delivered by 5G can be beneficial
- outline the components of a mobile communications network and how they operate and interact
- outline the economic impact of 5G
- recall the origin, history, and development of mobile communications
- recall the various components of a modern cellular mobile communications network and how they interact with each other
- recognize how and why the low latency delivered by 5G is vital for machine-type communications
- recognize how artificial intelligence will help enable 5G machine-type communications
- recognize how IPv6 further enables the potential of 5G
- recognize the characteristics and components of a core cellular network and backhaul and the required design parameters for use in a 5G network
- recognize the players involved in the 5G lifecycle, both old and new, and differentiate between them
- recognize the role played by government regulatory organizations in defining and enforcing rules and guidelines for the deployment of mobile communications
- recognize the technological advancements and milestones achieved by 1G mobile communications networks
- recognize what network slicing is and what role it plays within a 5G network
- specify how 4G and 5G must coexist during a transition period and how this is achieved
- state the needs that 4G fulfilled and examine the results of its deployment
- within the context of real-life applications, compare the innovation of network slicing introduced with 5G and how this compares to 4G deployments

Track 2: 5G Practices

In this track of the 5G Technologies and Practices Skillssoft Aspire journey, the focus will be on 5G network architecture, small cell networking practices, 5G security, and working with government and regulations.

8 courses | 7h 10m 27s

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5G Mobile Network Providers: Diving Deeper into 5G's Layered Design

Objectives:

- review the OSI model, including its origins, history, and purpose
- compare and contrast the OSI model with the TCP/IP protocol stack
- describe how the OSI model is applied for wired communication
- describe how the OSI model was applied for wireless communication before the advent of 5G
- examine how the 5G protocol stack relates to the OSI model and how it extends its mechanisms of operation
- compare the operation of the 5G protocol stack with its 4G counterpart
- describe the operation of the 5G protocol stack at the physical layers
- describe the operation of the 5G protocol stack within the four sublayers of its data link layer
- describe the operation of the 5G protocol stack upper layers for both the user plane and the control plane
- describe the operation of the 5G protocol stack at the application layer



5G Mobile Network Providers: 5G Core Infrastructure

Objectives:

- describe the 5G core network architecture and its components
- examine the components and characteristics of the 5G core network architecture that make it so groundbreaking and innovative
- investigate the architecture of the 5G core network, its components, and its operation
- investigate the architecture of the 5G core network, its components, and its operation
- explore the advantages delivered by virtualization and their implication for the 5G core network
- list the various ways that the 5G core network offers new opportunities for businesses, consumers, and applications
- compare and contrast the 5G master core network to its predecessors and outline how its evolution enables the future
- compare and contrast the non-standalone and the standalone modes of 5G deployment
- describe the characteristics, technical implications, advantages, and disadvantages of a 5G network deployed in non-standalone mode and how this pertains to the 5G core
- describe the characteristics, technical implications, advantages, and disadvantages of a 5G network deployed in standalone mode and how this pertains to the 5G core



5G Mobile Network Providers: The 5G Protocol Stacks

Objectives:

- outline the purpose of a protocol stack and identify how it aids in understanding, designing, and operating communication networks
- examine the features of protocol stacks that define the mechanisms and operation of wireless
- identify the role of the Internet Protocol (IP) within a 5G network in both the short and long term
- compare the 4G protocol stack with that of 5G and determine how the former enables the latter
- describe various 5G protocol stacks, their functions, and their overall operation within the framework of a 5G network
- analyze the 5G user plane stack and how it enables end-to-end communication
- examine the user plane stacks associated with communication over the Xn and N4 interfaces
- analyze the 5G control plane stack and how it enables the communication between the UE and the AMF
- examine the 5G control plane stack and how it enables the communication between the UE and the SMF
- investigate the control plane stacks associated with communication over the Xn and N4 interfaces



5G Mobile Network Providers: 5G Mobile Networks & Providers

Objectives:

- recognize the common goals and services that mobile communication providers around the world share
- outline AT&T's 5G strategy and assess its positioning within the current market and industry environment
- outline T-Mobile's 5G strategy and assess its positioning within the current market and industry environment
- outline Verizon's 5G strategy and assess its positioning within the current market and industry environment
- outline EE's strategy and assess its positioning within the current market and industry environment
- outline Deutsche Telekom's strategy and assess its positioning within the current market and industry environment
- outline China Mobile's 5G strategy and assess its positioning within the current market and industry environment
- outline Cosmote's strategy and assess its positioning within the current market and industry environment
- outline SK Telecom's 5G strategy and assess its positioning within the current market and industry environment
- outline NTT DoCoMo's 5G strategy and assess its positioning within the current market and industry environment
- outline Reliance Jio's 5G strategy and assess its positioning within the current market and industry environment
- describe the strategies being implemented by some of the most prominent vendors of 5G equipment and infrastructure
- synopsise the current state of 5G deployment worldwide, based on the analysis of the examined mobile network operators



5G Principles & Practices: Small Cell Networking

Objectives:

- review the history of cellular networking from its inception to 4G networks
- discuss the reasoning behind the development of small cells in 5G and the advantages they deliver
- define 5G small cell technology and compare it with its legacy counterparts
- describe the various types of 5G small cells and illustrate how they are deployed in a real-world scenario
- analyze various unique network design principles involved in the deployment of small cell 5G networks
- describe various features that 5G small cell networking employs, including MIMO, beamforming, and self-healing capabilities
- explain the various options and technical challenges involved in the implementation of backhaul solutions and the delivery of power for small cell installations
- list the various applications that can benefit from or absolutely require small cell networks
- outline various real-world use cases for 5G small cell networking
- describe the network operations center procedures involved in managing a 5G small cell network



5G Security & Privacy Practices

Objectives:

- outline the history of security in telecommunications as well as the importance of privacy, especially in today's highly connected network
- identify the most common motivations behind attacks on telecom networks, including acquiring information and disrupting services
- discuss the fundamental principles involved in the implementation of network security and the methodologies used to achieve it
- describe the network vulnerabilities that are unique to 5G networks
- examine how the very architecture of 5G vastly increases the number of potentially vulnerable entry points into the network due to various technological innovations
- describe the 5G security vulnerabilities introduced with the advent of virtualization and slicing mechanisms
- outline how the use of non-standalone installations can introduce new vulnerabilities that must be dealt with
- list the various solutions made available to both equipment vendors as well as mobile network operators to ensure safe communication over 5G networks
- list the various standards that have been put into place in 5G networks by design to ensure network security on 5G infrastructure
- describe how security policies must be system-wide, where telecom networks such as 5G are only one of many important components



Lazaros Agapidis
Telecommunications and Networking Specialist

5G Practices: Working with Governments & Regulations

Objectives:

- analyze government involvement in 5G deployments and associated complexities
- detail the various ways in which government officials and related bodies are involved with 5G deployments
- examine the advantages associated with obtaining various government departments and entities as customers of 5G services
- analyze how government adoption of 5G technologies can act as a catalyst for further adoption in related areas and among non-governmental entities
- recall various types of obstacles that are most common when dealing with different levels of government and relevant governmental agencies
- describe how a lack of vision can be a major obstacle to 5G rollout, and examine ways in which it can be dealt with
- examine the various obstacles that governments may present when it comes to the deployment of 5G infrastructure in historical districts or parks, and investigate possible resolutions
- list the various complications involved with frequency allocation procedures for the deployment of 5G
- enumerate the possible obstacles that may present themselves through the adherence to required legal limits and thresholds when deploying 5G
- describe various strategies to deal with and overcome the most common obstacles and difficulties associated with government officials and agencies



Final Exam: 5G Practices

Objectives:

- analyze government involvement in 5G deployments and associated complexities
- compare and contrast the non-standalone and the standalone modes of 5G deployment
- compare and contrast the OSI model with the TCP/IP protocol stack
- compare the 4G protocol stack with that of 5G and determine how the former enables the latter
- compare the operation of the 5G protocol stack with its 4G counterpart
- define 5G small cell technology and compare it with its legacy counterparts
- describe the 5G core network architecture and its components
- describe the characteristics, technical implications, advantages, and disadvantages of a 5G network deployed in standalone mode and how this pertains to the 5G core
- describe the network vulnerabilities that are unique to 5G networks
- describe the operation of the 5G protocol stack at the physical layers
- describe the operation of the 5G protocol stack within the four sublayers of its data link layer
- describe various features that 5G small cell networking employs, including MIMO, beamforming, and self-healing capabilities
- describe various strategies to deal with and overcome the most common obstacles and difficulties associated with government officials and agencies
- detail the various ways in which government officials and related bodies are involved with 5G deployments
- discuss the reasoning behind the development of small cells in 5G and the advantages they deliver
- enumerate the possible obstacles that may present themselves through the adherence to required legal limits and thresholds when deploying 5G
- examine how the 5G protocol stack relates to the OSI model and how it extends its mechanisms of operation
- examine the advantages associated with obtaining various government departments and entities as customers of 5G services

- examine the features of protocol stacks that define the mechanisms and operation of wireless
- examine the user plane stacks associated with communication over the Xn and N4 interfaces
- explore the advantages delivered by virtualization and their implication for the 5G core network
- identify the most common motivations behind attacks on telecom networks, including acquiring information and disrupting services
- identify the role of the Internet Protocol (IP) within a 5G network in both the short and long term
- investigate the architecture of the 5G core network, its components, and its operation
- list the various applications that can benefit from or absolutely require small cell networks
- outline AT&T's 5G strategy and assess its positioning within the current market and industry environment
- outline China Mobile's 5G strategy and assess its positioning within the current market and industry environment
- outline how the use of non-standalone installations can introduce new vulnerabilities that must be dealt with
- outline Reliance Jio's 5G strategy and assess its positioning within the current market and industry environment
- outline the history of security in telecommunications as well as the importance of privacy, especially in today's highly connected network
- outline the purpose of a protocol stack and identify how it aids in understanding, designing, and operating communication networks
- outline T-Mobile's 5G strategy and assess its positioning within the current market and industry environment
- outline various real-world use cases for 5G small cell networking
- outline Verizon's 5G strategy and assess its positioning within the current market and industry environment
- recall the most common motivations behind attacks on telecom networks, including acquiring information and disrupting services
- recognize the common goals and services that mobile communication providers around the world share
- review the architecture of the 5G core network, its components, and its operation
- review the history of cellular networking from its inception to 4G networks
- review the OSI model, including its origins, history, and purpose
- synopsise the current state of 5G deployment worldwide, based on the analysis of the examined mobile network operators

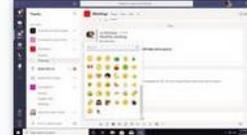
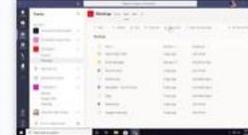
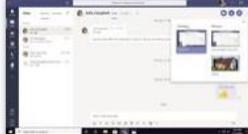
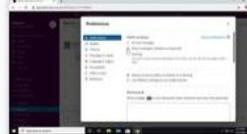
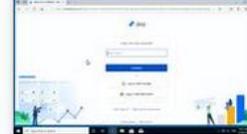
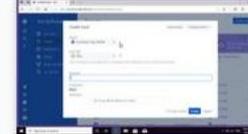
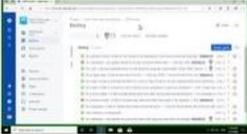
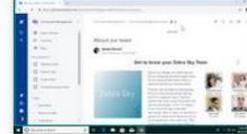
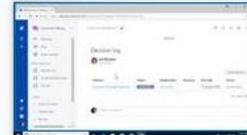
Business & Leadership for 5G Technologies and Practices Optional

 <p>COURSE</p> <p>Clarity and Conciseness in Business Writing</p> <p>1245</p>	 <p>COURSE</p> <p>Facilitating Sustainable Change</p> <p>384</p>	 <p>COURSE</p> <p>Coaching Techniques That Inspire Coachees to Action</p> <p>642</p>	 <p>COURSE</p> <p>Strategies for Managing Technical Teams</p> <p>240</p>	 <p>COURSE</p> <p>Personal Power and Credibility</p> <p>847</p>
 <p>COURSE</p> <p>Developing and Supporting an Agile Mindset</p> <p>1169</p>	 <p>COURSE</p> <p>Managing a Project to Minimize Risk and Maximiz...</p> <p>623</p>	 <p>COURSE</p> <p>ITIL® Continual Service Improvement</p> <p>198</p>	 <p>COURSE</p> <p>Building a Culture of Design Thinking</p> <p>482</p>	 <p>COURSE</p> <p>Building the Foundation for an Effective Team</p> <p>651</p>
 <p>COURSE</p> <p>Leading a Cross-functional Team</p> <p>213</p>				

Bookshelf Optional

 <p>BOOK</p> <p>The Future Home in the 5G Era: Next Generation...</p> <p>4</p>	 <p>BOOK</p> <p>5G Explained: Security and Deployment of Advanced...</p> <p>13</p>	 <p>BOOK</p> <p>5G for the Connected World</p> <p>10</p>	 <p>BOOK</p> <p>LTE Advanced Pro: Towards the 5G Mobile Network</p> <p>3</p>	 <p>BOOK</p> <p>5G Mobile Core Network: Design, Deployment,...</p> <p>3</p>
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Productivity Tools for 5G Technologies and Practices Optional

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