Northern Technical University
Institute of Management - Nineveh
Department of Computer Systems Technologies

MODULE DESCRIPTION FORM

Module Information معلومات المادة الدراسية					
Module Title	**Visual programming language V.B. NET**			**Module Delivery**	
Module Type	**Core**			☒ **Theory** ☐ **Lecture** ☐ **Lab** ☐ **Tutorial** ☒ **Practical** ☐ **Seminar**	
Module Code	**CST204**				
ECTS Credits					
SWL (hr/sem)	**44**				
Module Level	٢		**Semester of Delivery**	1	
Administering Department			**College**	Computer Systems Department	
Module Leader	Ammar abdul majed Gharbi		**e-mail**	ammarmajed@ntu.edu.iq	
Module Leader's Acad. Title	assistant teacher		**Module Leader's Qualification**	Master's degree in Computer Science	
Module Tutor			**e-mail**		
Peer Reviewer Name	programming using the visual basic language dr. abdul azeem mahmood		**e-mail**	E-mail	
Scientific Committee Approval Date	09/04/2024		**Version Number**	1.0	

Relation with other Modules العالقة مع المواد الدراسية ألخرى			
Prerequisite module	None	**Semester**	

Co-requisites module	None	**Semester**	

Module Aims, Learning Outcomes and Indicative Contents	
Module Aims	1. Introducing the student to the basics of visual vision. 2. Training students to build control windows using control statements. 3. Train students to build software applications using the user interface. 4. Training students on data management rules.
Module Learning Outcomes	Understand the principles of the visual programming model. Implementing and writing in VISAUL BASIC and overcoming typical implementation challenges through language libraries.
Indicative Contents	VISAUL BASIC language: How to obtain outputs from the program and inputs from the user, how to write conditional statements, nested conditional statements, and loops of all kinds. You will also learn data types in VISAUL BASIC and how to perform simple mathematical operations. We will also learn about some advanced skills such as how to create new functions.

Learning and Teaching Strategies	
Strategies	Intermediate level: making it ideal for performing systems programming. Simple: Simple in content, can be divided into parts, and provides many types of data. Independent: It can run on different operating systems regardless of its parts.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ أسبوعا			
Structured SWL (h/sem)	16	**Structured SWL (h/w)**	4
Unstructured SWL (h/sem)	-	**Unstructured SWL (h/w)**	
Total SWL (h/sem)	44		

Module Evaluation تَوْيِيم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	4	20% (20)		LO #1, 2, 5 and 6
	Assignments	2	20% (20)		LO # 2, 4, 5and 6
Summative assessment	**Midterm Exam**	2hr	10% (10)		LO # 1-8
	Final Exam	3hr	50% (50)		All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج ألسبوعي النظري	
	Material Covered
Week ١-٢	Integrated development environment, steps for writing your first program.
Week ٣-٥	Building Graphical User Interface
Week ٦-٧	Event Handling
Week ٨-٩	Constants and variables
Week ١٠- ١١	Control Statement
Week ١٢	Statement loops (for …. Next)
Week ١٣	Dialog boxes
Week ١٤- ١٥	Connecting and using databases

Delivery Plan (Weekly Lab. Syllabus)

المنهاج الأسبوعي للمختبر

	Material Covered
	• Install VISAUL BASIC compiler. • Define main screen • Menus
	• Written simple VISAUL BASIC programs such print your name in the forms • How Execute this program
	• Written simple VISAUL BASIC program that used constant and variable.
	• Written simple VISAUL BASIC program that used data type by taken example including most data types
	• Written simple VISAUL BASIC program include most Expressions types , written different expressions forms
	Building Graphical User Interface • tools box (textbox,command,label..ets) • Properties of tool boxs
	Event Handling • Types of Event Handling • Program the Event Handling
	Control Statement • if…then • for…next • select …case • do ..while
	Dialog boxes • Inputbox • msgbox
	Connecting and using databases (data control)

Learning and Teaching Resources مصادر التعلم والتدريس		
		Available in the Library?
Required Texts	programming using the visual basic language dr. abdul azeem mahmood	NO
Recommended Texts		
Websites		

Grading Scheme مخطط الدرجات

Group	Grade		Marks (%)	Definition
Success Group (50 - 100)	**A** - Excellent		90 - 100	Outstanding Performance
	B - Very Good		80 - 89	Above average with some errors
	C - Good		70 - 79	Sound work with notable errors
	D - Satisfactory		60 - 69	Fair but with major shortcomings
	E - Sufficient		50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	**FX** – Fail		(45-49)	More work required but credit awarded
	F – Fail		(0-44)	Considerable amount of work required

Note: Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.