

**B.Sc. COMPUTER SCIENCE – PROGRAMME STRUCTURE**

Sem	Part	Course Code	Title of the Course	Cr.	Hrs./ Week	Max. Marks		
						Int.	Ext.	Total
I	I	711T	Tamil/other languages – I	3	6	25	75	100
	II	712E	English – I	3	6	25	75	100
	III	7BCE1C1	Core–I– Programming in C	4	6	25	75	100
		7BCE1P1	Core–II–Programming in C Lab	4	6	40	60	100
			Allied – I (Theory only) (or)	5	5	25	75	100
			Allied – I (Theory cum Practical)	4	3	15	60	75
			Allied Practical – I	-	2**	--	--	---
	IV	7NME1A/ 7NME1B/ 7NME1C	(1) Non-Major Elective–I – (A)தமிழ்மொழியின் அடிப்படைகள் (B) இக்கால இலக்கியம் (C) Communicative English	2	1	25	75	100
			<b>Total (Allied Theory only)</b>	<b>21</b>	<b>30</b>	--	--	<b>600</b>
			<b>Total (Allied Theory cum Practical)</b>	<b>20</b>				<b>575</b>
II	I	721T	Tamil/other languages – II	3	6	25	75	100
	II	722E	English – II	3	6	25	75	100
	III	7BCE2C1	Core – III – Object Oriented Programming with C++	4	6	25	75	100
		7BCE2P1	Core – IV – Object Oriented Programming with C++ Lab	4	5	40	60	100
			Allied – II (Theory only) (or) Allied– II	5	5	25	75	100
			(Theory cum Practical)	4	3	15	60	75
			Allied Practical – I	2	2	20	30	50
	IV	7BES2	(3) Environmental Studies	2	2	25	75	100
			<b>Total (Allied Theory only)</b>	<b>21</b>	<b>30</b>	--	--	<b>600</b>
			<b>Total (Allied Theory cum Practical)</b>	<b>22</b>				<b>625</b>

III	I	73IT	<b>Tamil/other languages – III</b>	3	6	25	75	100
	II	732E	<b>English – III</b>	3	6	25	75	100
	III	7BCE3C1	<b>Core – V – Data Structures and Computer Algorithms</b>	4	5	25	75	100
		7BCE3P1	<b>Core–VI–Data Structures and Computer Algorithms Lab</b> (using C and C++)	4	5	<b>40</b>	<b>60</b>	100
	IV		<b>Allied – I (Theory only) (or)</b>	5	5	25	75	100
			<b>Allied – I (Theory cum Practical)</b>	4	3	15	60	75
			<b>Allied Practical – I</b>	-	2**	--	--	---
	IV	7NME3A/ 7NME3B/ 7NME3C	<b>(1) Non-major Elective– II – (A)</b> இலக்கியமும் மொழிப்பயன்பாடும் <b>(B)</b> பழந்தமிழ் இலக்கியங்களும் இலக்கியவரலாறும் <b>(C)</b> Effective Employability Skills	2	1	25	75	100
		7SBS3A1/ 7SBS3A2/ 7SBS3A3	<b>(2) Skill Based Subjects – I</b>	2	2	25	75	100
	V	7BEA3	<b>Extension activities</b>	1	-	100	--	100
			<b>Total (Allied Theory only)</b>	<b>24</b>	<b>30</b>	--	--	<b>800</b>
		<b>Total (Allied Theory cum Practical)</b>	<b>23</b>				<b>775</b>	
IV	I	741T	<b>Tamil/other languages – IV</b>	3	6	25	75	100
	II	742E	<b>English – IV</b>	3	6	25	75	100
	III	7BCE4C1	<b>Core – VII – Java Programming</b>	4	4	25	75	100
		7BCE4P1	<b>Core–VIII–Java Programming Lab</b>	4	5	<b>40</b>	<b>60</b>	100
			<b>Allied – II (Theory only) (or) Allied– II</b> (Theory cum Practical)	5	5	25	75	100
				4	3	15	60	75
			<b>Allied Practical – I</b>	2	2	20	30	50
	IV	7SBS4B1/ 7SBS4B2/ 7SBS4B3	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100

	IV	7BVE4/ 7BMY4/ 7BWS4	<b>(4) Value Education / Manavalakalai Yoga / Women's Studies</b>	2	2	25	75	100	
		<b>Total (Allied Theory only)</b>		<b>23</b>	<b>30</b>	--	--	<b>700</b>	
		<b>Total (Allied Theory cum Practical)</b>		<b>24</b>				<b>725</b>	
V	III	7BCE5C1	<b>Core – IX – Operating System</b>	4	5	25	75	100	
		7BCE5C2	<b>Core – X – Relational Database Management Systems</b>	4	5	25	75	100	
		7BCE5P1	<b>Core – XI – Relational Database Management Systems Lab</b>	4	6	<b>40</b>	<b>60</b>	100	
		7BCEE1A/ 7BCEE1B	<b>Elective–I–A) Data Mining and Data Warehousing (or) B)WEB Design</b>	5	5	25	75	100	
		7BCEE2A/ 7BCEE2B	<b>Elective–II– A) Digital Principles and Computer Organization (or) B) Microprocessor and Microcontroller</b>	5	5	25	75	100	
	IV	7SBS5A4/ 7SBS5A5/ 7SBS5A6/ 7SBS5A7	<b>(2) Skill Based Subjects – I</b>	2	2	25	75	100	
			<b>(2) Skill Based Subjects – I</b>	2	2	25	75	100	
			<b>Total</b>		<b>26</b>	<b>30</b>	--	--	<b>700</b>
	VI	III	7BCE6C1	<b>Core – XII –Computer Networks</b>	4	5	25	75	100
			7BCE6C2	<b>Core – XIII – Computer Graphics</b>	4	5	25	75	100
7BCE6C3			<b>Core – XIV – Software Engineering</b>	4	5	25	75	100	
7BCE6PR			<b>Core–XV–Project Work &amp; Viva-Voce</b>	4	6	<b>40</b>	<b>60</b>	100	
7BCEE3A/ 7BCEE3B			<b>Elective – III – A) VB.NET and ASP.NET programming (or) B) Programming with Linux, Apache, MySQL, and PHP (LAMP)</b>	5	5	25	75	100	
IV		7SBS6B4/	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100	

		7SBS6B5/ 7SBS6B6/ 7SBS6B7	<b>(2) Skill Based Subjects – II</b>	2	2	25	75	100
<b>Total</b>				<b>25</b>	<b>30</b>	--	--	<b>700</b>
<b>Grand Total</b>				<b>140</b>	<b>180</b>	--	--	<b>4100</b>