

**B.Sc. Information Technology: Course Structure under CBCS.**  
**(For the candidates admitted from the academic year 2016-2017 onwards)**  
 (NAAN MUDHALVAN SCHEME was Implemented in 6<sup>th</sup> semester alone for 2020-21 Batch)

Semester	Part	Course	Title	Instru Hour/ 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)	Communicative English I	6	3	3	25	75	100
	III	Core Course – I (CC)	Introduction to Information Technology	6	5	3	25	75	100
		Core Practical - I (CP)	Basic Computer usage Lab	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
	<b>Total</b>			<b>30</b>	<b>23</b>				<b>700</b>
II	I	Language Course – II (LC) – Tamil*/Other Languages + #		6	3	3	25	75	100
	II	English Language Course – II (ELC)	Communicative English II	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 Lab	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		2	2	3	25	75	100
	<b>Total</b>			<b>30</b>	<b>25</b>				<b>800</b>
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
	III	Core Course – III (CC)	Programming in C++	6	5	3	25	75	100
		Core Practical - III (CP)	Programming In C++ Lab	3	2	3	40	60	100
		Second Allied Course – I (AC)		4	4	3	25	75	100
		Second Allied Course– II - Practical (AC)		3	-	-	-	-	-
		Non Major Elective I - 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
	<b>Total</b>			<b>30</b>	<b>19</b>				<b>600</b>

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)	Programming in Java	5	5	3	25	75	100
		Core Practical - IV (CP)	Programming in Java Lab	3	2	3	40	60	100
		Second Allied Course– II - Practical (AC)		3	3	3	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	Information Security : Principles and Practices @	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]	Computer Networks	5	5	3	25	75	100
		Core Course VII[CC]	Operating Systems	5	5	3	25	75	100
		Core Practical V [CC]	Computer Graphics and Animation Lab	4	3	3	40	60	100
		Major Based Elective - I	Software Engineering / E-Commerce /Business Process Outsourcing	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				800
VI	III	Core Course VIII [CC]	Mobile Computing	6	6	3	25	75	100
		Core Course IX [CC]	Database Systems	6	6	3	25	75	100
		Core Practical VI [CP]	Database SystemsLab	5	4	3	40	60	100
		Major Based Elective - II	Web Design / Programming in PHP / Cloud Computing	6	6	3	25	75	100
		Major Based Elective - III	Mini Project ( Students to do it in their respective Colleges) / Dot Net Lab / Programming in PHP 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				700
Grand Total				180	150	-	-	-	4400

### List of Allied Courses

First Allied Course		Second Allied Course
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**Mathematics**

**Physics**

Language Part – I	-	4
English Part –II	-	4
Core Paper	-	9
Core Practical	-	6
Add-on Course	-	2
Allied Paper	-	4
Allied Practical	-	2
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 10<sup>th</sup> +2 (Regular Stream).

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

# Those who studied Tamil upto 10<sup>th</sup> +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 1<sup>st</sup> and 2<sup>nd</sup> 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 10<sup>th</sup> or +2 but opt for other languages in degree programme

**Note:**

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

**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]

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