

ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN,

PALANI

(AUTONOMOUS)

(Re-accredited with 'A' Grade by NAAC)

Chinakalayamputhur, Palani-624615

BACHELOR OF COMPUTER APPLICATIONS

Syllabus for the academic year 2016-17 and onwards



PG DEPARTMENT OF COMPUTER SCIENCE

Under Choice Based Credit system

ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN
PG DEPARTMENT OF COMPUTER SCIENCE
BACHELOR OF COMPUTER APPLICATIONS

REGULATIONS

1. QUALIFICATION FOR ADMISSION

- Candidate should have passed the Higher Secondary Examination conducted by the board of syndicate as equivalent there to with Mathematics or Computer Science and at least one of the following subject.
 - Physics / Chemistry

2. DURATION OF THE COURSE

- The students will undergo the prescribed course of study for a period of not less than three academic years (Six semesters).

3. MEDIUM OF INSTRUCTION

- English

4. SCHEME OF EXAMINATION

- As given in Appendix

5. ELIGIBILITY OF THE DEGREE

- Candidates will be eligible if they complete the course with the required credits and pass in the prescribed examinations.
- The candidate requires 75% of attendance to attend the semester examination.
- The passing minimum is 40% (both in internal and external separately) in each paper.
- To get Graduation, the students should gain minimum 140 credits.

6. EVALUATION

- Evaluation of the candidates shall be through both internal and external assessment. The ratio of internal and external assessment should be 25:75.
- For each course there will be Continuous Internal Assessment(CIA) and Final Semester Examination

INTERNAL ASSESSMENT (25 Marks):

Written Test : 15 Marks

Seminar : 05 Marks

Assignment : 05 Marks

Total : 25 Marks

7 i) INTERNAL QUESTION PATTERN (*For Core, Allied and Elective Papers*)

Time: 1 Hour

Total Marks: 15

SECTION A

(3*1=3 Marks)

Answer all questions:

SECTION B

(1*2=2 Marks)

Answer any ONE out of TWO questions

SECTION C

(1*4=4 Marks)

Answer any ONE out of TWO questions

SECTION D

(1*6=6 Marks)

Answer any ONE out of TWO questions

7 ii) INTERNAL QUESTION PATTERN (For SBC & NME Papers)

Time: 1 Hour

Total Marks : 15 Marks

SECTION A

(2*2=4 Marks)

Answer any TWO out of THREE questions

SECTION B

(1*4=4 Marks)

Answer any ONE out of TWO questions

SECTION C

Answer any ONE out of TWO questions

(1*7=7 Marks)

7. iii) EXTERNAL QUESTION PATTERN (For Core, Allied and Elective Papers)

Time: 3 Hours

Total Marks: 75

SECTION A

(10*1=10 Marks)

Answer all questions:

This may include multiple choices, True or False, Fill ups, Very Short answers and Simple Examples

SECTION B

(5*3=15 Marks)

Answer any FIVE out of SEVEN questions

(Each Unit must have one or Two Questions)

SECTION C

(4*5=20 Marks)

Answer any FOUR out of SIX questions

(Each Unit must have one or Two Questions)

SECTION D

(3*10=30 Marks)

Answer any THREE out of FIVE questions

(One Question from each Unit)

7 iv) EXTERNAL QUESTION PATTERN (For SBC & NME Papers)

Duration: 3 Hours

Total Marks: 75

SECTION A

Answer any FIVE out of EIGHT questions

(5*3=15 Marks)

(Each Unit must have one or Two Questions)

SECTION B

Answer any FIVE out of EIGHT questions

(5*6=30 Marks)

(Each Unit must have one or Two Questions)

SECTION C

Answer any THREE out of FIVE questions

(3*10=30 Marks)

(One Question from each Unit)

8. Passing Requirements

Scoring 40% Minimum in Internal and 40 % Minimum External Examination

Course	Internal (25 Marks)	External (75 Marks)	Average of Passing Minimum
UG	10/25(40 %)	30/75(40%)	40/100

**ARULMIGU PALANIANDAVAR ARTS COLLEGE FOR WOMEN,PALANI
(AUTONOMOUS)**

**Re-accredited with 'A' Grade by NAAC
(Affiliated To Mother Teresa Women's University)**

**Syllabus for
Bachelor of Computer Applications (2016-17 and onwards)
BOARD OF STUDIES / MEETING -01.03.2016**

UNIVERSITY NOMINEE

Dr.(Mrs).M.Pushparani MCA., Ph.D.,

Professor and Head,

Department of Computer Science,

Mother Teresa Women's University, Madurai centre,

Madurai.

SUBJECT EXPERTS

1. Mr.M.Sulthan Ibrahim M.Sc., M.Phil.,

Assistant professor,

Department of Computer Science,

Government Arts College,

Karur.

2. Dr.(Mr).E. Karthikeyan M.Sc., M.Phil., Ph.D.,

Assistant Professor,

Department of Computer Science,

Government Arts College,

Udumalpet.

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**Bachelor of Computer Applications- CBCS
(with effect from the academic year 2016-2017 and Onwards)**

Semester	Part	Title of Paper	Hours	Marks			Credits
				INT	EXT	TOT	
I	PART I	Tamil	6	25	75	100	3
	PART II	English	6	25	75	100	3
	PART III	Core I – Programming In 'C'	5	25	75	100	5
		Core II Lab I – Programming In 'C'	5	40	60	100	3
		Allied I – Principles of Management	5	25	75	100	5
	PART IV	Skill Based Course I – Computer Fundamentals and Internet Basics	2	25	75	100	2
		Value Education – Yoga Practical	1	-	-	-	-
			TOTAL	30			600
II	PART I	Tamil	6	25	75	100	3
	PART II	English	6	25	75	100	3
		Core III – Programming In C++	5	25	75	100	5
		Core IV Lab II – Programming In C++	5	40	60	100	3

	PART III	Allied II – Discrete Mathematics	4	25	75	100	5
	PART IV	Skill Based Course –II: Office Automation Lab	2	40	60	100	2
		Value Education – Yoga Theory	2	25	75	100	2
			30			700	23
III	PART III	Core V – Java Programming	5	25	75	100	5
		Core VI LAB III – Java Programming	6	40	60	100	3
		Core VII – Digital Electronics	5	25	75	100	4
		Core VIII Lab IV :Tally	5	40	60	100	3
		Allied III – Business Accounting	5	25	75	100	5
	PART IV	Skill Based Course – III Entrepreneurship Development	2	25	75	100	2
		Non Major Elective – I	2	25	75	100	2
		Total	30			700	24
	IV	PART III	Core IX – Relational Database Management System	6	25	75	100
Core X LAB V – Relational Database Management System			5	40	60	100	3
Core XI – System Programming			6	25	75	100	4
Core XII – Web Technology			5	25	75	100	3
Allied IV – Numerical Methods			6	25	75	100	5

	PART IV	Skill Based Course– IV: Web Designing Lab	2	40	60	100	2
	PART V	Extension Activities	-	-	-	100	1
		Total	30			700	22
V	PART III	Core XIII – Visual Programming	6	25	75	100	5
		Core XIV– Operating System	6	25	75	100	5
		Core XV Lab VI – Visual Programming	6	40	60	100	3
		Elective I	5	25	75	100	5
		Elective II	5	25	75	100	5
	PART IV	Skill Based Course V – Aptitude	2	25	75	100	2
		Total	30			600	25
VI	PART III	Core XVI – Computer Graphics	6	25	75	100	5
		Core XVII – Computer Networks	6	25	75	100	4
		Core XVIII – Project Work	7	40	60	100	5
		Elective III	5	25	75	100	5
	PART IV	Skill Based Course VI – VB.Net lab	2	40	60	100	2
		Environmental Studies	2	25	75	100	2
		Non Major Elective – II	2	25	75	100	2
		Total	30			700	25

NME Papers: (offered to other department Students)

1. Office Automation
2. Internet Basics

Electives Papers:

Elective I

1. Software Engineering
2. Pc Maintenance and Trouble Shooting
3. Neural Networks

Elective II

1. E-Commerce
2. Digital Image Processing
3. Data Mining

Elective III

1. Multimedia and its Applications
2. Client Server Computing
3. Mobile Computing