



Bachelor of Computer Applications – Course Structure under CBCS.
(For the Candidates admitted from the Academic year 2016-2017 onwards)

(NAAN MUDHALVAN SCHEME was Implemented in 6th semester alone for 2020-21 Batch)

Sem.	Part	Course	Title	Instru Hours /Week	Credit	Exam Hours	Marks		Total
							Int	Extn	
I	I	Language Course – I (LC) – Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course – I (ELC)		6	3	3	25	75	100
	III	Core Course – I (CC)	Programming in C	6	5	3	25	75	100
		Core Practical – I (CP)	Programming in C (P)	3	2	3	40	60	100
		First Allied Course – I (AC)		4	4	3	25	75	100
		First Allied Course – II (AC)		3	-	-	-	-	-
	Add on Course – I ##		Professional English I	6	4	3	25	75	100
	IV	Value Education	Value Education	2	2	3	25	75	100
Total				30	23				700
II	I	Language Course – II(LC) – Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course–II (ELC)		6	3	3	25	75	100
	III	Core Course– II(CC)	Programming in C++	6	6	3	25	75	100
		Core Practical-II(CP)	Programming in C++ (P)	3	2	3	40	60	100
		First Allied Course–II(AC)		3	3	3	25	75	100
		First Allied Course–III(AC)		4	2	3	25	75	100
	Add on Course – II ##		Professional English II	6	4	3	25	75	100
	IV	Environmental Studies	Environmental Studies	2	2	3	25	75	100
Total				30	25				800
III	I	Language Course – III(LC)– Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course-III (ELC)		6	3	3	25	75	100
		Core Course – III(CC)	Programming in Java	6	5	3	25	75	100
		Core Practical-III(CP)	Programming in Java (P)	3	2	3	40	60	100
		Second Allied Course–I(AC)		4	4	3	25	75	100
		Second Allied Course – II (AC and AP) (Theory-60 marks (UE:45 IA:15) (Practical-40marks(UE:30IA:10)		3	-	-	-	-	-
	III	Non Major Elective I - for those who studied Tamil under Part I a) BasicTamil for other language students b) Special Tamil for those whostudiedTamilupto+2butopt for other languages in degree programme	Working Principles of Internet @	2	2	3	25	75	100
	Total			30	19				600

IV	I	Language Course –IV (LC)- Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course–IV (ELC)		6	3	3	25	75	100
	III	Core Course – IV (CC)	Database Systems	5	5	3	25	75	100
		Core Practical-IV (CP)	Database Systems (P)	3	2	3	40	60	100
		Second Allied Course–II (AC & AP) (Theory-60 marks (UE:45IA:15) (Practical-40marks (UE:30IA:10)		3	3	(2+2) 4***	40	60	100
		Second Allied Course–III (AC)		3	2	3	25	75	100
	IV	Non Major Elective II- for those who studied Tamil under Part I a) Basic Tamil for other language students b) Special Tamil for those who studied Tamil upto +2 but opt for other languages in degree programme	Fundamentals of Information Technology @	2	2	3	25	75	100
	Skill Based Elective-I	Skill Based Elective - I	2	2	3	25	75	100	
Total				30	22				800
V	III	Core Course V [CC]	Data Structures and Algorithms	5	5	3	25	75	100
		Core Course VI [CC]	Operating Systems	5	5	3	25	75	100
		Core Course VII [CC]	Digital Computer Fundamentals	5	5	3	25	75	100
		Core Practical V [CP]	Computer Graphics and Animation (P)	4	3	3	40	60	100
		Major Based Elective-I	Computer Graphics / Software Engineering / Software Testing	5	5	3	25	75	100
	IV	Skill Based Elective II	Skill Based Elective - II	2	2	3	25	75	100
		Skill Based Elective III	Skill Based Elective –III	2	2	3	25	75	100
		Soft Skills Development	Soft Skills Development	2	2	3	25	75	100
	Total				30	29			
VI	III	Core Course VIII [CC]	Computer Networks	6	6	3	25	75	100
		Core Course IX [CC]	Programming in PHP	6	6	3	25	75	100
		Core Practical VI [CP]	Programming in PHP (P)	5	4	3	40	60	100
		Major Based Elective-II	Cloud Computing / Business Process Outsourcing / Mobile Computing	6	6	3	25	75	100
		Major Based Elective -III	Mini Project (Students to do it in their respective Colleges) / Linux Lab / Dot Net Lab	6	6	3	40	60	100
	V	Extension Activities **	Extension Activities	-	1	-	-	-	-
		Gender Studies	Gender Studies	1	1	3	25	75	100
	VI	Naan Mudhalvan Scheme (NMS) @@	Cyber Security / Deep Model, Artificial Intelligence / PBL Android App Development / PBL Mechine Learning	-	2	-	25	75	100
	Total				30	32			
Grand Total				180	150	-	-	-	4400

List of Allied Courses

First Allied Course		Second Allied Course
Mathematics		Accounting and OB
Language Part – I	-	4
English Part –II	-	4
Core Paper	-	9
Core Practical	-	6
Add-on Course	-	2
Allied Paper	-	3
Allied Practical	-	3
Non-Major Elective	-	2
Skill Based Elective	-	3
Major Based Elective	-	3
Environmental Studies	-	1
Value Education	-	1
Soft Skill Development	-	1
Gender Studies	-	1
Extension Activities	-	1 (Credit only)
Naan Mudhalvan Scheme	-	1

* For those who studied Tamil upto 10th +2 (Regular Stream).

+ Syllabus for other Languages should be on par with Tamil at degree level.

Those who studied Tamil upto 10th +2 but opt for other languages in degree level under Part- I should study special Tamil in Part – IV.

The Professional English – Four Streams Course is offered in the 1st and 2nd Semester in all UG Courses. It will be taught apart from the Existing hours of teaching / additional hours of teaching (1 hour /day) as a 4 credit paper as an add on course on par with Major Paper and completion of the paper is must to continue his / her studies further. The Extra 6 hrs / cycle will be utilized for the Add on Professional English Course. (As per G.O. No. 76, Higher Education (K2) Department dated: 18.07.2020).

@ NCC Course is one of the Choices in Non-Major Elective Course. Only the NCC cadets are eligible to choose this course. However, NCC Course is not a Compulsory Course for the NCC Cadets.

** Extension Activities shall be outside instruction hours.

@@ Naan Mudhalvan Scheme as per Government instruction.

Non Major Elective I & II – for those who studied Tamil under Part I

- a) Basic Tamil I & II for other language students
- b) Special Tamil I & II for those who studied Tamil upto 10th or +2 but opt for other languages in degree programme

Note:

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|---|----------|----------|----------|----------|
| 1. Theory | Internal | 25 marks | External | 75 marks |
| 2. Practical | " | 40 marks | " | 60 marks |
| 3. Separate passing minimum is prescribed for Internal and External | | | | |

FOR THEORY

The passing minimum for CIA shall be 40% out of 25 marks [i.e. 10 marks]

The passing minimum for University Examinations shall be 40% out of 75 marks [i.e. 30 marks]

FOR PRACTICAL

The passing minimum for CIA shall be 40% out of 40 marks [i.e. 16 marks]

The passing minimum for University Examinations shall be 40% out of 60 marks [i.e. 24 marks].
