

MODULE SPECIFICATION

FOR TAUGHT MODULES AT ALL LEVELS



Name of Module:	Work-based Dissertation			Module Code:	SPFWBDI
Parent School/Dept:	School of Computing				
Programme(s) where module is offered:	MSc Digital and Technology Solutions Specialist – Data Analytics Specialist				
Status:	Compulsory		Pre-Requisite Modules or Qualifications:	All	
FHEQ Level:	7	Unit Value:	15.00	Module Coordinator:	Dr Harin Sellaheewa
Terms Taught:	Summer, Autumn		Applicable From:	Summer 2019	

Educational Aims of the Module

This module is designed to demonstrate the apprentice investigating, identifying and implementing technological strategic solutions. They should be able to research organisation goals, strategies, and practices and produce a business strategy for implementing practices in data science. Under the guidance of the line manager and work place coach the apprentice must identify a relevant business related task and conduct a detailed research into the subject, develop a sound understanding on the organisation's objectives and present the finding in the form of a comprehensive dissertation and presentation.

Module Outline/Syllabus

The work involved include:

- Investigate, evaluate and plan the implementation of technology based business change programmes
- Collect reading materials
- If needed, conduct field study and meet relevant stakeholders
- Evaluate the significance of human factors to leadership in the effective implementation and management of technology enabled business processes relating to data science
- Set objectives, priorities and responsibilities with others for data science strategies
- Organise the dissertation structure and develop a consistent and sound line of argument
- Write the dissertation content
- Develop and deliver management level presentations which resonate with senior stakeholders

Student Engagement Hours

<i>Term</i>	<i>Type</i>	<i>Number per term</i>	<i>Duration of each</i>	<i>Total Time</i>
1	Tutorial	20	0h 30m	10h 0m
Total Guided/Independent Learning Hours:				140h 0m
Total Contact Hours:				10h 0m
Total Engagement Hours:				150h 0m

Assessment Method Summary

<i>Type</i>	<i>Number Required</i>	<i>Duration</i>	<i>Weighting</i>	<i>Timing / Submission Deadline</i>
Presentation + Viva	1	45mins	40%	End of Term
Dissertation	1	4000 words	60%	End of Term

Module Outcomes		
<u>Knowledge and Understanding</u> At the end of the module, apprentice should be able to gain: 1. Knowledge and understanding of an organisation's goals, strategies, practices and key stakeholders specific to a particular business task 2. Broad understanding of the business task's domain 3. Appreciate the importance of the business task and its key stakeholders to the planning and implementation of data science in practice 4. In-depth knowledge and understanding of technological strategic solutions underpinned by data science 5. Systematic presentation of the knowledge and understanding gained through the research	>	<u>Teaching/Learning Strategy</u> All ILOs are achieved through self-guided continuous learning and reflection. Apprentices will hold regular supervision meetings with their line manager to report the progress on the research work and discuss outstanding issues in relation to the work in progress.
	>	<u>Assessment Strategy</u> The achievements of the ILOs are assessed through the final dissertation and viva. The dissertation should reflect on each of the ILOs. • Dissertation • Viva assessment Note: viva is to confirm or modify the provisional marks award to the dissertation by the two markers.
<u>Cognitive (thinking) Skills</u>	>	<u>Teaching/Learning Strategy</u>
	>	<u>Assessment Strategy</u>
<u>Transferable/Practical Skills and other attributes</u> At the end of the module, the apprentice should be able to gain the following skills: 1. Information gathering skills 2. Critical evaluation and critical thinking skills 3. Information filtering skills 4. Communication skills 5. Time management skills 6. Self-guided learning skills.	>	<u>Teaching/Learning Strategy</u> All the skills are mainly obtained through self-guided learning and reflection upon practical works done throughout the programme. Apprentices will hold regular supervision meetings with their line manager to report the progress on the research work and discuss outstanding issues in relation to the work in progress.
	>	<u>Assessment Strategy</u> All transferable skills are assessed through the portfolio, and any related documents produced. • Dissertation • Oral Presentation • Viva assessment

Key Texts and/or other learning materials

RESEARCH PAPERS

Please note: This specification provides a concise summary of the main features of the module and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each module and programme can be found in the departmental or programme handbook. The accuracy of the information contained in this document is reviewed annually by the University of Buckingham and may be checked by the Quality Assurance Agency.

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