

NATIONAL SKILLS QUALIFICATION

LEVEL 3

TITLE:

DIGITAL SERVICE OPERATIONS

YEAR:

2024

NATIONAL SKILLS QUALIFICATION

NSQ LEVEL 3- DIGITAL SERVICE OPERATIONS

GENERAL INFORMATION

QUALIFICATION PURPOSE

This qualification is aimed at equipping learners with the knowledge and skills Digital Service Operations.

QUALIFICATION OBJECTIVES

To achieve this qualification, the learner should gain the following competencies:

- Operate Content Management Systems at an Intermediate level.
- Perform Transactions Management at an Intermediate level.
- Operate web server-side scripting technologies.
- Conduct Digital Marketing at an Intermediate level.
- Apply the fundamentals of Project Management
- Apply the fundamentals of Ethical Hacking
- Apply the fundamentals of Computer Networking
- Apply the fundamentals of Database Management and Administration.
- Apply the fundamentals of IT Strategy for Digital Service Operations

Mandatory Units

S/No	Reference	NOS Title	Credit	Guided	Remark
/Unit	Number		Value	Learning	
No				Hours	
1	ICT/DSO/L3/001	Occupational Health and Safety	2	20	
2	ICT/DSO/L3/002	Communication skills in work place	2	20	
3	ICT/DSO/L3/003	Team Work	2	20	
4	ICT/DSO/L3/004	Transactions Management II	5	50	
5	ICT/DSO/L3/005	Web Server-Side Technologies	5	50	
6	ICT/DSO/L3/006	Introduction to Ethical Hacking	4	40	
7	ICT/DSO/L3/007	Introduction to Computer Networking	4	40	
8	ICT/DSO/L3/008	Introduction to Relational Database	5	50	
9	ICT/DSO/L3/009	Introduction to Knowledge Management	4	40	
10	ICT/DSO/L3/010	IT Strategy in Digital Service Operations I	4	40	
	TOTA	L	37	370	

Optional Units

S/No	Reference	NOS Title	Credit	Guided	Remark
/Unit	Number		Value	Learning	
No				Hours	
11		Content	5	50	
	ICT/DSO/L3/011	Management			
		Systems II			
12	ICT/DSO/L3/012	Digital Marketing II	5	50	
13		Introduction to IT	4	40	
		Project			
	ICT/DSO/L3/013	Management in			
		Digital Service			
		Operations			
	TOTAL		14	140	

NOTE: To qualify for NSQ Level 3 in Digital Service Operations, learners must complete seven compulsory units (Units 1, 2, 3, 4, 5, 6, and 7) and three optional units (Units 8, 9, and 10).

UNIT 1: Occupational Health and Safety

Unit Reference Number: ICT/DSO/L3/001

NSQ level: 3

Credit value: 2

Guided learning hours: 20

Unit Purpose: This unit is designed to equip learners with the knowledge and skills required for health and safety in workplace.

Unit Assessment Requirements/Evidence Requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. Simulation is allowed in this unit and level.

- 1. Direct Observation (DO)
- 2. Question and Answer (QA)
- 3. Witness Testimony (WT)
- 4. Personal statement (PS) or Reflective Practice (RP)
- 5. Assignment (ASS)
- 6. Recognition of Prior Learning (RPL)

UNIT 01: Occupational Health and Safety

LEARNING		PERFORMANCE	Evidence	E	vide	ence
OBJECTIVE		CRITERIA	Type	R	ef.	Page
(LO)				N	0.	
		The learner can:				
LO 1:	1.1	Describe waste disposal in line				
Observe Health		with organizational				
and Safety		procedures.				
Precaution in	1.2	Maintain personal hygiene in				
Workplace		the workplace.				
	1.3	Identify safety signs and				
		symbols relevant to operation.				
	1.4	Select safety equipment to be				
		used in the workplace.				
LO 2:	2.1	Locate potential hazard points				
Understand	2.2	at in the workplace Discuss causes of hazard in				
Hazard in	2.2	workplace:				
workplace		NegligenceHuman Error				
		Machine malfunction,				
	2.2	etc.				
	2.3	Report identified hazard points				
	2.4	to the supervisor				
	2.4	Identify possible hazard to the				
		supervisor:				
		Severe weather conditions				
		Severe vibration				
		• Pollution, etc.				
LO 3:	3.1	State types of accident in in workplace:				
Understand		 Fire accident 				
Accident in		Electric shock				
workplace	3.2	State causes of accidents in				
		workplace				

LEARNING		PERFORMANCE	Evidence	Evide	ence
OBJECTIVE		CRITERIA	Туре	Ref.	Page
(LO)				No.	
		The learner can:			
	3.3	State measures to prevent			
		accident at in the workplace:			
		 Maintain alertness on the job Promote safety awareness Observe rest cycle Use PPE, etc. 			
	3.4	Demonstrate First Aid at workplace.			

Learners Signature:	Date
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

UNIT 2: Communication Skills in workplace

Unit Reference Number: ICT/DSO/L3/002

NSQ level: 3

Credit value: 2

Guided learning hours: 20

Unit Purpose: This unit is designed to equip the learner with the knowledge and skills needed to communicate effectively in the workplace.

Unit Assessment Requirements/Evidence Requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. Simulation is allowed in this unit and level.

- 1. Direct Observation (DO)
- 2. Question and Answer (QA)
- 3. Witness Testimony (WT)
- 4. Personal statement (PS) or Reflective Practice (RP)
- 5. Assignment (ASS)
- 6. Recognition of Prior Learning (RPL)

UNIT 02: Communication Skills

LEARNING		PERFORMANCE	Ev	vide	nce	•	Ev	ide	nce	
OBJECTIVE (LO)		CRITERIA	Ty	pe			Re	f.	Pag	ge
							No	٠.		
		The learner can:								
LO 1: Understand	1.1	Discuss communication in								
Communication in		workplace								
workplace		 peer to peer Operator Helper to Operator Operator to supervisor. 								
	1.2	Discuss the importance of communication in a work environment.								
	1.3	Describe how to get								
		information from schedule of work								
LO 2:	2.1	Discuss the forms of								
Understand		communication:								
methods of		• Verbal (spoken)								
Communication in workplace		Non-verbal (written)								
workplace	2.2	Communicate work information to supervisor								
	2.3	Communicate information in written form								
LO 3:	3.1	Receive written/verbal								
Understand		information on the job								
elements of	3.2	Follow verbal instruction on								
Communication in		the job								
workplace	3.3	Pass verbal								
		information/instruction on								
		the job								

LEARNING		PERFORMANCE	Evidence	Ev	idence
OBJECTIVE (LO)		CRITERIA	Туре	Re	f. Page
				No	•
		The learner can:			
LO4:	4.1	Identify potential obstacles			
Communicate to		that can hinder work progress			
immediate		in an ICT environment, such			
supervisor/team		a			
members	4.2	 Software issues: Bugs, glitches, compatibility problems, or security breaches. Hardware problems: Equipment malfunctions, hardware failures, or insufficient system resources. Network connectivity issues: Lack of internet access, slow internet speeds, or network outages Report concerns which may 			
		affect work progress.			
	4.3	Record work instructions.			
	4.4	Record routine daily checks on software and hardware			

Learners Signature:	Date
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

UNIT 3: Teamwork

Unit reference number: ICT/DSO/L3/003

NSQ level: 3

Credit value: 2

Guided learning hours: 20

Unit Purpose: This unit is designed to equip the learner with the knowledge and skills required to relate cordially in the workplace.

Unit Assessment Requirements/Evidence Requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. Simulation is allowed in this unit and level.

- 1. Direct Observation (DO)
- 2. Question and Answer (QA)
- 3. Witness Testimony (WT)
- 4. Personal statement (PS) or Reflective Practice (RP)
- 5. Assignment (ASS)
- 6. Recognition of Prior Learning (RPL)

UNIT 003: Teamwork

LEARNING		PERFORMANCE	E	vide	nce	,	Evide		nce		
OBJECTIVE		CRITERIA	Type		Type			Re	Ref.		ge
(LO)							No	٠.			
		The learner can:									
LO 1:	1.1	List the advantages of									
Understand the		working as a team.									
benefits of											
Working in a	1.2	Describe the attributes of a									
Team at		team player:									
Workplace		 Mutual respect Common goal Discipline Mutual understanding Trust Honesty and sincerity, etc. 									
	1.3	List members that constitute a									
		team in the ICT work									
		environment:									
	1.4	 Systems Analysts Software Developers Database Administrators (DBAs) Network Engineers Security Analysts Help Desk Technicians, etc. Recognize team members in a environment. 									
Lo 2:	2.1	Explain the need for good									
Understand how		working relationship with									
to relate with team members		team members at the									
		workplace.									

LEARNING		PERFORMANCE	Ev	vide	nce	:	Ev	ide	nce			
OBJECTIVE		CRITERIA	Ту	Type			Re	f.	Pag	ge		
(LO)									No) .		
		The learner can:										
	2.2	Recognize the roles of other										
		team members.										
	2.3	Discuss your own role in										
		achieving the objectives of the										
		team.										
	2.4	Explain the role of a Network										
		Administrator in an ICT work										
		environment.										
	2.5	Discuss the relationship										
		between the Network										
		Administrator and positions										
		within the ICT team.										
LO3:	3.1	State the qualities of a good										
Observe Positive		Network Administrator:										
Work		 Strong technical skills 										
Relationships		 Problem-solving abilities 										
with colleagues		Communication skills										
		• Customer service										
		orientation • Attention to detail										
		Adaptability										
		Teamwork										
	3.2	Relate with other members at										
		workplace										

LEARNING		PERFORMANCE	Evidence	Evid	ence
OBJECTIVE		CRITERIA	Type	Ref.	Page
(LO)				No.	
		The learner can:			
	3.3	Explain the importance of			
		effective communication and			
		collaboration with other team			
		members to ensure smooth			
		operations			
	3.4	Communicate information that			
		may affect other workers.			

Learners Signature:	Date
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit 4: TRANSACTIONS MANAGEMENT II

Unit Reference Number: ICT/DSO/L3/004

QCF level: 3

Credit value: 5

Guided learning hours: 50

Unit Purpose:

This unit aims to equip learners with knowledge and skills to carry out transaction management at an intermediate level.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

- 1. Direct Observation
- 2. Recognition of Prior Learning and experience
- 3. Question and Answer
- 4. Group Projects
- 5. Case Studies
- 6. Presentations
- 7. Assignment

Pre-requisite: The learner must have completed Transaction Management I in level 2

Unit 4: Transaction Management II

LO (Lear	ning of	ıtcome) Criteria:-	Е	vic	lence	•	Evidence Ref							
LO (Lear	ning ot	etteria		Ту	pe			P	age 1	num	ber			
LO 1	1.1	Explain the term transaction												
T7 1 . 1		authorization												
Understand	1.2	Describe the transaction												
Transaction		authorization process												
Authorization	1.3	Describe the permission levels												
		involved in transaction authorization												
LO 2														
Understand	2.1	Explain transaction clearing and												
		settlement procedures												
Transaction	2.2	Discuss the concept split payment												
Processing		transactions												
	2.3	Describe billing in transactions												
	2.4	Describe electronic data interactions												
		during transaction processing												
LO 3	3.1	Describe the system of querying or												
Undanatus I Dage		ascertaining transaction status												
Understand Post-	3.2	Describe dispute resolutions in e-												
Transaction		commerce												
Activities	3.3	Describe process of logging												
		transaction records												
	3.4	Demonstrate the knowledge of												
		recording successful transactions in												
		a web grid interface.												

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit 5: WEB SERVER-SIDE TECHNOLOGIES (PHP, SQL)

Unit Reference Number: ICT/DSO/L3/005

NSQ level: 3

Credit value: 5

Guided learning hours: 50

Unit Purpose:

This unit aims to equip learners with the knowledge and skills of web server-side technologies: Php & MySQL

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

- 1. Direct Observation
- 2. Recognition of Prior Learning and experience
- 3. Question and Answer
- 4. Group Projects
- 5. Case Studies
- 6. Presentations.
- 7. Assignment

Unit 5: Web Server-Side Technologies (PHP, SQL)

LO (Learnin	g out	come) Criteria:-	Ev	iden	ce T	ype		nce I numl	
LO 1	1.1	Define server-side scripting and							
Understand Server-		its applications in a website infrastructure.							
side scripting technologies	1.2	Explain various server-side scripting technologies							
	1.3	Describe the components that make up a complete server side scripting platform							
	1.4	Describe the process of setting up a server-side scripting infrastructure							
	1.5	Describe the relationship between web servers, databases and http requests							
LO 2									
Understand data	2.1	Describe the process of creating and using server-side scripting in HTML documents							
processing with server-side scripting	2.2	Demonstrate how server-side scripting file is included in HTML files							
	2.3	Demonstrate how variables and functions are declared and defined in server-side scripting Use server-side scripting for processing data on a html form							

LO3							
	3.1	Introduction to an Object					
		Oriented programming (OOP)					
Understand the		language					
development of	3.2	Define variables, logical					
interactive web		operators and control structures					
Pages		in an OOP language					
	3.3	Explain how to use any OOP					
		language with HTML					
	3.4	Demonstrate how to post and					
		publish a website					
	3.5	Identify the relationship between					
		Client side and Server side					
		scripts					
LO 4							
Understand	4.1	Define Database management					
database		systems (e.g. Oracle, MySQL,					
		etc)					
management system	4.2	Develop Database connectivity					
	4.3	Demonstrate ability to connect to					
		a DBMS					

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:

EQA Signati	ure (if sampled)	Date:	

UNIT 6: INTRODUCTION TO ETHICAL HACKING

Unit Reference Number: ICT/DSO/L3/006

NSQ level: 3

Credit value: 4

Guided learning hours: 40

Unit Purpose:

This unit aims to equip learners with knowledge and skills of solving security issues in digital service operations.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

- 1. Direct Observation
- 2. Recognition of Prior Learning and experience
- 3. Question and Answer
- 4. Group Projects
- 5. Case Studies
- 6. Presentations.
- 7. Assignment

Unit 6: Introduction to Ethical Hacking

LO (Learni	ng outc	ome) Criteria:-	Ev	iden	ce T	ype		nce]	
LO 1									
Understand the	1.1	Define Ethical Hacking							
concept of Ethical Hacking	1.2	Describe Ethical Hacking methodology							
	1.3	Explain Ethical Hacking terminologies such as threat, exploit, vulnerability, target of evaluation (ToE), denial of service etc.							
LO 2									
Understand the processes of	2.1	Describe the different phases of ethical hacking (i.e.							
ethical hacking		Reconnaissance, foot printing, scanning, gaining access, maintaining access and covering tracks)							
	2.2	Describe the techniques of Ethical Hacking							
	2.3	Explain Port, Service and Data Enumeration as it relates to hacking							
LO3: Carry out Ethical Hacking	2.1	Detect Ransomware Attack							

2.2	Detect Phishing					
2.3	Recover hacked facebook account					
2.4	Recover Hacked Whatsapp account					

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

UNIT 7: INTRODUCTION TO COMPUTER NETWORKING

NSQ level:	3		
Credit value:	4		

Unit Reference Number: ICT/DSO/L3/007

Guided learning hours: 40

Unit Purpose:

This unit aims to equip learners with the knowledge of network fundamentals.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

- 1. Direct Observation
- 2. Recognition of Prior Learning and experience
- 3. Question and Answer
- 4. Group Projects
- 5. Case Studies
- 6. Presentations.
- 7. Assignment

Unit 7: Introduction to Computer Networking

LO (Learni	ng out	come) Criteria:-	Ev	iden	ce T	ype	Evidence Ref Page number					
LO 1												
	1.1	Define a network										
Understand												
Networks and its	1.2	List network hardware										
Essentials		component										
	1.3	Identify types of network and										
		network topologies										
	1.4	Explain types of network										
		configuration (e.g. peer-to-peer										
		networks, client/server										
		networks)										
	1.5	Describe the different types of										
		cable categories and connectors										
LO 2	2.1	Define IP address terminologies										
		(e.g. Host, Broadcast etc)										
Understand	2.2	List the TCP/IP Reference										
Network Layers,		Model										
Model and	2.3	State the OSI reference model										
Architecture												
102	2.1	L' 4 1 CID 11										
LO 3 Understand IP	3.1	List classes of IP address										
Address Classes	2.2	E1-1-4-4-4-4-4-1-1-1-1-1-1-1-1-1-1-1-1										
	3.2	Explain the types of IP Address										
and Subnetting	2.2	(Public and Private)										
	3.3	Define subnet mask										
	3.4	Evaloin the masses submet as al-										
	3.4	Explain the process subnet mask calculation										
		calculation										

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit 8: Introduction to Relational Database

U	nit	R	efer	ence	N	uml	ber:	I	C1	[]	DS	5()/	$^{\prime}\mathrm{L}$	3/	00	8
U	$III\iota$	1/(CHCC	141	um	uei.	1	C I	L / J	$\boldsymbol{\nu}$	"	Ļ		\mathcal{J}/\mathbf{L}	JILJI	フィレンバリリ

NSQ level: 3

Credit value: 5

Guided learning hours: 50

Unit Purpose:

This unit aims to equip learners with the knowledge and skills for designing a database and the basics of Structured Query Language.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

- 8. Direct Observation
- 9. Recognition of Prior Learning and experience
- 10. Question and Answer
- 11. Group Projects
- 12. Case Studies
- 13. Presentations.
- 14. Assignment

Unit 8: Introduction to Relational Database

LO (Learni	ng out	g outcome) Criteria:-			Evidence Type			Evidence Type					Evidence Res				
LO1.																	
	1.1	Define a Database															
Understand																	
Database Models	1.2	Define Database Management															
& Structure		System (DBMS)															
	1.3	Describe the need for a database															
		system															
	1.4	Identify the functional															
		components of a DBMS															
	1.5	Describe the effects of poor															
		database planning and design															
LO2																	
Understand	2.1	Explain any database design															
Database Design		model (e.g. entity-relationship															
and logic		model, UML, etc)															
	2.2	List types of relationships															
		between entities															
	2.3	Describe logical database design															
	2.4	Explain Relational Database															
		Management System (RDBMS)															
	2.5	Create a database design using															
		any model															
LO3																	

Understand	3.1	Define SQL Management					
Database		Systems					
Structured Query	3.2	Identify popular SQL					
Language and		Management Systems (e.g.,					
Management		MySQL, PostgreSQL, Microsoft					
Systems		SQL Server, Oracle, etc).					
	3.3	Create a simple SQL query					
	3.4	Describe user access and					
		permission management in SQL					
		Management Systems.					

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit 9: CONTENT MANAGEMENT SYSTEMS II

Unit Reference Number: ICT/DSO/L3/009

NSQ level: 3

Credit value: 5

Guided learning hours: 50

Unit Purpose:

This unit aims to equip learners with knowledge and skills to use content management systems at an intermediate level.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

- 15. Direct Observation
- 16. Recognition of Prior Learning and experience
- 17. Question and Answer
- 18. Group Projects
- 19. Case Studies
- 20. Presentations.
- 21. Assignment

Pre-requisite: The learner must have completed Content Management System I in Level 2

Unit 9: Content Management Systems II

LO (Learnin		come) Criteria:-	Evidence Type						nce I		
	ı								age 1	numl	oer
LO 1	1.1	Describe how User Interfaces									
Understand how to		can be integrated into Content									
		Management systems									
improve User	1.2	Describe a User Interface									
Experience in		framework that can be integrated									
Content		into content management									
Management System (CMS)		systems									
	1.3	Develop quality User Interface									
		with a content management									
		system									
LO 2											
Understand	2.1	Describe plugins and their									
		importance in Content									
Content		Management Systems									
Management	2.2	Describe the effect of plugins									
System		integration in Content									
Functionality		Management Systems									
	2.3	Identify types and categories of									
		plugins									
	2.4	Describe methodologies for									
		plugin integration into content									
		management systems									
	2.5	Demonstrate the installation of									
		different plugins to design a									
		robust website									

LO 3	3.1	Understand taxonomies (categories,					
Know advanced		tags, custom post types) for					
features of popular		organizing content effectively.					
CMS platforms (e.g.,							
WordPress, Drupal,							
Joomla) for content							
management							
	3.2	Identify taxonomies (categories,					
		tags, custom post types) for					
		organizing content effectively					
	3.3	Design content scheduling,					
		version control, and approval					
		workflows for publishing.					

Learners Signature:	Date:
Assessors Signature: IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit 10: Digital Marketing II

Unit Reference Number: ICT/DSO/L3/010

NSQ level: 3

Credit value: 5

Guided learning hours: 50

Unit Purpose:

This unit aims to equip learners with the knowledge and skills of digital marketing operations at an intermediate level.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

- 22. Direct Observation
- 23. Recognition of Prior Learning and experience
- 24. Question and Answer
- 25. Group Projects
- 26. Case Studies
- 27. Presentations.
- 28. Assignment

Pre-requisite: The learner must have completed Digital Marketing I in Level 2

Unit 10: Digital Marketing II

LO (Learni	ng out	come) Criteria:-		iden	ce T	ype		nce l	
LO 1									
	1.1	Define a search Engine							
Understand									
Search Engines	1.2	Identify different search engines							
	1.3	Describe the importance of							
		search engines to websites, users							
		and businesses							
LO 2:	2.1	Define digital marketing							
Know digital		techniques							
marketing	2.2	List digital marketing techniques							
techniques		(e.g. Search Engine							
		Optimization, Affiliate							
		Marketing, Social Media							
		Marketing etc.)							
	2.3	Describe digital marketing							
		techniques and their importance							
	2.4	Implement digital marketing							
		with one or more digital							
		marketing techniques							
LO 3:	3.1	Define digital marketing metrics							
Know Digital									
Marketing	3.2	Describe how to measure online							
Matrices		marketing success with digital							
		marketing tools.							

marketing campaign	3.3	Conduct analysis of digital marketing campaign									
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Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit 11: INTRODUCTION TO IT PROJECT MANAGEMENT IN DIGITAL SERVICE OPERATIONS

Unit Reference Number: ICT/DSO/L3/011

NSQ level:	3			
Credit value:	4			
Guided learning hours:	40			
		Unit Purpose:		

This unit aims to equip learners with the knowledge and skills of project management in digital service operations.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

- 29. Direct Observation
- 30. Recognition of Prior Learning and experience
- 31. Question and Answer
- 32. Group Projects
- 33. Case Studies
- 34. Presentations.
- 35. Assignment

Unit 11: Introduction to IT Project Management in Digital Service Operations

LO (Learni	ng out	come) Criteria:-	Ev	iden	ce T	ype		nce]	
LO 1									
Understand	1.1	Define an IT Project							
fundamentals of		, and the second							
IT Project	1.2	Identify the phases of an IT							
Management		Project							
	1.3	Identify the constraints of IT							
		Project Management (Time,							
		Scope and Budget)							
	1.4	Describe the role of a Project							
		Manager							
	1.5	Explain the key knowledge areas							
		(Cost Management, Quality							
		Management, Risk							
		Management, Communications							
		Management) IT Project							
		Managers should posses							
LO 2									
Understand the									
tools, techniques	2.1	Define Project Management							
and stakeholders		Tools							
for Project	2.2	Identify tools and techniques for							
Management		IT Project Management (Project							
		Charter, Gantt charts, change							
		requests)							
	2.3	Define IT Project Stakeholders							

	2.4	Identify different IT Project					
		Stakeholders					
LO3:							
Understand the							
Antecedents of	3.1	Identify the factors which					
Project Success		determine the success of a					
		project (e.g. On budget, Meets					
		Customer's requests, On time)					
	3.2	Describe factors that can lead to					
		the failure of a project (e.g. Poor					
		planning, lack of resources, late					
		delivery)					
	3.3	Describe how to close a project					

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

UNIT 12: INTRODUCTION TO KNOWLEDGE MANAGEMENT

Unit Reference	Number:	ICT/DSO/L3/012
Omit ixtitutuitt	1 Tulling .	

NSQ level: 3

Credit value: 4

Guided learning hours: 40

Unit Purpose:

This unit aims to equip learners with knowledge and skills of management in digital service operations.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

- 36. Direct Observation
- 37. Recognition of Prior Learning and experience
- 38. Question and Answer
- 39. Group Projects
- 40. Case Studies
- 41. Presentations.
- 42. Assignment

Unit 12: Introduction to Knowledge Management

LO (Learni	ing out	come) Criteria:-	Ev	iden	ce T	ype			nce]	
						ı	Р	age :	num	ber
LO 1										
Understand	1.1	Define Knowledge								
fundamental										
concepts of	1.2	Identify different types of								
Knowledge		knowledge								
	1.3	Identify the difference between								
		data, information and knowledge								
	1.4	Describe the importance of								
		knowledge in managing								
		business								
LO 2	2.1	Define Knowledge management								
Understand the										
concept of	2.2	Identify knowledge management								
knowledge		techniques								
management	2.3	Differentiate knowledge								
		management and data								
		management								
	2.4	Identify different processes in								
		knowledge management								
	2.5	Describe the importance of								
		knowledge management in								
		business								

LO3:	3.1	Define the key components of					
Understand		knowledge management					
knowledge		infrastructure					
management							
infrastructure	3.2	Explain knowledge base system					
		infrastructure					
	3.3	Explain ways in which					
		knowledge management					
		infrastructure impacts business					

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

UNIT 13: IT STRATEGY IN DIGITAL SERVICE OPERATIONS I

Unit Reference Number: ICT/DSO/L3/0013

NSQ Level: 3

Credit Value: 4

Guided Learning hours: 40

Unit Purpose:

This unit aims to equip learners with knowledge and skills of using technology in a business environment.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

- 43. Direct Observation
- 44. Recognition of Prior Learning and experience
- 45. Question and Answer
- 46. Group Projects
- 47. Case Studies
- 48. Presentations.
- 49. Assignment

UNIT 13: IT Strategy in Digital Service Operations I

100		(C.:4	Е	vic	lence	9	E	vide	nce]	Ref
LO (Lear	ning ot	tcome) Criteria:-		Ty	pe		P	age :	num	ber
LO 1:	1.1	Explain IT Strategy								
LO 1.										
Understand the	1.2	Outline the different approaches to								
concept of IT		IT strategy								
Strategy	1.3	Discuss the benefits of IT strategies								
		to businesses								
LO 2:										
LO 2.	2.1	Describe a business environment								
Understand the										
internal and	2.2	Differentiate between the internal								
external business		(Micro) and External (Macro)								
environments		Business environments								
	2.3	Outline the components of internal								
		and external business environment								
LO 3:	3.1	Outline tools for internal (micros)								
Know		environmental analysis								
environmental	3.2	Outline tools for external (macro)								
analysis tools and		environmental analysis								
techniques	3.3	Conduct internal (micro)								
		environmental analysis of a Digital								
		Service business								

	3.4	Conduct external (macro) environmental analysis of a Digital Service Business					
LO 4:	4.1	Define business mission, vision,					
Understand the		objectives					
Role of Strategy	4.2	Discuss the importance of strategy		П			
in Digital Service		for Digital Service Businesses					
Operations	4.3	Discuss the relationship between					
Businesses		strategy, objective and business					
		environment					
	4.4	Develop a strategy for a Digital					
		Service business					

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

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