

Brochure

VB.NET - 19UAD2CA



FATIMA COLLEGE (AUTONOMOUS) Department of BCA

COURSE HIGHLIGHTS

- Exposure to GUI Development
- Interactive Theory classes
- Hands on Sessions
- Opportunity to develop Windows Applications

30 Hours.....
Hands on Practical
Course

VALUE ADDED COURSE ON “VB.NET”



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VALUE ADDED CERTIFICATE COURSE

All I Year UG students

PROGRAMME CODE	COURSE CODE	COURSE TITLE	CATEGORY	HRS	CREDITS
USCA	19UAD2CA	VB.NET	VALUE ADDED CERTIFICATE COURSE	30	-

Unit I INTRODUCTION TO VB.NET

[12 HRS]

NET Framework: Introduction, Common Language Runtime, Common Type System, Common , Language Specification, Base Class Library, .NET class library Intermediate language, Just inTime compilation, Garbage Collection, Application installation & Assemblies. VB.NET IDE: Start Page, Menu and Tool Bar, Toolbox, Solution Explorer, Properties Window, Task List and Output Window, Server Explorer.

Unit II VARIABLES AND STRINGS

[12 HRS]

Variables, Constants, Keywords, Data types, Operators, Decisions with if statement, Select Case statements, Loops, Arrays. Strings: Substring Method, Trim Method, Equals, Replace and Insert Methods, Split and Join Method, InStr Method.



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Unit III FUNCTIONS

[12 HRS]

An Introduction to Functions and Subs, Create your own Subs , Create a Function ,Class and Objects, Create Properties in your Classes, Error Handling, Working with Textbox, Buttons, Labels, Checkbox, Radio Buttons, List box, Combo Box, Picture Box, Menu, Events: The Click Event, The Key Down Event, The Form Load Event

Unit IV ADO.NET

[12 HRS]

ADO.NET: ADO.NET Data Namespaces, SqlConnection, SqlCommand, SqlDataAdapter, DataSet Class, Data View. ASP.NET: Introduction to ASP.NET Web Forms, Implementation of ASP.NET controls: Dropdown List, Textbox, Button, Checkbox, Radio Button.

Unit V WORKING WITH TEXT FILES

[12 HRS]

Introduction to Text File, Open Text File, Read Text File Line by Line, Write to Text File in VB .NET, Appending Text to File, Copy File, Move File, Delete File.

TEXT BOOK :

1. Blair Richard & Crosland Jonathan, Beginning VB.NET (2 Edition), WROX
2. Steven Holzner, Visual Basic NET 2003, Pearson Education
3. Shouish Chavan, Visual Basic NET, Pearson Education

REFERENCE BOOK:

Blair Richard & Crosland Jonathan Professional VB.NET, Willy

OER REERENCE :

<https://www.oercommons.org/authoring/12389-programming-in-visual-basic/view>



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COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT 1: INTRODUCTION TO VISUAL BASIC				
1.1	NET Framework: Introduction, Common Language Runtime, Common Type System, Common , Language Specification	2	Chalk & Talk	Black Board
1.2	Base Class Library, .NET class library Intermediate language, Just inTime compilation,	2	Chalk & Talk	LCD
1.3	VB.NET IDE: Start Page, Menu and Tool Bar	2	Lecture	PPT & White board
1.4	Toolbox, Solution Explorer, Properties Window	2	Lecture	PPT & White board
1.5	Message Boxes - Grid - Editing Tools	2	Lecture	Smart Board
1.6	Task List and Output Window, Server Explorer.	2	Chalk & Talk	Black Board



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UNIT 2: CONTROL STATEMENTS				
2.1	Variables, Constants, Keywords,	2	Chalk & Talk	Black Board
2.2	Data types, Operators,	2	Chalk & Talk	LCD
2.3	Decisions with if statement,	2	Lecture	Smart Board
2.4	Select Case statements, Loops, Arrays.	2	Lecture	PPT & White board
2.5	Strings: Substring Method, Trim Method, Equals, Replace and Insert Methods.	2	Lecture	Smart Board
2.6	Split and Join Method, InStr Method	2	Chalk & Talk	Black Board
UNIT -3 ARRAYS AND EVENT HANLDING				
3.1	An Introduction to Functions and Subs	2	Chalk & Talk	Black Board
3.2	Create your own Subs , Create a Function	2	Chalk & Talk	LCD



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3.3	Class and Objects, Create Properties in your Classes, Error Handling	1	Lecture	PPT & White board
3.4	Working with Textbox, Buttons, Labels, Checkbox	2	Lecture	Smart Board
3.5	Radio Buttons, List box, Combo Box, Picture Box, Menu,	1	Chalk & Talk	Black Board
3.6	Events: The Click Event	1	Lecture	PPT & White board
	The Key Down Event	2	Lecture	Smart Board
	The Form Load Event	1	Chalk & Talk	Black Board
UNIT -4 MENUS, FORMS AND GRAPHICS				
4.1	ADO.NET: ADO.NET Data Namespaces	2	Chalk & Talk	Black Board
4.2	SqlConnection, SqlCommand, SqlDataAdapter, DataSet Class, Data View.	2	Chalk & Talk	LCD
4.3	ASP.NET: Introduction to ASP.NET Web Forms	2	Lecture	PPT & White board
4.4	Implementation of ASP.NET controls: Dropdown List	2	Lecture	Smart Board



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4.5	Textbox, Button, Checkbox, Radio Button	2	Lecture	Black Board
UNIT 5 - FILE SYSTEMS, OLE CONTROLS				
5.1	Introduction to Text File, Open Text File	2	Chalk & Talk	Black Board
5.2	Read Text File Line by Line	2	Chalk & Talk	LCD
5.3	Write to Text File in VB .NET	2	Lecture	PPT & White board
5.4	Appending Text to File	2	Lecture	Smart Board
5.5	Copy File, Move File	2	Chalk & Talk	LCD
5.6	Delete File	2	Chalk & Talk	LCD

CIA

Scholastic	35
Non Scholastic	5
	40



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EVALUATION PATTERN

SCHOLASTIC					NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

UG CIA Components

				Nos				
C1	-	Test (CIA 1)		1	-	10	Mks	
C2	-	Test (CIA 2)		1	-	10	Mks	
C3	-	Assignment		1	-	5	Mks	
C4	-	Open Book Test/PPT		2 *	-	5	Mks	
C5	-	Quiz		2 *	-	5	Mks	
C6	-	Attendance			-	5	Mks	

****The best out of two will be taken into account***



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Mapping COs Consistency with PSOs

CO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	3	1	2	2	2	1	1	1
CO2	1	3	1	2	2	2	2	1
CO3	1	2	1	1	3	2	2	2
CO4	1	1	1	3	2	1	2	2
CO5	1	2	3	1	1	1	1	1

Mapping of COs with POs

CO/ PSO	PO1	PO2	PO3	PO4	PO5
CO1	1	1	1	1	1
CO2	1	1	1	1	3
CO3	1	3	1	1	1
CO4	1	1	1	1	3
CO5	1	1	1	1	1

Note:

- ☐ Strongly Correlated – 3
- ☐ Moderately Correlated – 2
- ☐ Weakly Correlated -1



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COURSE DESIGNER:

1. Staff Name : Dr. G. Preetha

Forwarded By

(S.Selvarani)

பிரிவு : 1. Yaw

வருப்பா சிரியம்

வகுப்பு :

பிரிவு :

20 ஆண்டு

மாதம்

வரிசை எண்	பதிவு எண்	பெயர்	1	2	3	4	5	6	7	8	9	10	11	12
39	2022BC40	Thaashini Priya K S	/	/	/	/	/	a	/	/	/	/	/	/
40	2022BC41	Udanya Sri M	/	/	/	/	/	/	a	/	a	/	a	/
41	2022BC43	Viveka Srilakshmi	/	a	/	/	/	/	a	/	/	/	/	/
42	2022BC44	Preethiga G	/	/	/	/	/	/	a	/	/	/	a	/
43	2022BC45	Harini A	/	/	/	/	/	/	a	/	a	/	/	/
44	2022BC46	Deeshika B	/	/	/	a	/	/	a	a	/	/	/	/
தினம் வந்தல்கள்	காலம்	ஆண்டு } மாதம் } பேரம் }	சு	சு	சு	சு	சு	சு	சு	சு	சு	சு	சு	சு

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	வருகை நாட்கள்	குறிப்பு
11/3	12/3	14/3	21/3	28/3	1/4	11/4	12/4	15/4												
a	/	a	/	/	a	/	/	/												
/	/	/	/	a	/	/	/	/												
/	/	/	/	/	/	a	/	/												
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/	a	/	a	/	/	/	/	/												



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DEPARTMENT OF COMPUTER APPLICATIONS

Value added Courses - Course Teacher Name list

S. No.	Course Title with Course Code	Course Teacher	No. of Hours Taken
1	VB.NET– 19UAD2CA	Dr. G. Preetha	60
2	Android Application Development - 19UGVAJ1	Ms. A. Punitha Roselin	30

Course Teacher Signature

Signature of the HOD with Seal

**Head of the Department
Department of Computer Applications
Fatima College (Autonomous)
Madurai-625 018.**



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B.C.A. (PC-USCA)



CENTRE No. 603

CONSOLIDATED STATEMENT OF MARKS AND GRADE SHEET

REGISTER No. 2021BC03			NAME : AMALA RENITHA B			EXAM MONTH & YEAR : APR.2022			DATE OF PUBLICATION OF RESULTS : 18.07.2022					
SEM	PART	COURSE CODE	CHOICE BASED CREDIT SYSTEM & OUTCOME BASED EDUCATION COURSE TITLE ENGLISH MEDIUM	CREDITS	MAXIMUM MARKS			MARKS SECURED			GRADE POINT	GRADE	RESULT	M & YR
					CIA	ESE	TOT	CIA	ESE	TOT				
I	I	19TLIC1	GENERAL TAMIL - IKAALA ILAKIYAM	3	40	60	100	31	46	77	7.7	D	P	N 21
II	I	19TL2C2	GENERAL TAMIL - BAKTHI ILAKIYAM	3	40	60	100	36	43	79	7.9	D	P	A 22
I	II	19EL1WA	ADVANCED COMMUNICATIVE ENGLISH	3	40	60	100	32	45	77	7.7	D	P	N 21
II	II	19EL2WA	ENGLISH FOR CREATIVE WRITING-ADVANCED	3	40	60	100	32	46	78	7.8	D	P	A 22
I	III	19J1CC1	PROGRAMMING IN C	4	40	60	100	32	54	86	8.6	D++	P	N 21
I	III	19J1CC2	LAB IN C	3	40	60	100	38	56	94	9.4	O	P	N 21
I	III	19G1ACJ1	DISCRETE MATHEMATICS	5	40	60	100	39	59	98	9.8	O+	P	N 21
II	III	19J2CC3	OBJECT ORIENTED PROGRAMMING IN C++	4	40	60	100	35	49	84	8.4	D+	P	A 22
II	III	19J2CC4	LAB IN C++	3	40	60	100	40	56	96	9.6	O+	P	A 22
II	III	19G2ACJ2	OPERATIONS RESEARCH	5	40	60	100	37	41	78	7.8	D	P	A 22
I	IV	19AC1NME	FUNDAMENTALS OF FINANCIAL ACCOUNTING	2	40	60	100	34	59	93	9.3	O	P	N 21
II	IV	21U2NME	MANAGEMENT PRINCIPLES	2	40	60	100	35	49	84	8.4	D+	P	A 22
II	IV	21GVE	VALUE EDUCATION	2	80	120	200	77	112	189	9.5	O+	P	A 22
ADD ON CREDITS														
I		19UADFCA	FOUNDATION COURSE - ARTS	2	50	@	50	26	@	26	5.2	B	P	N 21
II		19UADFCS	FOUNDATION COURSE - SCIENCE	2	50	@	50	28	@	28	5.6	B+	P	A 22
II		19UAD2CA	VB .NET	2	100	@	100	100	@	100	10	O+	P	A 22
II		21UG2SLJ	OPEN SOURCE ANIMATION TOOL	2	40	60	100	36	58	94	9.4	O	P	A 22
<<END OF STATEMENT>>														

Part	Course Category	CREDITS		Total Marks	% of Total Marks	GPA (SEMESTERWISE)						CGPA	Overall Grade (I-VI)	Class Obtained (Based on CGPA)
		Required	Earned			I	II	III	IV	V	VI			
I	Language - I	6	6	-	-	7.7	7.9	-	-	-	-	-	-	-
II	Language - II	6	6	-	-	7.7	7.8	-	-	-	-	-	-	-
III	Major core, Allied & Electives	24	24	-	-	9.3	8.5	-	-	-	-	-	-	-
IV	AECC	6	6	-	-	9.3	9	-	-	-	-	-	-	-
V	Co-curricular courses	-	-	-	-	-	-	-	-	-	-	-	-	-
	Add-on Courses	-	8	-	-	-	-	-	-	-	-	-	-	-
	Online Courses	-	-	-	-	-	-	-	-	-	-	-	-	-

Candidate's Signature		FATIMA COLLEGE MADURAI	
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Note : 1. Any alteration or overwriting makes this Statement of Marks and Grades Invalid. 2. Discrepancy, if any, should be brought to the notice of the Head of the Institution.



OFFICE SEAL

B. Jassim Arimala
CONTROLLER OF EXAMINATIONS

S. G. Leli Sahaya Mary
PRINCIPAL