Introduction to Emerging Technologies

Awarding organisation: ATHE

Unit level: 3
Unit code: R/618/4177
GLH: 30
Credit value: 5
Unit grading structure: Pass/Merit/Distinction
Assessment guidance: In order to achieve this unit, learners must produce work which demonstrates achievement of the learning outcomes at the standards provided by the assessment criteria and the completion of assignments in accordance with awarding organisation guidance.

Unit aims

This unit aims to provide learners with the necessary knowledge and understanding in order to investigate emerging technologies that are available and those that could be available in the future. Learners will also develop essential academic and research skills and to be able to formally present academic research findings, written and orally.

Learning outcomes The learner will:	Assessment criteria The learner can: **Pass**	**Merit**	**Distinction**
1. Understand current and future emerging technologies in the digital world	1.1 Explain the benefits of using digital tools 1.2 Describe the evolution of: - social media - collaboration - project management - leadership and technology - digital technology	1 M1 Explain the benefits technology has had on a range of industries	1 D1 Analyse the importance of planning for future emerging technology for a business
2. Understand the use of artificial intelligence in society	2.1 Explain the term artificial intelligence 2.2 Explain how artificial intelligence is used 2.3 Describe how artificial intelligence has benefited society 2.4 Explain the concerns people have in relation to artificial intelligence 2.5 Explain how artificial intelligence could be used in the future	2 M1 Explain how to overcome concerns relating to artificial intelligence	2 D1 Evaluate the impact artificial intelligence has in personal and business activity, in today's society
3. Understand the implications of change in technology	3.1 Explain the need for change 3.2 Carry out a change impact analysis 3.3 Explain how change can affect people 3.4 Explain methods of implementing change 3.5 Explain the considerations to make when adapting emerging technologies		

BUSINESS AND MANAGEMENT
short courses

Learning outcomes The learner will:	Assessment criteria The learner can:		
	Pass	**Merit**	**Distinction**
4. Be able to research and present information on emerging technologies	4.1 Research new emerging technologies suitable for a range of industries 4.2 Plan and draft research to include written communication 4.3 Present findings of research in written format 4.4 Explain research approaches available to investigate emerging technology	4 M1 Use own self review to improve own work by implementing any findings	4 D1 Present academic work in a verbal presentation and discuss the content of own work
5. Understand the future of computing	5.1 Identify future technology developments 5.2 Explain methods of researching new developments to keep up to date with computing developments 5.3 Explain how to future proof computing systems		