COURSE NAME / CODE			BTEC National Subsidiary / Diploma / Extended Diploma in IT
UNIT(s) No / Name			Unit 3: Information system
LEVEL	3	Assignment No & Title	Assignment 2: Management information system

LECTURER/ASSESSOR		Gargi Gupta/Emmanuel Oladipo	
ISSUE DATE	27.04.16	DEADLINE DATE	13.05.16
SUBMISSION DATE			
RESUBMISSION AUTHORISATION BY LEAD INTERNAL VERIFIER*		AUTHORISATION DATE (BY IV)	
RESUBMISSION DATE**			

*All resubmissions must be authorised by the **Lead Internal Verifier**. Only **one** resubmission is possible per assignment, providing:
- The learner has met the initial deadlines set in the assignment, or ha met an agreed deadline extension
- The tutor considers that the learner will be able to provide improved evidence without further guidance
- Evidence submitted for assessment has been authenticated and accompanied by a signed and dated declaration of authenticity by the learner

Any resubmission evidence **must be submitted within 10 working days of receipt of assessment

Student declaration

I declare that this assignment is all my own work and the sources of information and material I have used (including the internet) have been fully identified and properly acknowledged as required.

STUDENT NAME	SIGNATURE

ASSESSMENT DETAILS & GRADING CRITERIA

(NB: Columns 1 &2 of the table below will be completed once the assignment has been submitted) Please note that criteria & evidence should be aimed to give the learner the maximum grade available within their qualification (i.e. A, Pass, Distinction)

Learning Aims Covered	
LO3	Know the features and functions of information systems
LO4	Be able to use IT tools to produce management information

GRADING CRITERIA FOR TASK		EVIDENCE	EVIDENCE SEEN		Page No#	CRITERIA MET			
			Y	N		Y	I	N	IV
P4	Describe the features and functions of information systems	Task 1: Report							
P5	Identify the information systems used in a specified organisation	Task 1: Report							
P6	Select information to support a business decision-making process	Task 1:Report							
P7	Use IT tools to produce management information	Task 2:Presentation/ detailed report							
M3	Generate valid, accurate and useful information	Task 2: Report with evidence							
D2	Justify the information selected to support a business decision-making process	Task 1: Report							

KEY: Y = Yes, I = Incomplete, N = No

BREAKDOWN OF HOW GRADES WILL BE AWARDED:

(NB: Please tick as appropriate)

TYPE OF QUALIFICATION	TICK	DESCRIPTION

BTECS / WORKSKILLS	√	Pass / Merit / Distinction / Fail
A LEVELS / A2		A-U

Internal Verification of Assignment Brief

IV Full Name		Signed		Date:	
LIV Full Name		Signed		Date:	

BTEC SAMPLE MATERIAL
LEARNER CONSENT DECLARATION

Centre No & Name	51330 – UTC Reading	
Subject & Level	BTEC National Subsidiary / Diploma / Extended Diploma in IT	3
Unit No & Title	Unit 3: information System	
Learner No & Name		

I agree to the learner work identified above, after having been made anonymous, being used to support any of the following activities, which may involve the display of work online through the BTEC website or through publications:

- Professional Development and Training
- Centre Assessment Example Material
- Standardisation Support
- Publication Materials

Assessor Signature	
Name (block capitals please)	Gargi Gupta
Job Title	Lecturer in IT
Date:	

Learner Signature	
Name (block capitals please)	
Parent/Guardian consent if under 16 years of age	
Date:	

Please ensure that this sheet is completed on submission of your assignment.

Please note that your assignment **MUST** have the following (unless otherwise stated):

1. Cover page
2. Table of Contents
3. Introduction
4. Conclusion
5. Bibliography & References

Scenario

TelX's integration with CompanyA was very successful and as a result you have just been promoted to Head of Cyber Security. As head of the Cyber Security department you would like to produce regular reporting on your company's customer base, cyber threats/risks across the business and financial reporting/tracking. You've engaged with your technician to address your requirements and ensure the reporting can be produced in a repeatable, efficient and consistent format. A great deal of software was installed on your computers and it is vital that the use of information is clearly understood to ensure we do not break any laws, otherwise we could face fines.

There has been a security breach in your competitors' organisation, where hackers broke into their customer billing database using an SQL Trojan attack, which inserted code into the database via the browser page every four days, placing data into a zip file and sending it back through an FTP. Your competitors never encrypted users' personal information, hackers gained access to names, accounts numbers, and verification codes to more than 10 million card holders.

- As Head of Cyber-Security the CEO of TelX has asked you what risk is this to our business and how are we protected/ensure protection is in place.

TASK 1 Evidence you must produce for this task.

Create a report

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
Produce a proposal for your company's new information system, summarizing its current features and functions and then explain how you would implement your proposals.	3	P4
Identify and recommend information systems required for the IT firm to run effectively. Detail the use of your chosen system and why.	3	P5
Suggest how you would define what information is required to develop the required management information and outline what checks you would use to ensure accuracy.	3	P6
Justify the information selected, in P6, to support the business decision making process. Within this justification you should include the benefits to your company, using examples which clearly show improved efficiently and increased profit	3	D2

TASK 2 Evidence you must produce for this task.

Presentation or detailed report:

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
Produce a report or presentation to explain how your information and computer systems are protected from this attack, and if not what are your next steps as Head of Cyber Security and the funding you require to mitigate the risk. (see resources in section "source of information")	3	P7
Following on from P7 justify why your recommendation is valid, accurate and relevant i.e. fit for purpose.	3	M3

Sources of information	**Indicative reading for learners**
	Textbooks

1. Chaffey D – E-business and E-Commerce Management, Second Edition (FT Prentice Hall, 2003) ISBN-10 0273683780, ISBN-13 978-0273683780
2. Web links

Name	References
SOPHOS Security Threat Trends 2015	https://www.sophos.com/threat-center/medialibrary/PDFs/othe
IT Security Threats | Symantec	http://www.symantec.com/security_response/
Wikipedia	https://en.wikipedia.org/wiki/List_of_cyber_attack_threat_trend
RecordedFuture	https://www.recordedfuture.com/cyber-threat-landscape-basics/
Infoworld	http://www.infoworld.com/article/2616316/security/the-5-cyber
Wikipedia	https://en.wikipedia.org/wiki/Software_license
GNU.Org	http://www.gnu.org/licenses/license-list.html
Bricklin	http://www.bricklin.com/licensingthinking.htm
OMTCO	http://omtco.eu/references/licensing/
Webpedia	http://www.webopedia.com/TERM/S/software_licensing.html
Opensource.org	http://opensource.org/licenses
ITS.UNCG.edu	https://its.uncg.edu/Software/Licensing/
BSA	http://www.bsa.org/anti-piracy/tools-page/software-piracy-and-
ITLaw	http://itlaw.wikia.com/wiki/Software_license
EnterpriseITGuide	http://www.enterpriseitguide.com/legal/software-licensing-and-
ContractLaw	https://www.contactlaw.co.uk/software-licensing-laws.html
IfossLawBook	http://ifosslawbook.org/uk/
Gov.uk	https://www.gov.uk/data-protection/the-data-protection-act
ICO.ORG	https://ico.org.uk/for-organisations/guide-to-data-protection/
Wikipedia	https://en.wikipedia.org/wiki/Data_Protection_Act_1998
ASD.GOV.AU	http://www.asd.gov.au/infosec/top-mitigations/top-4-strategies-
MSDN.Microsoft	https://msdn.microsoft.com/en-us/library/windows/desktop/ms7
Mitre.Org	http://www.mitre.org/publications/systems-engineering-guide/a mitigation-planning-implementation-and-progress-monitoring
Cisco	http://www.cisco.com/web/about/security/intelligence/worm-m
Wikipedia	https://en.wikipedia.org/wiki/Encryption
HowStuffWorks	http://computer.howstuffworks.com/encryption.htm
Webpedia	http://www.webopedia.com/TERM/E/encryption.html
PcWorld	http://www.pcworld.com/article/130330/article.html
Zdnet	http://www.zdnet.com/article/eight-ways-to-improve-your-corpo
AirtightNetworks	http://www.airtightnetworks.com/fileadmin/pdf/whitepaper/Bes pdf
MSDN.Microsoft	https://msdn.microsoft.com/en-us/library/ff648651.aspx
Cisco	http://www.cisco.com/web/solutions/smb/need_to/five_ways_t

P4

- [ ] New MIS
- [ ] Summarised Current features
- [ ] Summarised current functions
- [ ] Student proposal
- [ ] How it would be implemented

P5

- [ ] report on information system used in IT firm
- [ ] recommended information system
- [ ] why you choose
- [ ] benefits of it

P6

- [ ] Report:
- [ ] what information is required
- [ ] ensure accuracy (gathering and analysing info)

P7

- [ ] Report/ presentation
- [ ] Management reports with evidence
- [ ] how information is protected from attacks
- [ ] How computers are protected from attacks
- [ ] how to mitigate risks

M3

- [ ] Report
- [ ] justify recommendation is
- [ ] valid
- [ ] accurate and
- [ ] relavant

D2

- [ ] Report
- [ ] Justify P6
- [ ] Benefits to company
- [ ] improved efficiency
- [ ] increased profit

SUMMATIVE ASSESSMENT RECORD SHEET

Programme	BTEC National Subsidiary / Diploma / Extended Diploma in IT	**Learner Name**		**Assessor Name**	Gargi Gupta
Unit No. & Title	Unit 3: Information system	**Target Learning Aims**	LO3, LO4	**Issue Date**	Click here to enter a date.
Assignment No & Title	Assignment 2: Management Information system			**Final Submission Date**	Click here to enter a date.

Target criteria	Criteria Achieved	Final Assessment Comments

Summative comments

Assessors declaration
I certify that the evidence submitted for this assignment is the student's own and the learner will be able to provide improved evidence without guidance. I understand that any false declaration is a form of malpractice.

Resubmission authorisation*		**Resubmission Date:**	Click here to enter a date.
* All resubmissions must be authorised. Only 1 resubmission is possible per assignment.			
Assessor Signature		**Date:**	
Learner comments			
Learner Signature		**Date:**	