



SRI SARADHA COLLEGE FOR WOMEN

Affiliated to Bharathidasan University, Tiruchirappalli.

SRI SARADHA NAGAR, NH-45, SIRUVACHUR, PERAMBALUR – 621 113.

Dr. M. Subalakshmi, M.Sc., M.Phil., PhD

Principal

DATE: 10.06.2022

To

The Register
Bharathidasan University
Tiruchirappalli.

Respected Sir/Madam,

Sub: Submission of 2022 – 2023 feedback from various stakeholders of the college related to the curriculum and syllabus – Reg.

This is to bring to your kind notice that the college has taken feedback from various stakeholders like students, teachers, alumni and employers for enhancing the academic quality and identifying the gaps in the curriculum and syllabus. We are very pleased to bring to your kind notice the following consideration by our stakeholders for further action and improvements.

I Kindly inform that the curriculum of B.Sc. Computer Science programme students studying the core courses easily and is widely employed in several modern applications. Hence, I request you to change the Course Core –III :Programming in Java and Core Practical – III : Programming in Java to Course Core –III : Programming in Python and Core Practical – III : Programming in Python. This is due to applications of Python replaced Java by its efficiency, speed and scope in various sites of day to day developing technology.

So, I kindly request you to consider for making changes in the next syllabus regulations, where the course core and course practical of Programming in Python should be replace the course core and course practical of Programming in Javawhich would aid the students for better performance in their academics.

Thanking you.


PRINCIPAL
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**B.Sc. COMPUTER SCIENCE****CHOICE BASED CREDIT SYSTEM -****LEARNING OUTCOMES BASED CURRICULUM FRAMEWORK (CBCS - LOCF)**

(Applicable to the candidates admitted from the academic year 2022-2023 onwards)

Sem.	Part	Course	Title	Ins. Hrs	Credits	Exam Hours	Marks		Total	
							Int.	Ext.		
I	I	Language Course – I Tamil \$ / Other Languages + #		6	3	3	25	75	100	
	II	English Course - I		6	3	3	25	75	100	
	III		Core Course – I (CC)	Programming in C and Data Structures	5	5	3	25	75	100
			Core Practical – I (CP)	Programming in C Lab	4	4	3	40	60	100
			First Allied Course – I (AC)		4	4	3	25	75	100
		First Allied Course – II (AC)		3	-	-	-	-	-	
	IV	Value Education		2	2	3	25	75	100	
TOTAL				30	21	-	-	-	600	
II	I	Language Course - II Tamil \$ / Other Languages + #		6	3	3	25	75	100	
	II	English Course - II		6	3	3	25	75	100	
	III		Core Course – II (CC)	Programming in Java	5	5	3	25	75	100
			Core Practical – II (CP)	Programming in Java Lab	4	4	3	40	60	100
			First Allied Course – II (AC)		3	2	3	25	75	100
		First Allied Course – III (AC)		4	4	3	25	75	100	
		Add on Course – I ##	Professional English – I	6*	4	3	25	75	100	
	IV	Environmental Studies		2	2	3	25	75	100	
VI	Naan Mudhalvan Scheme (NMS) @@	Language Proficiency for Employability - Effective English	-	2	3	25	75	100		
TOTAL				30	29	-	-	-	900	


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III	I	Language Course – III Tamil \$ / Other Languages + #		6	3	3	25	75	100	
	II	English Course - III		6	3	3	25	75	100	
	III	Core Course – III (CC)	Programming in Python		5	5	3	25	75	100
		Core Practical - III (CP)	Programming in Python Lab		4	4	3	40	60	100
		Second Allied Course – I (AC)			4	4	3	25	75	100
		Second Allied Practical (AP)			3	-	-	-	-	-
		Add on Course – II ##	Professional English - II		6*	4	3	25	75	100
	IV	Non-Major Elective - I @ Those who choose Tamil in Part I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level or b) Special Tamil if Tamil language was studied up to 10 th & 12 th std.	Fundamentals of Information Technology		2	2	3	25	75	100
	TOTAL				30	25	-	-	-	700
	IV	I	Language Course –IV Tamil \$ / Other Languages + #		6	3	3	25	75	100
II		English Course – IV		6	3	3	25	75	100	
III		Core Course - IV (CC)	Database Management Systems		5	5	3	25	75	100
		Core Practical - IV (CP)	Database Management Systems Lab		4	4	3	40	60	100
		Second Allied Practical (AP)			3	2	3	40	60	100
		Second Allied Course – II (AC)			4	4	3	25	75	100
IV		Non-Major Elective II @ Those who choose Tamil in Part I can choose a non-major elective course offered by other departments. Those who do not choose Tamil in Part I must choose either a) Basic Tamil if Tamil language was not studied in school level or b) Special Tamil if Tamil language was studied up to 10 th & 12 th std.	Working Principles of Internet		2	2	3	25	75	100
VI		Naan Mudhalvan Scheme (NMS) @@	Digital Skills for Employability		-	2	3	25	75	100
TOTAL				30	25	-	-	-	800	

V	III	Core Course - V (CC)	Fundamentals of Algorithms	5	5	3	25	75	100
		Core Course – VI (CC)	Computer Networks	5	5	3	25	75	100
		Core Course – VII (CC)	Digital Electronics and Microprocessor	5	5	3	25	75	100
		Core Practical -V (CP)	Digital Electronics and Microprocessor Lab	4	4	3	40	60	100
		Major Based Elective – I (Any one)	1. Artificial Intelligence and Expert Systems 2. Computer Graphics	5	4	3	25	75	100
	IV	Skill Based Elective I	Web Technology	4	2	3	25	75	100
		Soft Skills Development		2	2	3	25	75	100
TOTAL				30	27	-	-	-	700
VI	III	Core Course - VIII (CC)	Operating Systems	6	5	3	25	75	100
		Core Course - IX (CC)	Programming in PHP	6	5	3	25	75	100
		Core Practical – VI (CP)	Programming in PHP Lab	4	4	3	40	60	100
		Major Based Elective - II (Any one)	1. Software Engineering 2. Big Data Analytics	5	4	3	25	75	100
		Project		4	3	-	40	60	100
	IV	Skill Based Elective – II	Mobile Application Development	4	2	3	25	75	100
	V	Gender Studies		1	1	3	25	75	100
		Extension Activities **		-	1	-	-	-	-
	VI	Naan Mudhalvan Scheme (NMS) @@		-	2	3	25	75	100
TOTAL				30	27	-	-	-	800
GRAND TOTAL				180	154	-	-	-	4500

List of Allied Courses

First Allied Course

Second Allied Course

Mathematics

Applied Physics


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\$ 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 2nd and 3rd Semester (only for 2022-2023 Batch) 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. (As per G.O. No. 76, Higher Education (K2) Department dated: 18.07.2020).

* The Extra 6 hrs / cycle as per the G.O. 76/2020 will be utilized for the Add on Professional English Course.

@ 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.

SUMMARY OF CURRICULUM STRUCTURE OF UG PROGRAMMES

Sl. No.	Part	Types of the Courses	No. of Courses	No. of Credits	Marks
1.	I	Language Courses	4	12	400
2.	II	English Courses	4	12	400
3.	III	Core Courses	9	45	900
4.		Core Practical	6	24	600
5.		Allied Courses I & II	4	16	400
6.		Allied Practical	2	4	200
7.		Major Based Elective Courses	2	8	200
8.		Add –on Course (Professional English I & II)	2	8	200
9.		Project	1	3	100
10.	IV	Non-Major Elective Courses	2	4	200
11.		Skill Based Elective Courses	2	4	200
12.		Soft Skills Development	1	2	100
13.		Value Education	1	2	100
14.		Environmental Studies	1	2	100
15.	V	Gender Studies	1	1	100
16.	VI	Extension Activities	1	1	---
17.		Naan Mudhalvan Scheme	3	6	300
		Total	46	154	4500

PROGRAMME OUTCOMES:

- Graduates will be able to comprehend the basic concepts learnt and apply in real life situations with analytical skills.
- Graduates with acquired skills and enhanced knowledge will be employable / become entrepreneurs or will pursue higher Education.
- Graduates with acquired knowledge of modern software tools will be able to contribute effectively as software engineers.
- Graduates will be able to comprehend the related concepts to Computer Science with Allied papers
- Graduates will be imbued with ethical values and social concerns to ensure peaceful society.

PROGRAMME SPECIFIC OUTCOMES:

- Acquired the required knowledge in the Hardware and Software aspects of Computer Science domain and the art of programming.
- Understood the development methodologies of software systems and the ability to analyze design and develop computer applications for real life problems.
- Gained knowledge and skills to collaborate and communicate with peers in IT / ITES industries
- The ability to understand, adjust and adapt with the dynamic technical environment for the growth of IT industry.
- The capacity to transfer the skills gained, to provide innovative and novel solutions by maintaining ethical norms for the betterment of humane society.



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