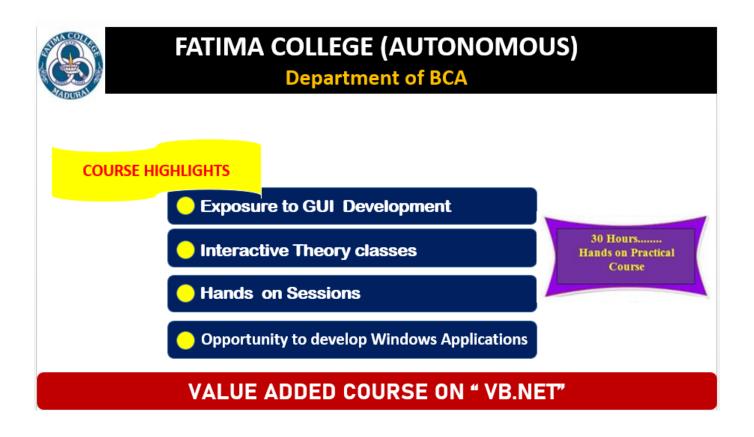
### **Brochure**

#### VB.NET - 19UAD2CA





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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 CERTIFICA TE 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 in Time 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: INTRODUCTI	ON TO VIS	UAL 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: CONTRO	OL STATEM	IENTS	
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 AN	ID 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, FORM	IS AND GR	APHICS	
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 SYSTE	MS, OLE C	ONTROLS	
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**

	SC	HOLAS	TIC		NON - SCHOLASTIC		MARKS	
C1	C2	С3	C4	С5	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 <b>*</b>	-	5 Mks
<b>C5</b>	-	Quiz	2 *	-	5 Mks
<b>C6</b>	-	Attendance		_	5 Mks

<sup>\*</sup>The best out of two will be taken into account



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#### **Mapping COs Consistency with PSOs**

CO/PS O	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
соз	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	РО3	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
- $\square$  Weakly Correlated -1



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#### **COURSE DESIGNER:**

1. Staff Name: Dr. G. Preetha

Forwarded By

(S.Selvarani)

Selvarari

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#### FATIMA COLLEGE (AUTONOMOUS)



## Re-Accredited with 'A++' by NAAC (Cycle – IV) Mary Land, Madurai

#### 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** 

A. Hir RLia

Signature of the HOD with Seal

Selvarari

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



# FATIMA COLLEGE (Autonomous), MADURAI - 625 018 (Affiliated to Madurai Kamaraj University)

Re-Accredited with 'A++' by NAAC (Cycle - 4)

CONSOLIDATED STATEMENT OF MARKS AND GRADE SHEET CENTRE No. 603 EXAM MONTH & YEAR : APR.2022 REGISTER No. NAME : DATE OF PUBLICATION OF RESULTS: 18.07.2022 2021BC03 AMALA RENITHA B RESULT GRADE MAXIMUM MARKS MARKS SECURED GRADE CHOICE BASED CREDIT SYSTEM & OUTCOME BASED EDUCATION COURSE SEM PART ESE CIA COURSE TITLE ESE TOT CODE CIA N 21 7.7 D P 77 31 46 46 60 3 A 22 N 21 GENERAL TAMIL - IKAALA ILAKIYAM D 19TLICI 36 32 43 GENERAL TAMIL - BAKTHI ILAKIYAM ADVANCED COMMUNICATIVE ENGLISH 40 11 19TL2C2 7.7 60 100 A 22 N 21 N 21 D 7.8 8.6 Ħ 19ELIWA 32 78 40 60 100 ENGLISH FOR CREATIVE WRITING-ADVANCED 19EL2WA 11 11 32 54 86 100 60 40 19JICC1 PROGRAMMING IN C 0 100 38 56 N 21 98 84 9.8 8.4 0+ 111 19JICC2 LABINC 39 40 60 100 DISCRETE MATHEMATICS D+ A 22 19GIACJ1 III 100 49 40 60 OBJECT ORIENTED PROGRAMMING IN C++ 19J2CC3 A 22 m 9.6 7.8 0+ 96 78 40 56 100 60 40 19J2CC4 LAB IN C++ D A 22 m 100 37 41 60 40 OPERATIONS RESEARCH п Ш 19G2ACJ2 N 21 0 93 9.3 100 59 60 FUNDAMENTALS OF FINANCIAL ACCOUNTING MANAGEMENT PRINCIPLES 2 40 IV 19ACINME A 22 8.4 100 35 49 84 60 40 11 21U2NME 9.5 0+ A 22 189 120 200 77 112 80 21GVE VALUE EDUCATION П ADD ON CREDITS N 21 P B @ 26 5.2 50 26 2 50 19UADFCA FOUNDATION COURSE - ARTS A 22 A 22 @ @ 58 58 B+ 50 28 28 5.6 66 50 FOUNDATION COURSE - SCIENCE 11 19UADFCS 10 100 100 100 100 VB NET A 22 П 19HAD2CA 100 36 OPEN SOURCE ANIMATION TOOL H <<END OF STATEMENT>> Overall Grade (I-VI) GPA (SEMESTERWISE) % of Total Class Obtained CREDITS Total CGPA (Based on CGPA) Course Category Marks VI Required Earned 7.9 7.7 6 6 Language - I 7.7 7.8 6 Language - II 11 9.3 8.5 Major core, Allied & Electives 24 24 111 9.3 9 6 6 IV AECC Co-curricular courses V ----8 Add-on Courses Online Courses

Note: 1 Any pherallon 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.

B. Jaspin Himala S. G. Celi Saling Many PRINCIPAL