|  |  |  |  |
| --- | --- | --- | --- |
| **COURSE NAME / CODE** | | | BTEC National Subsidiary / Diploma / Extended Diploma in IT |
| **UNIT(s) No / Name** | | | Unit 2 – Computer System |
| **LEVEL** | 3 | Assignment No & Title | 2.1 – Business case |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **LECTURER/ASSESSOR** | Gargi Gupta | | | | |
| **ISSUE DATE** | 29.01.16 | **DEADLINE DATE** | | 12.02.16 | |
| **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** | | |  | | |  | |  |
| LO1 | | Understand the components of computer systems | | | | | | | | | |
| L02 | | Be able to recommend computer systems for a business purpose | | | | | | | | | |
| **GRADING CRITERIA FOR TASK** | | | **EVIDENCE** | **EVIDENCE SEEN** | | **Page No#** | **CRITERIA MET** | | | | |
| **Y** | **N** | **Y** | | **I** | **N** | **IV** |
| P1 | Explain the function of computer hardware components | | Task 1: Diagram with explanation |  |  |  |  | |  |  |  |
| P2 | Explain the purpose of operating systems | | Task 2: Report |  |  |  |  | |  |  |  |
| P3 | Explain the purpose of different software utilities | | Task 3: Report |  |  |  |  | |  |  |  |
| P4 | Recommend a computer system for a given business purpose | | Task 4:Report |  |  |  |  | |  |  |  |
| M1 | Compare the features and functions of different operating systems | | Task 2: Report |  |  |  |  | |  |  |  |
| M2 | Justify choice of computer system to meet a given business purpose | | Task 4:Report |  |  |  |  | |  |  |  |
| D1 | Explain how software utilities can improve the performance of computer systems | | Task 3: 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 02 – Computer 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** | GGupta |
| **Name** (block capitals please) | Gargi Gupta |
| **Job Title** | Teacher 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**

A large Telecommunication (Telco) company TelXGroup is formed of various Telco and fixed line organisations which all comply with the same standards. Recently TelXGroup acquired CompanyA resulting in a significant company merger. CompanyA has previously been using their own internal systems, however these can no longer be of use within TelXGroups infrastructure. In order to integrate CompanyA, a system upgrade is therefore required to comply with TelXGroup’s policies and cope with the increased load of the additional users.

You are tasked with improving the computer equipment at the TelXGroup HQ to cater for the recent acquisition. They currently have 1200 people, but now increased to over 2000 users and all have their own preferences and needs, you must accommodate them to the best of your ability.

What you must do first is upgrade some of the older desktops. When doing this you need to log what you are upgrading and what parts you are replacing this will include backup solutions also while doing this you should document the components for finance.

As each employee prefers their own operating system you should install multiple variations of operating systems and configure them to a usable level such as having office and antivirus installed. Some users will have specific needs and you should accommodate them, sometimes they may not know what exactly they want is and you should recommend solutions to them.

Before you will start actual installation they want to assure that you have in-depth knowledge of computer hardware and operating systems.

**TASK 1 Evidence you must produce for this task.**

Explain the function of computer hardware components

.

|  |  |  |
| --- | --- | --- |
| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Create diagrams showing all the components of a computer and how they connect to a motherboard | 02 | P1 |
| Annotate the diagrams with an explanation of what each component does | 02 | P1 |

**TASK 2 Evidence you must produce for this task.**

You have to install multiple variations of operating systems, but before you actually install it write a report on following:

|  |  |  |
| --- | --- | --- |
| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Explain what an operating system is include technical information such as what services and functions are provided by the OS, what features they have and what device drivers are and why they are important. | 02 | P2 |
| Due to large variety of operating system in the market, write another report to compare the features and functions of two different operating systems that would be suitable for individual needs. | 02 | M1 |

**TASK 3 Evidence you must produce for this task.**

You are feeling overwhelmed choosing options for the work stations, and is confused by the different facilities that are available to you.

|  |  |  |
| --- | --- | --- |
| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| You need to explain the purpose of different software utilities by giving at least on example from each category of software utilities. Refer to security tools, clean up tools, and drive formatting | 02 | P3 |
| Consider the benefits of computer performance created by using software utilities. You should give reasons for possible improvements from using a specific utility | 02 | D1 |

**Task 4 Evidence you must produce for this task.**

Finally you have to provide a recommendation for computer system that meets their requirements. Remember you have to think about the upgrade from 1200 people to 2000 people

|  |  |  |
| --- | --- | --- |
| **To achieve the criteria you must show that you are able to:** | **Unit** | **Criterion Reference** |
| Go on to outline the hardware and software you would need to purchase (including cost) for this environment | 02 | P4 |
| Write a report to justify your choice of computer system to meet the specification. Use the list you created in P4 to structure your response. | 02 | M2 |

|  |  |
| --- | --- |
| 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. Malmsten E, Leander K, Portanger E and Drazin C – Boo Hoo: A Dot.com Story (Random House Business Books, 2002) ISBN-10 0099418371, ISBN-13 978-0099418375 Vise D –   The Google Story (Pan, 2008) ISBN-10 0330508121, ISBN-13 978-0330508124  **Websites**  www.ico.gov.uk International Commissioner’s Office  www.w3.org  World Wide Web Consortium |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SUMMATIVE ASSESSMENT RECORD SHEET** | | | | | | |
| **Programme** | BTEC National Subsidiary / Diploma / Extended Diploma in IT | | **Learner Name** |  | **Assessor Name** |  |
| **Unit No. & Title** | **2- computer systems** | | **Target Learning Aims** | **LO1,LO2** | **Issue Date** | 29 January 2016 |
| **Assignment No & Title** | **1 -** Business case | | | | **Final Submission Date** | 12 February 2016 |
| **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:** | 27 April 2016 |
| **Learner comments** |  | | |
| **Learner Signature** |  | **Date:** |  |