

STAGE 2

Module	Business Information Systems
Course code	BABSH-BIS
Credits	5
Allocation of marks	30% Continuous Assessment
	70% Final Examination

Intended Module Learning Outcomes

On successful completion of this module, the learner will be able to:

1. Apply appropriate features of MS Excel, MS Access and MS Project in order to solve business problems at operational or strategic level
2. Display a critical awareness of best practice in relation to business information systems development projects
3. Differentiate between business information systems used at different levels of the business organisation
4. Assess the strategic significance of business information systems and appreciate best practice in business information systems service management
5. Classify the various options available to a business when acquiring a new business information system

Module Objectives

This module is designed to progress learners' IT skills to a level where they are confident in their ability to use advanced tools to aid decision making as needed by managers. It also seeks to engender an appreciation of the importance of business information systems in the day to day workplace.

Module Curriculum

BIS Introduction

- What are BIS
- Role of BIS in the Organisation
- Types and Hierarchy of BIS

BIS Applications

- MS Excel as a BIS – Financial formulae, goal seeking, scenarios, what if analysis, charting, pivot tables and solver
- MS Access as a BIS – Tables, Forms, reports and queries, links to excel
- MS Project as a BIS – Gantt charts, critical paths, managing a BIS project

BIS Strategy

- Data
- Data Analytics
- Big Data

BIS Management

- Planning: Gantt Charts & Critical Tasks and Critical Path
- Work breakdown structures and Network diagrams
- Management: Key PMBOK knowledge management areas
- Methodologies: PRINCE 2 and Role of PMI

BIS Development/Acquisition

- Packaged Software versus Bespoke software
- End User Computing
- Open and closed source software options
- Systems Development Lifecycle (SDLC) - Waterfall, Agile/Scrum methodology
- Role of Cloud computing in BIS

BIS Service Management

- Procurement
- Outsourcing
- Business Continuity Plans & Risk Analysis

BIS Security and Ethics

- Security dimensions
- Security threats – most recent and damaging
- Security Solutions
- Ethical issues and their BIS significance