	Topic title	SUMMARY OF KNOWLEDGE ACQUISTION	APPROXIMATE	1	Te	erm 1a	T T	-		T	T	Term1b	I			Terr	12a	T		Term	26			Ter	rm 3a	-	-	П	Term	3b		—
			(Lessons)	1 2	2 3	4	5 6	, ,	8	1	2 3	4 5	6	7	1	2 3	4 5	6	1 2	3	4 5	6	1	2	3 4	5	1	2	3 4	5	6	,
ır 10					-				-	-			-		T I			-	- 1	-		Ť I		-		Ť		f	Ť	÷	Ħ	Ē
	Comp 3 - A1 Modern Technologies	Communication Technologies, Cloud storage, Cloud computing, Cloud technologies, Tradtional systems, Implications for organisations	6					Т		T	Т		T			Т		T		T							T	П	T	Т	П	Γ
	Comp 3 - A2 Impact of	Changes to modern teams, how organisators use modern technologies,	0								+		-			-		-		+							+	+	+	+	\square	H
,	modern technologies	statkeholders, inclusivity & accessibility, postive & negative impacts of modern technology	6			1													11			11							, I			1
	Comp 3 - B1 Threats to	Why systems are attacked, external threats, internal threats, impact of security																									1	T		-		
3		ureacti	4	+	+	+	++	+	+	-	-		+		++	+	\vdash	+	\vdash	+	\vdash	++		+		-	+	\vdash	+	+	\vdash	⊢
	Comp 3 - B2 Prevention and	User access restriction, data level protection, finding weaknesses and improving																														1
4	data	eysoon adlutty	4			L																\square						Ш				Ľ
5	Comp 3 - B3 Policy	Defining responsibilities and security parameters, disaster recovery policy, actions to take after an attack	6																						nt							
	Comp 3 - C1 Responsible											1													mer		+		1	+	\square	
e	use	snared data, responsible use, environmental considerations	2																						3 SSE	_						
	Comp 3 - C2 Legal & ethical	Equal access, net neutrality, acceptable use policies, socila v business, data protection principles, data and the internet, intellectual property, criminal use of																							dmo							1 '
	Comp 3 - D2 Forms of	computer systems	6	_	_	_	++	_	-	_	_	+ +	_		+ +	_	_						_	-	al A	-	—	+-+	-+-	_	+	\vdash
8	Notation	Data flow diagrams, flowcharts, system diagrams, tables, written information	6																						isio terr	_	_			_		
10	Comp 1 - A1: What is a user interface?	Definitions of user interfaces, types of interfaces, range of uses	6																						Sev SEx							1
	Comp 1 - A2: Audience	Factors affecting choice of user interface. Hardware and Software influences																							_ qu		-		_	-		
11	Needs	actors anecongenerate of each meetine, randware and Software modelines	6	_	_	_	++	_			_		_			_		_		_			_		Com		+	\vdash	_	_	+	\vdash
	Comp 1 - A3: Design principles	Accessionity needs, skill level, demographics, colours, font styleysize, language, amount of information, layout, user perception, retaining user attention, intuitive																														1 '
12	principies	design.	6	_	_	_	++	_	_		_					_		_		_			_				+	\vdash	_	_	$ \rightarrow $	\vdash
	Comp 1 - A4: Designing an efficient user interface	Keyboard shortcuts, input messages, eash reversal of actions, large objects, focus time_selection time																														1 '
13			6	_	_	_		_	-	_	_		_						-	_			_	-			+-	⊢	\rightarrow	_	_	
14		Comp 2 Con Hangiment	10																										_			
13	Comp 1 - B1 Project Planning Techniques	Methodologies, Project Planning Basic Tools, SMART aims/objectives, Audience and nurnose. Project Requirements																														
	Comp 1 - B2 Create a	Constraints, Risks, Timescales, Planning tools: Gantt Charts, Pert charts, Critical Path				-		-																			-	1	_			
15	project plan	diagrams	у																								_		_			
	Comp 1 - B3 Creating an initial design	User requirements, Input requirements, Output Requirements, User accessibility needs, Visualisation, Hardware, Software, Testing																														
	Comp 1 - C1 Developine >	Features - awareness of intended device, user requirements, overall look and feel		1	1	T	++	1	П	t	1	\uparrow	1		11	1	T T	1	\square	1								\square	Ħ			
	User interface	inouts, outputs, navigation & ease of use			_	1	\square	_	Ц			++	_		+				Щ			++					4		┛	_		
	Lomp 1 - C2 Refining a User interface	Refining the design, Document the changes through each iteration				1			11				1		11			1	11	1		11										
	Comp 1 - C3 Review	Strengths and Weaknesses of the user interface & project planning techniques		Ť	1	1	$\uparrow\uparrow$	1	11	T		11	1					1		1				1			1					
		Compl Arrighment (AB	<u> </u>	+	+	+	++	+	+	+	+	++	+	\vdash	++		\vdash	+	\vdash	+	\vdash	++	-	+		-	+	++	┦	-		
_		compt Assignment 188																										ГI				
11																																
	Comp 2 - A1 Characteristics	Characteristics of data and information	2				TT	T		T	T		T		\Box	1		T		T				П	Т	Т	T	П	Т	Т	П	
1	of data and information		•				\square					\square						_		_		\square							\bot	⊥		Ľ
	Comp 2 - A2 Representing	Representing information	2		1			1	11	Γ		1 [1		1.	1		1	ΙĪ	1		1 [1 I	Γ	1	1	Ιſ	ſ		ļĮ	1 7
	Comp 2 - A25		<u> </u>	+	+	F		+	+	+	+	++	+	\vdash	++		\vdash	+	\vdash	+	\vdash	++	-	\vdash	+	+	+	++	+	+	\vdash	⊢
3	comp 2 - A3Ensuring data is suitable for processing	Ensuring data is suitable for processing - validation & verification	2			1							1		11			1	11	1		11		11	I			11	. 1			1
	Comp 2 - A4 Data collection	Data collection - data collection methods & features, big data	2		1	1	11	1				\uparrow	1		11	1		1	\uparrow	1		11		П	1	+	1	ГŤ	t	T	П	Г
_	Comp 2 - A5 Quality of	- Quality of information and its impact on decision making	2	+	+	1	++	+	П				1		++	1		+	\uparrow	1		+		Ħ		+	+	Ħ	+	+	Η	Г
5	murmation			-+	+	+	++	+	+	_			-	\square	++	+-	\square	+	Щ	+	\square	++		Н	_	+	+	\dashv	\rightarrow	╇	\dashv	⊢
	Comp 2 - A6 Sectors that	Sectors that use data modelling - types of sectots, data modelling decision making	2			1			11						11			1	11	1		11		11	I			11	. 1			1
e	une under modelling				_	1	\square	_	Ц						+				Щ			++		Щ		╇	⊥	Щ	\square	┶	\square	⊢'
	Comp 2 - A7 Threats to individuals	Threats to individuals - invasion of prvacy, fraud, targeting vulnerable groups of people	2			1			11						11			1	11	1		11		11	I			11	. 1			1
,		Comp 2 Arrigoment 1164				1	+	1																		-	+		-	+	\square	-
_		Long 2 Assgnittin 2 DA		_	_	_	++	_	_		_							-					_			_	+	\vdash	_	_	+	\vdash
5	Comp 2 - B1 Data processing methods	Data processing methods - manipulation & processing methods	6																													1 '
	Comp 2 - B2 Produce a	Produce a dashboard - data summaries, presentation methods, presentation				1	+	1																		-	+		-	+	\square	-
10	dashboard	features	0																													1 '
-	Comp 2 - C1 Drawing	Drawing conclusions based on the data - trends, patterns, anomalies. Errors, making	6																							-	-		_	-		
11	conclusions	recommendations	0		_			_	_		_		_			_		_		_			_			_	_	$ \rightarrow$	\rightarrow	_		\vdash
	presentation affects	How presentation affects understanding - information beinf misinterpreted, blased	6																													1
	understanding			_	_	-	+	-	-	_	_		_		-	_	_					-	_		_	_	+-	⊢	\rightarrow	_	$ \rightarrow$	\vdash
_		Comp 2 Assignment 2 LABC	12	_	_		+	-		_			_		_			_				-	_		_	_	_	⊢	_	_	—	⊢
12	Unit 2 - 01 Relational			_	_			_		_	_					_	_	_	_	_								-	_	_		—
	database management	Data structures, algebra sets, rekationahips, relational keys, integruty constraints, entity relationaships.	3																													1 '
	systems Unit 2 - A2 Manipulating							-	-	-	+		-			_		-		-							+	+	-+	+	+	H
	data structures and data in	Data structures, data types, queries, reports, security	9																													1 '
	relational databases	Anomalies, primary keys, foreign keys, composite keys, data dictionary, stages f						+	-	-	-	+ +	-			-		-		-			-				+	+ +	-+	+	-	H
3	Unit 2 -A3 Normalisation	normalistion	3																						t e		_			_		
	Unit 2 -B1 Relational	Database design: conceptual, logical and physical modeling and entity relationship modelling, relational algebra, user interface, prototyping, quality and	15																						ame							1 '
-	Unit 2 -82 Design	approprateness Requirements of the brief, data structure designs, user interface design, extracting		-		-		-		-			_			_		_		-			-		255.6	-	+-	⊢	+	+	+	⊢
5	documentation	and presenting data, test plans.		_							_							_		_		ams	ams		Ass	-	╇	$ \rightarrow $	\rightarrow	┶		\square
	Unit 2 -C1 Producing a	between data tables, applying data validation rules, generating outputs – user-																				xex	xex		5	2						1 '
	database solution	generated queries, automated queries, reports, user interface – navigation, data- entry forms, sub-forms, applying security measures to control access to data:																				00	loc k		ter							1 '
e	Unit 2 -C2 Testing and	passwords, user access levels. Different types of testing: referential integrity, functionality, security, Selection and		_		-	+ +	+	-	_	_									_		2	2	-	Ú.	<u> </u>	—	+	-+	_		⊢
,	refining the database	use of appropriate test data : erroneous data, extreme data. Using testing outcomes to improve and refine a database solution	9																						an.							1 '
	Unit 2 -D1 , D2, D3	D1 Database design evaluation, evaluation of database testing, and evaluation of	2	+	+	1	++	+	+	+	+	++	+		++	+				1	\vdash			H	ė	3	+	++	+	+	\vdash	\square
8	uatabase evaluation	the database	-	_	+	+	++	+	+	_	_	++	4-	\square	+	_	⊢∔-	+		-						-	+	⊢∔	\rightarrow	╇	Щ	⊢'
5		Exam practice	18										1															ГI			ΓI	Ľ
	Link 3 - West in	Understand what social media in Name Crowist media sheet and to be trained						1	T		T		1		\mathbf{T}^{\dagger}	1		1		T							Т	ГŤ	T	Т	П	Г
	social media?	ways to promote products and services through social media.	6										1		11			1		1								11	, I			1
10	100.0		<u> </u>					+												+				\vdash		-	+	++	+	+	\vdash	⊢
	omt 3 - Heatures, structure and target	Research features of social media sites, identify the structure of different sites, identify the target audience for each social media site	6																					11				11	. 1			1
11	audience				4																						+	\vdash	4	╇	\vdash	\vdash
	to support business	Use of social media to advertise, Web and mobile device integration, Audience profiling, Business aims and objectives.	6			1							1		11			1		1								11				1
12	anns and needs	Rack of notential social media ports for the huriness interaction of the	<u> </u>	+	+	+	++	F	F			H	+	\vdash	+	+	\vdash	+	\vdash	+-	\vdash			H		-	+	++	+	+	\vdash	Н
13	with target audience	questionnaire feedback	6			1			11																			11	, I			1
	Unit 3 - Developing	Selectine appropriate media, identify how well hurinesses can use their modia link	6		1	Т	\Box	1	T						\square	1		1		T							T	П	T	1	П	Г
14	contacts	 A specific second statistic row was obtained to be their media life. 	~	-+	+	+	++	+	+		_	+					\square	+	Щ	+	\square			H		-	+	\dashv	\rightarrow	╇	\dashv	⊢
	Unit 3 - Risks and issues	Identify real life disasters that have happened for business who use social media,	6			1			11																			11	, I			1
15		why once process nave occurred, How these process could have been avoided.			_	1	++	4	1		_	\square	4						Щ	_	ЦL						4	Щ	\rightarrow	┶	\square	⊢'
	Unit 3 - Business	How small businesses can promote itself, Why social media does not suit all				1			11				1		11				11	1				11				11	. 1			1
	requirements	ousinesses, The main purpose why businesses use social media-target audience, Which social media websites are most suitable for a small business.	6			1			11				1		11				11	1				11				11	. 1			1
16		<u> </u>		+	+	+	++	+	+	+	+-	++	+		++	+					\vdash					-	+	++	+	+	\vdash	\vdash
	1983 B. 1	What information should be posted on social media? Surveys/questioning/ respond				1			11				1		11			1						11				11	. 1			1
	unit 3 - Developing an online community	website. Guidelines for content/confidentiality/security. Separating company and	6			1			11																			11	, I			1
37		personal content, Legal/ethical implications.				1							1		11			1										11	, I			1
18		Unit 3 - Final asssignment	30		1	L		1																		ي ا	هغ	نصغ	-	ي في ا	_	
				T																								, 1			, T	
	Unit 1 - A1 Digital devices,	Multifunctional devices, the function and use of digital devices	. 1			1	ΙT	1		Γ		ΙT	1				ΙĪ	1	ΙT	1		ΙT		1	Γ		1	ΙŤ	Γ	1	ΙĪ	17
1	the state of the s		5			1	++	+	+	+	+	++	+			-	\vdash	+	+	+	\vdash	+		+	+	+	+	⊢∔	+	+	\vdash	\vdash
,	unit 1 - AZ Peripheral devices and media	renpneral devices used with other digital devices to form part of an IT system. Characteristics and implications of storage media used to form part of an IT system.	5						11													11		11	I			11	, I			1
		Types of operating system. The role of the operating system in managing. Factors	-	+		1		+	+	+	+	++	+				\vdash	1	\vdash	+	\vdash			\mathbf{h}	+	+	+	+	+	+	\vdash	Н
	Unit 1 - A3 Computer software in an IT curter	affecting the choice and use of user interfaces. Utility software. Application software. The implications on IT systems. Individuals and recarications of the use							11				1					1	11	1		11		11	I			11	. 1			1
3	and the second second second	and selection of file types and formats.	5																												Ľ١	L
Ξ,	Unit 1 - A4 Emerging technologies	The concepts and implications of how emerging technologies affect the performance of IT systems.	5	T	T	Τ				T	T	\square	T					T		T					T	Т	T		T	Т	\square	1
	Unit 1 - A5 Choosing IT	Factors affecting the choice of distribution bology	-	+	+	1		+	+	+	+	++	+				\vdash	1	Ħ	1	\vdash	++		$^{+1}$	+	+	+	++	+	+	\vdash	F
5	systems	Wireless and wired methods of connection devices and the second s	5	_	+	+	+		+	_	_	++	_				⊢∔-	_	\vdash	+-	\square	++	_	1	_	+	4	⊢∔	\rightarrow	╇	Щ	–
e	unit 1 - B1 Connectivity	between IT systems.	5		4	1	++					\square	4						Ш	_	ЦL	++				╇	╇	Щ	$ \perp$	┶	Ц	⊢'
	Unit 1 - B2 Networks	The features, use and purpose of different networks. How the features of a network and its component parts affect the performance of a TT	l T	1		1	11	1		ſ		[1				[1	[1		11		[ľ	1	1	ΙÍ	, T	1	I I	1
7		Protocols used to govern and control data transmission for rommon tacks. Security	5	+	+	+	++	+	F			++	+			-	\vdash	+	\vdash	+	\vdash	++		+ +	+	+	+	⊢∔	+	+	\vdash	⊢
	unit 1 - B3 Issues relating to transmission of data	issues and considerations when transmitting data over different connection types and networks.	ç			1			11				1	ç	S	xar		1		1		11			I			11	, I			1
-		The personal and professional uses and applications of cloud storage. The impact		+	+	+	++	+	+		-	++	+	isio	risio	g	\vdash	+	+	+	\vdash	+		+	+	+	+	+	+	+	\vdash	Н
-	Unit 1 - C1 Online systems	and implications on individuals of using cloud storage and computing. Factors affecting the use and selection of online systems.	3			1			11					Rev	Rev	err						11		11	I			11	, I			1
	Unit 1 - C2 Online	Ways of communicating and interacting with online communities. The implications		1	+	T	++	1	П			\dagger	1			×	\square	1	\square	1		11		П	+	+	1	ГŤ	Ħ	+	П	
10	communities	The characteristics of threats to data. The impact of threats to data. Information	2	+	+	+	++	+	+	_		++	+			-	\vdash	+	\vdash	+	\vdash	++		+ +	+	+	+	⊢∔	+	+	\vdash	⊢
	and a second stream in the data	and our terms on individuals. The impact of threats to data, information and our terms		1	1	1	1 1	1	1			1	1					1		1	1 1	11		1				. 1		1	1	1 '
11	information and systems	on organisations.	3																												1 1	

12	Unit 1 - D2 Protecting data	The features, characteristics and implications of using antivirus software to protect data. The role of current legislation in protecting data and IT systems from attack and misuse.	2															Τ	
13	Unit 1 - E1 Online services	The features and implications of using online services. The uses, impact and implications for individuals and organisations.	5																
14	Unit 1 - E2 Impact on organisations	The features and implications of IT systems used by organisations. The impact and implications for organisations of IT systems.	3																
15	Unit 1 - E3 Using and manipulating data	The characteristics and implications of user interfaces for data collection and processing systems	2																
16	Unit 1 - F1 Moral and ethical issues	The moral and ethical factors of the use of information technology. The purpose and role of codes of practice produced by professional bodies for the use of IT systems	3																
17	Unit 1 - F2 Legal issues	The role of current legislation (and subsequent additions and amendments) in protecting users and their data from attack and misuse.	2																
	Unit 6 - A1 Purpose and principles of website products	Purpose and principles of website products, Media and objects, Creativity and innovation, Search engine optimisation	15																
	Unit 6 - A2 Factors affecting website performance	Where scripts run (on the web server – server-side scripts, or the local client machine – client-side scripts) Browser compliance, e.g. which elements are supported by different browsers.	15																
	Unit 6 - B1 Website design	Problem definition statement requirements: intended audience, full summary of the problem to be solved, constraints, benefits, nature of interactivity, complexity	2												lit 6				\square
	Unit 6 - 82 Common tools and techniques used to produce websites	HTML, tables, forms, navigation, interactive components colour schmemes, CSS	2												nent UI				
	Unit 6 - C1 Client-side scripting languages	Embedding of original client-side scripts into web pages to provide more interactivity and improve the usability of the website.	2												signr				
	Unit 6 - C2 Website development	Use of original client-side scripting, the uploading of files to a web server or host computer/device.	8												II As:				\square
	Unit 6 - C3 Website review	Quality in comparison with other similar websites, suitability for intended purpose and audiencestrengths and improvements.	2												Fina				
	Unit 6 - C4 Website optimisation	Performance and user testing, obtaining and evaluating feedback from others, refinements and making improvements to meet client needs to optimise the website.	2																
	Unit 6 - CS Skills, knowledge and behaviours	Planning and recording, including the setting of relevant targets with timescales, how and when feedback from others will be gathered.	2																