

Liverpool John Moores University

Title: Applications and VB for E-Business

Status: Definitive

Code: **5605TECYPC** (121719)

Version Start Date: 01-08-2021

Owning School/Faculty: Engineering

Teaching School/Faculty: YPC International College (Kolej Antarabangsa YPC)

Team	Leader
Karl Jones	Y

Academic Level:	FHEQ5	Credit Value:	20	Total Delivered Hours:	78
Total Learning Hours:	200	Private Study:	122		

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	36
Practical	24
Tutorial	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	Group Project: Presentation (30 mins)	100	

Aims

To promote group activity using IT as an integrating function between internal company operations. This requires the use of back-office applications.

To introduce the main principles and techniques of application integration, mapping and processing of data through a simulated business process.

To develop students practical programming capability to build windows based applications and generate effective user and technical documentation.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate understanding of practical knowledge in area such as data processing within typical software application.
- 2 Show how applications and web-sites are linked through the client interface to a server, produce a design specification to tackle a business problem
- 3 Use commercial software to create internet sites, and Visual Basic.net for intranet sites and Windows programming
- 4 Develop a commercial Windows application together with technical document.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Group Project	1	2	3	4
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Outline Syllabus

Use of web-site and application builder to develop an on-line application.

Use of databases and e-commerce applications.

Integration and transfer of captured order data to Financial / Spreadsheet applications, report view, planning and scheduling systems.

The Visual Basic Environment. Visual Basic statements, assigning properties, variable types. VB & forms

Communicating with other Windows applications

Development of application using appropriate tools such as Visual Studio.

Learning Activities

Lab-based lectures on the software development process.

Students will be encouraged to work within groups.

Provision of reading material and exercise for students to attempt in their own time.

Notes

The module provides the student with a practical problem in a group learning environment. To complete the assessment tasks satisfactorily, students will need to participate in the group work activities of the module.