Institute of Technology

Learner Name	
Course	Pearson BTEC Higher National Certificate in Computing
Awarding Body	BTEC (Pearson)
Module Name(s)	Unit 6 – Managing a Successful Computing Project
Assignment Title & Number	Project
Assessor's Name	Dan Purdy
Hand out Date	21st January 2020
Hand in Date	19th May 2020
Feedback Date	+ 3 weeks from Hand-in Date

Assessment Brief IQA by: (Name & Signature)		Assessment Brief sample by Lead IQA: (Name & Signature)	
Date:		**Date**	

Specific outcomes and criteria being assessed		
Module	**Grading Criteria**	**Description**
6	P1 (LO1)	Devise project aims and objectives for a chosen scenario.
6	P2 (LO1)	Produce a project management plan that covers aspects of cost, scope, time, quality, communication, risk and resources.
6	P3 (LO1)	Produce a work breakdown structure and a Gantt Chart to provide

timeframes and stages for completion. |
| 6 | P4 (LO2) | Carry out small-scale research by applying qualitative and quantitative research methods appropriate for meeting project aims and objectives. |
| 6 | P5 (LO3) | Analyse research and data using appropriate tools and |

		techniques.
6	P6 (LO3)	Communicate appropriate recommendations as a result of research and data analysis to draw valid and meaningful conclusions.
6	P7 (LO4)	Reflect on the value of undertaking the research to meet stated objectives and own learning and performance.
6	M1 (LO1)	Produce a comprehensive project management plan, milestone schedule and project schedule for monitoring and completing the aims and objectives of the project.
6	M2 (LO2)	Evaluate the accuracy and reliability of different research methods applied.
6	M3 (LO3)	Evaluate the selection of appropriate tools and techniques for accuracy and authenticity to support and justify recommendations.
6	M4 (LO4)	Evaluate the value of the project management process and use of quality research to meet stated objectives and support own learning and performance.
6	D1 (LO1&2)	Critically evaluate the project management process and appropriate research methodologies applied.
6	D2 (LO3)	Critically evaluate the research and data analysis tools used in the project development stages.
6	D3 (LO4)	Critically evaluate how the project supports sustainable organisational performance.

English, maths and other Skills for Success covered in this assignment	English • Self-reflection • Article/blog writing • Self-evaluations • Presentation – speaking and listening • Written report writing	Maths ---	Skills for Success • Knowledge and understanding • Team and organisational working • Performance • Adaptation to context • Ethical awareness and application • Personal evaluation and development • Conceptualisation and critical thinking
Learner submission sampled by IQA: (Name and signature)		Learner submission sampled by Lead IQA: (Name and signature)	
Date		Date	

COPYING DISCLAIMER

I confirm that all the work contained in this assignment, being presented for assessment, is my own work.

I also confirm that I have not copied this work from other people's papers, electronically from their disk, from textbooks, CD ROM or from the Internet.

I also understand that if I hand in an assignment that has work in it that has been copied, this will be subject to disciplinary action and may cause me to lose my place on the course.

Student Signature:		Date:	

Assessor declaration	I certify that the evidence submitted for this assignment is the learner's own. The learner has clearly referenced any sources used in the work. I understand that false declaration is a form of malpractice.		
Assessor signature	Dan Purdy	**Date**	
Date of feedback to learner			
Resubmission authorisation by Lead Internal Quality Assurer*		**Date**	

* All resubmissions must be authorised by the Lead Internal Verifier. Only one resubmission is possible per assignment, providing:

- The learner has met 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 results of assessment.

Vocational Scenario

You are a BTEC Higher National student. You have been set a project which will help your education institution in providing support on digital wellbeing.

The project title is: *"Do digital technologies improve life or distract from it? The efficacy of products and features specifically designed to improve health and wellbeing"*.

You will produce a written project research report. You will summarise the findings in a poster presentation.

Task 1	Grading Criteria Covered: P1, P2, P3, M1
Evidence Required	• Project Proposal Document • Project Management Plan • GANTT Chart

Your first task is to devise the aims and objectives for your project. This needs to explain the purpose of the project, the objectives, and the scope (what will be within the boundaries of this project?).

You will then need to produce a project management plan that includes:
- Scope
- Cost
- Quality
- Communication
- Risk
- Resources
- A Milestone Schedule (what are the key deliverables? When will you meet these by?)
- A Project Schedule

Finally, you will need to produce a work breakdown structure and a GANTT Chart. This will provide timeframes, milestones, etc.

Task 2	Grading Criteria Covered: P4, M2

Evidence Required	• Research Evidence in the form of:
	   o A Literature Review (for secondary research)
	   o Research evidence (e.g. forms, quizzes, results, etc.)
	• Evaluation of research methods applied.

You will now need to conduct both the primary and secondary research for the project.

For your secondary research, you will need to conduct a literature review. This needs to use a range of sources (e.g. books, journals, websites,

published documents, etc.).

For your primary research, you will need to conduct a survey. Use Microsoft Forms for this. You MUST ensure your questions and your target audience meet research ethical guidelines.

Finally, produce a short report (this can be at the bottom of your research findings) that evaluates the accuracy and reliability of the different research methods you have applied earlier in the task.

Task 3	Grading Criteria Covered: D1
Evidence Required	• A critical evaluation report

Provide a critical evaluation of the project management process you have followed. Focus on the strengths and weaknesses, why these are strengths/ weaknesses, and any improvements that can be made.

You also need to critically evaluate the research methodologies you have applied. Focus on the strengths and weaknesses, why these are strengths/weaknesses, and any improvements that can be made.

Task 4	Grading Criteria Covered: P5, P6
Evidence Required	• Project Report Document • A3 Poster (for your presentation evening)

Present your project findings within a report. This should include:

- Introduction
- Literature Review
- Research Findings
- Analysis (of both Primary and Secondary requirements)
- Conclusion

You will then need to produce an A3 poster that summarises your project findings. You will present the summary of your findings to others at an open invitation evening.

Task 5	Grading Criteria Covered: M3, D2
Evidence Required	• A report

You will then need to produce a separate critical evaluation report that includes the following:

• An evaluation of your selected tools and techniques that you used. How

effective were they for providing an accurate and authentic result?
- An evaluation of the research and data analysis tools you have used in the project development stages. Were they effective or not? Why?

Task 6	Grading Criteria Covered: P7, M4, D3
Evidence Required	• Report

You will need to write a reflective and evaluative report that will need to include the following sections.

Section 1:

You need to reflect on the value of undertaking research. How did carrying out research help you meet the stated objectives? How did carrying out research also develop your own learning and performance?

Section 2:

As part of the project you have followed a project management process. Evaluate the use of a project management process. How did it help you meet the stated objectives? How did this support your own learning and performance?

You have also used quality research throughout the project. Evaluate the use of quality research, considering how it helped you meet the stated objectives, and how it supported your own learning and performance.

Section 3:

Provide a section on how your project and its outcome supports the sustainable organisation performance? Focus on the strengths and weaknesses, why these are strengths/weaknesses, and any improvements that can be made.

Sources of Information:

Costley, C., Elliot, G. and Gibbs, P. (2010) Doing Work Based Research: Approaches to
Enquiry for Insider-researchers. London: SAGE.

Dawson, C. (2016) Projects in Computing and Information Systems: A

Student's Guide.
UK: Pearson Education.

Flick, U. (2011) Introducing Research Methodology: A Beginner's Guide to Doing a Research
Project. London: SAGE.

Gray, D. (2009) Doing Research in the Real World. 2nd Ed. London: SAGE.

Guay, M., Schreiber, D. and Briones, S. (2016) The Ultimate Guide to Project

Management: Learn everything you need to successfully manage projects and get them
done. Free Kindle Edition. US: Zapier Inc.

Lock, D. (2013) Project Management 8th Edition. UK: Routledge.

Pinto, J.K. (2015) Project Management: Achieving Competitive Advantage 4th Ed. Pearson.

Websites

www.gov.uk/government/publications

Journals

- Google Scholar
- JStor