

# AMBIGA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

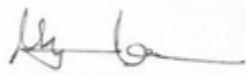
(AFFILIATED TO MADURAI KAMARAJ UNIVERSITY)

ANNA NAGAR, MADURAI-625 020, TAMIL NADU.

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1.3.2 Average percentage of courses that include experiential learning through project work /field work/internship during last five years

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**B.COM CA PROJECT SYLLABUS**

**COURSE STRUCTURE AND SCHEME OF VALUATION  
SEMESTER WISE**

**I SEMESTER**

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	I	Tamil / Malayalam/Arabic/ French or வணிக கடிதத் தொடர்புகள்	6	3	25	75	100
2.	II	English I	6	3	25	75	100
3.	III	Introduction to PC Software and MS-Office	5	4	25	75	100
4.	III	MS – Office Lab	5	4	25	75	100
5.	III	Financial Accounting I	6	5	25	75	100
6.	IV	Non-Major Elective Business Accounting. <i>EXC</i>	2	2	25	75	100

**II SEMESTER**

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	I	Tamil / Malayalam/Arabic/ French or கடிதத் கோட்பாடுகளும் நடைமுறைகளும்	6	3	25	75	100
2.	II	English II	6	3	25	75	100
3.	III	Business Application Programming	5	4	25	75	100
4.	III	Business Application Programming Lab	5	4	25	75	100
5.	III	Financial Accounting II	6	5	25	75	100
6.	IV	Non-Major Elective Advertising and Salesmanship	2	2	25	75	100

**III SEMESTER**

S. No	P	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Data base Application	5	4	25	75	100
2.	III	Data base Application Lab	5	4	25	75	100

3.	III	Financial Accounting III	6	5	25	75	100
4.	III	Business Statistics	6	4	25	75	100
5.	III	Cost Accounting	6	4	25	75	100
6.	IV	Retail Marketing	2	2	25	75	100

#### IV SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Introduction to visual Programming	5	4	25	75	100
2.	III	Visual Programming Lab	6	4	25	75	100
3.	III	Banking Theory, Law and Practice.	5	4	25	75	100
4.	III	Business Mathematics	6	4	25	75	100
5.	III	Financial Accounting IV	6	5	25	75	100
6.	IV	Goods and Services Tax	2	2	25	75	100

#### V SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Financial Accounting – V	6	5	25	75	100
2.	III	Business Laws	5	4	25	75	100
3.	III	Income tax Law and Practice I	5	5	25	75	100
4.	III	Introduction to Multimedia and DTP	5	4	25	75	100
5.	III	Multimedia and DTP Lab	5	4	25	75	100
6.	IV	Environmental Studies (Skill based)	2	2	25	75	100
7.	IV	Export – Import Procedures and Documentation (Skill based)	2	2	25	75	100

#### VI SEMESTER

S. No	Part	Title of the Paper	Hours /Week	Credit	Internal	External	Total
1.	III	Labour Laws	6	4	25	75	100
2.	III	Income tax Law and Practice II	6	5	25	75	100
3.	III	Fundamentals of Internet and Web Technologies	5	4	25	75	100
4.	III	Project work and on the Job Training (Viva – Voce)	5	4	25	75	100
5.	IV	Value Education (Skill Based)	2	2	25	75	100
6.	IV	Commerce Practical (Skill Based)	2	2	25	75	100
7.	IV	Tally – Lab (Skill Based)	2	2	25	75	100
8.	IV	E – Commerce (Skill Based)	2	2	25	75	100



#### IV SEMESTER

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	II	Introduction to Visual Programming	5	4	25	75	100
2.	III	Visual Programming – Lab	6	4	25	75	100
3.	III	Banking Theory, Law and Practice	5	4	25	75	100
4.	III	Business Mathematics	6	4	25	75	100
5.	III	Financial Accounting - IV	6	5	25	75	100
6.	IV	International Trade (Skill based)	2	2	25	75	100

#### V SEMESTER

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	III	Financial Accounting – V	6	5	25	75	100
2.	III	Business Laws	5	4	25	75	100
3.	III	Income Tax Law and Practice I	5	5	25	75	100
4.	III	Introduction to Multimedia and DTP	5	4	25	75	100
5.	III	Multimedia Application – Lab	5	4	25	75	100
6.	IV	Environmental studies (Skill based)	2	2	25	75	100
7.	IV	Export - Import Procedures and Documentation (Skill based)	2	2	25	75	100

#### VI SEMESTER

S. No.	Part	Title of the Paper	Hours/Week	Credit	Internal	External	Total
1.	III	Labour Laws	6	4	25	75	100
2.	III	Income Tax Law and Practice II	6	5	25	75	100
3.	III	Fundamentals of Internet and Web Technologies	5	4	25	75	100
4.	III	Project work and On the Job Training (Viva - Voce)	5	4	25	75	100
5.	IV	Value Education (Skill based)	2	2	25	75	100
6.	IV	Commerce Practicals (Skill based)	2	2	25	75	100
7.	IV	MS Office & Tally - Lab (Skill based)	2	2	25	75	100
8.	IV	Information Technology (Skill based)	2	2	25	75	100





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V SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS11	Relational Database Management Systems	5	4	25	75
2	CS12	Operating System	5	4	25	75
3	CS13	Software Engineering	5	4	25	75
4	CS14	Lab 9 : Relational Database Management Systems	6	4	40	60
5	ES1	1. Client Server Computing 2. Android Programming 3. Theory of Computation	5	4	25	75
6	EVS	Environmental Studies <i>NME1</i>	2	2	25	75
7	SBS5	Lab 10: Python Programming	2	2	40	60
Total			30	24		

VI SEMESTER

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS15	Data Communication and Computer Networks	5	4	25	75
2	CS16	Lab 11 : Web Technology	6	4	40	60
3	CS17	Data Mining	5	4	25	75
4	ES2	1. Computer Graphics 2. Compiler design 3. Information Security	5	4	25	75
5	ES3	Project Work / Viva-Voce	5	5	25	75
6	VE	Value Education <i>NME2</i>	2	2	25	75
7	SBS6	Quantitative Aptitude	2	2	25	75
Total			30	25		

Non-Major Elective Courses to be offered by the Department of Computer Science to the students other than B.Sc. Computer Science

1. NME1 - Introduction to Computers and Office Automation
2. NME2 - Introduction to Internet



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**Appendix – CS1**  
**(Subject/Structure of Course Study)**

Sem.	Subjects							Total Hours	Total Credits
I	T1(6) [3]	E1(6) [3]	CS1(4) [4]	CS2(6) [4]	AS1(4) [4]	SBS1(2) [2]	NME1(2) [2]	30	22
II	T2(6) [3]	E2(6) [3]	CS3(4) [4]	CS4(6) [4]	AS2(4) [4]	SBS2(2) [2]	NME1(2) [2]	30	22
III	T3(6) [3]	E3(6) [3]	CS5(4) [4]	CS6(4) [3]	CS7(4) [4]	AS3(4) [4]	SBS3(2) [2]	30	23
IV	T4(6) [3]	E4(6) [3]	CS8(4) [4]	CS9(4) [3]	CS10(4) [4]	AS4(4) [4]	SBS4(2) [2]	30	23
V	CS11(5) [4]	CS12(5) [4]	CS13(5) [4]	CS14(6) [4]	ES1(5) [4]	EVS(2) [2]	SBS5(2) [2]	30	24
VI	CS15(5) [4]	CS16(6) [4]	CS17(5) [4]	ES2(5) [4]	ES3(5) [5]	VE(2) [2]	SBS6(2) [2]	30	25
Extension Activity									1
<b>TOTAL CREDITS</b>									<b>140</b>

( ) – Number of Hours

[ ] – Number of Credits

T - Tamil

E - English

CS - Core Subject

AS - Allied Subject

SBS - Skill Based Subject

NME - Non Major Elective

ES - Elective Subject

VE - Value Education

EVS - Environmental Studies

EA - Extension Activities



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**V SEMESTER**

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS11	Relational Database Management Systems	5	4	25	75
2	CS12	Data Communication and Computer Networks	5	4	25	75
3	CS13	Operating System	5	4	25	75
4	CS14	Lab 9 : Relational Database Management Systems	6	4	40	60
5	ES1	1. Mobile Computing 2. Web Technology 3. Information Security,	5	4	25	75
6	EVS	Environmental Studies	2	2	25	75
7	SBS5	Lab 10 : Networking	2	2	40	60
		Total	30	24		

**VI SEMESTER**

S No	CODE	Subject	Hours	Credits	Internal Marks	External Marks
1	CS15	Dot Net Programming	5	4	25	75
2	CS16	Lab 11 : Dot Net Programming	6	4	40	60
3	CS 17	Software Engineering	5	4	25	75
4	ES2	1. Data Mining 2. Compiler design 3. Cryptography & Network Security	5	4	25	75
5	ES3	Project Work / Viva-Voce	5	5	25	75
6	VE	Value Education	2	2	25	75
7	SBS6	Quantitative Aptitude	2	2	25	75
		Total	30	25		


  
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**Appendix – CA1**  
**(Subject/Structure of Course Study)**

Sem.	Subjects							Total Hours	Total Credits
I	T1(6) [3]	E1(6) [3]	CS1(4) [4]	CS2(6) [4]	AS1(4) [4]	SBS1(2) [2]	NME1(2) [2]	30	22
II	T2(6) [3]	E2(6) [3]	CS3(4) [4]	CS4(6) [4]	AS2(4) [4]	SBS2(2) [2]	NME1(2) [2]	30	22
III	T3(6) [3]	E3(6) [3]	CS5(4) [4]	CS6(4) [3]	CS7(4) [4]	AS3(4) [4]	SBS3(2) [2]	30	23
IV	T4(6) [3]	E4(6) [3]	CS8(4) [4]	CS9(4) [3]	CS10(4) [4]	AS4(4) [4]	SBS4(2) [2]	30	23
V	CS11(5) [4]	CS12(5) [4]	CS13(5) [4]	CS14(6) [4]	ES1(5) [4]	EVS(2) [2]	SBS5(2) [2]	30	24
VI	CS15(5) [4]	CS16(6) [4]	CS17(5) [4]	ES2(5) [4]	ES3(5) [5]	VE(2) [2]	SBS6(2) [2]	30	25
Extension Activities									1
<b>TOTAL CREDITS</b>									<b>140</b>

**Abbreviations:**

( )	-	Number of Hours	[ ]	-	Number of Credits
T	-	Tamil;	E	-	English
CS	-	Core Subject	AS	-	Allied Subject
SBS	-	Skill Based Subject	NME	-	Non Major Elective
ES	-	Elective Subject	VE	-	Value Education
EVS	-	Environmental Studies	EA	-	Extension Activity

  
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V SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	CS11	Database Management Systems	5	4	25	75
2	CS12	Software Engineering	5	4	25	75
3	CS13	Dot Net Programming	5	4	25	75
4	CS14	Lab 9 : Dot Net Programming(VB.Net)	6	4	40	60
5	ES1	1. Client / Server System 2. Soft Computing 3. Information Security	5	4	25	75
6	EVS	Environmental Studies	2	2	25	75
7	SBS5	Lab 10 :PHP and MySQL	2	2	40	60
Total			30	24		

VI SEMESTER

S No	Code	Subject	Hours	Credits	Internal Marks	External Marks
1	CS15	Computer Networks	5	4	25	75
2	CS16	Web Programming	6	4	40	60
3	CS 17	Lab 11 : Web Programming	5	4	25	75
4	ES2	1. Data Mining 2. Mobile Computing 3. Software Testing and Quality Assurance	5	4	25	75
5	ES3	Project Work / Viva-Voce	5	5	25	75
6	VE	Value Education	2	2	25	75
7	SBS6	Mobile Application Development	2	2	25	75
Total			30	25		

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