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|---------------------------|---|---|----------|
| 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: Build |

| | | | |
|---|-------------|-----------------------------------|----------|
| LECTURER/ASSESSOR | Gargi Gupta | | |
| ISSUE DATE | 23.02.16 | DEADLINE DATE | 11.03.16 |
| 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 has 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)

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 | | | | | | | | | |
|---------------------------|--|--|---------------|---|----------|--------------|---|---|----|
| L03 | | Be able to set up and maintain computer system | | | | | | | |
| GRADING CRITERIA FOR TASK | | EVIDENCE | EVIDENCE SEEN | | Page No# | CRITERIA MET | | | |
| | | | Y | N | | Y | I | N | IV |
| P5 | Set up a standalone computer system, installing hardware and software components | Task 1: witness statement/video/screenshot | | | | | | | |
| P6 | Configure a computer system to meet user needs | Task 1: witness statement/video/screenshot | | | | | | | |
| P7 | Test a configured computer system for functionality | Task 1: Teat plan with screenshots | | | | | | | |
| P8 | Undertake routine maintenance tasks on a standalone computer system. | Task 1: Report with screenshots | | | | | | | |
| M3 | Evaluate the performance of a computer system. | Task 2: Report | | | | | | | |
| D2 | Explain and justify improvements that could be made to a computer system | Task 2: Report | | | | | | | |

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

BREAKDOWN OF HOW GRADES WILL BE AWARDED:

(NB: Please tick as appropriate)

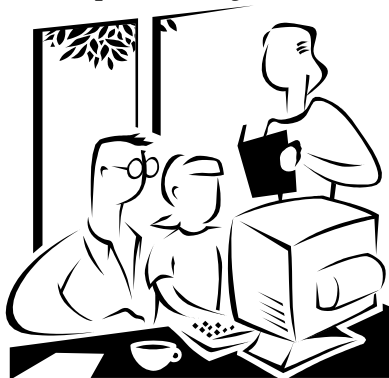
| TYPE OF QUALIFICATION | TICK | DESCRIPTION |
|-----------------------|------|-----------------------------------|
| BTECS / WORKSKILLS | √ | Pass / Merit / Distinction / Fail |
| A LEVELS / A2 | | A-U |

Internal Verification of Assignment Brief

| | | | | | |
|---------------|--|------|--|-------|--|
| IV Full Name | | Sign | | Date: | |
| LIV Full Name | | Sign | | Date: | |

Unit: 02

Computer Systems



Assignment 1

Please note that your assignment **MUST** have the following:

1. Cover page
2. Contents page
3. Introduction
4. Conclusion
5. Bibliography

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 an 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.

You should also have a maintenance plan that can be used by others in the event you are away. This will include activities such as disk defrag, antivirus scans and so on.

As well as the above, things that must be considered;

- Security measures & risk level
- Performance
- Cost vs. Benefits and Return on Investment (ROI)
- Value
- Licensing

Task 1

Evidence you must produce for this task.

Practical work: you have to set up a computer system to meet the client's need.

Evidence: video/ screenshots

| To achieve the criteria you must show that you are able to: | Unit | Criterion Reference |
|---|------|---------------------|
| Install all hardware and the software provided. You must record your actions (using the buddy provided as a camera man) clearly describing your actions aloud and adhering to all health and safety measures expected. (witness statement and video/ screenshots as evidence) | 2 | P5 |
| You must configure some basic system settings, such as left and right mouse buttons, power saving options, screen resolution, desktop theme, font size, default language setting, and default folder locations. (witness statement and screenshots as evidence) | 2 | P6 |
| Create a test plan and subsequent test results (with screenshots). Any test failures should be explained, with reasons. | 2 | P7 |
| You need to perform routine maintenance tasks on the training computer system. (Report with screenshots) | 2 | P8 |

Task 2

Evidence you must produce for this task.

Create reports on

| To achieve the criteria you must show that you are able to: | Unit | Criterion Reference |
|---|------|---------------------|
| Report 1: As an extension of P6 and P7, you should gauge system performance in your tests and evaluate the data. | 2 | M3 |
| Report 2: You should offer suggestions on how the system could be improved, considering costs involved and the potential benefits gained. | 30 | D2 |

P5

☐

- ☐ install atleast one hardware
- ☐ install stleast one software
- ☐ safety equipment / tool

P6

☐

- ☐ basic system settings with screenshots
- ☐ left and right mouse buttons
- ☐ power saving options
- ☐ screen resolution
- ☐ desktop theme
- ☐ font size
- ☐ default language settings

P7

☐

- ☐ Test plan
- ☐ screenshots /pictures where needed

P8

☐

- ☐ Choose atleast one hardware and one software side:
- ☐ back-up procedure e.g. online,offline
- ☐ back-up media
- ☐ archiving
- ☐ automatic scheduling and deleting of unwanted data
- ☐ defragmentation
- ☐ cleaning hardware e.g mouse, keyboard,ventilation grills etc
- ☐ replacing consumable eg. printer paper,ink or toner cartridges
- ☐ organisation and naming of files

M3

☐

- ☐ Report
- ☐ Example

D2

☐

- ☐ legal implication of using and editing image
- ☐ copyright law
- ☐ where you can get images for free