

**BHARATHIAR UNIVERSITY::COIMBATORE 641 046**

**B. Sc. Information Technology (CBCS PATTERN)**

(For the students admitted from the academic year 2022-2023 and onwards)

**Scheme of Examination**

Part	Title of the Course	Hours/ Week	Examination				Credits
			Duration in Hours	Maximum Marks			
				CIA	CEE	Total	
<b>Semester I</b>							
I	Language - I	6	3	50	50	100	4
II	English - I	6	3	50	50	100	4
III	Core Paper I Computing Fundamentals and C Programming	4	3	50	50	100	4
III	Core Paper II Digital Fundamentals and Computer Architecture	4	3	50	50	100	4
III	Core Practical – I Programming Lab - C	3	3	50	50	100	4
III	Allied A: Paper I Mathematical Structures for Computer Science	5	3	50	50	100	4
IV	Environmental Studies*	2	3	-	50	50	2
<b>Total</b>		<b>30</b>		<b>300</b>	<b>350</b>	<b>650</b>	<b>26</b>
<b>Semester II</b>							
I	Language – II	6	3	50	50	100	4
II	English – II &	4	3	25	25	50	2
	Naan Mudhalvan Courses Effective English & <a href="http://kb.naanmudhalvan.in/images/c/c7/Cambri&lt;br/&gt;dge_Course_Details.pdf">http://kb.naanmudhalvan.in/images/c/c7/Cambri dge_Course_Details.pdf</a>	2		25	25	50	2
III	Core Paper 3: C++ Programming	5	3	50	50	100	4
III	Core Lab 2: Programming Lab - C++	4	3	50	50	100	4
III	Core Lab 3: Internet Basics	2	3	25	25	50	2
III	Allied A: Paper II Discrete Mathematics	5	3	50	50	100	4
IV	Value Education – Human Rights*	2	3	-	50	50	2
<b>Total</b>		<b>30</b>		<b>275</b>	<b>325</b>	<b>600</b>	<b>24</b>
<b>Semester III</b>							
I	Language – III	4	3	50	50	100	4
II	English – III &	4	3	25	25	50	2
III	Core Paper 4: Data Structures	4	3	50	50	100	4
III	Core Paper 5: Java Programming	4	3	50	50	100	3
III	Core Lab 4: Programming Lab - Java	3	3	25	25	50	2
III	Allied B: Paper I Microprocessor & ALP	5	3	25	25	50	2
III	Skill based Subject1: Introduction to web design & Applications	4	3	30	45	75	3
IV	Tamil** / Advanced Tamil* (OR) Non-major elective - I (Yoga for Human Excellence)* / Women's Rights*	2	3	-	50	50	2
<b>Total</b>		<b>30</b>		<b>255</b>	<b>320</b>	<b>575</b>	<b>21</b>
<b>Semester IV</b>							
I	Language – IV	4	3	50	50	100	4
II	English – IV	4	3	25	25	50	2
III	Core Paper 6: System Software and Operating	<b>4</b>	3	50	50	100	<b>3</b>
III	Core Paper 7: Linux and Shell Programming	<b>3</b>	3	50	50	100	<b>3</b>
III	Core Lab – 5: Linux and Shell Programming	3	3	25	25	50	2

	Naan Mudhalvan Courses Office Fundamentals - Lab*** <a href="http://kb.naanmudhalvan.in/Bharathiar_University_(BU)">http://kb.naanmudhalvan.in/Bharathiar_University_(BU)</a>	3	-	25	25	50	2
III	Allied 4: Business Accounting	4	3	25	25	50	2
III	Skill based Subject 2 Lab: HTML, XML and JavaScript- Lab	3	3	25	25	50	2
IV	Tamil**/Advanced Tamil* (OR) Non-major elective -II (General Awareness*)	2	3	-	50	50	2
	<b>Total</b>	<b>30</b>		<b>275</b>	<b>325</b>	<b>600</b>	<b>22</b>
<b>Semester V</b>							
III	Core8:RDBMS & Oracle	6	3	50	50	100	4
III	Core9:Visual Basic	6	3	50	50	100	4
III	Core6:Programming VB & Oracle lab	6	3	25	25	50	4
III	Elective - I Soft Computing/ Animation Techniques / Business Intelligence	6	3	50	50	100	4
III	Skill based Subject 3: Dot Net Programming	6	3	30	45	75	3
	<b>Total</b>	<b>30</b>		<b>205</b>	<b>220</b>	<b>425</b>	<b>19</b>
<b>Semester VI</b>							
III	Core 10: Graphics & Multimedia	5	3	50	50	100	4
III	Core 11: Project Work Lab % %	5	3	60	90	150	6
	Naan Mudhalvan–Skill Course - Cyber Security @ <a href="http://kb.naanmudhalvan.in/images/7/71/Cybersecurity.pdf">http://kb.naanmudhalvan.in/images/7/71/Cybersecurity.pdf</a> (or) Machine Learning # <a href="http://kb.naanmudhalvan.in/images/1/19/PBL_Google.pdf">http://kb.naanmudhalvan.in/images/1/19/PBL_Google.pdf</a> (or) Android APP Development \$ <a href="http://kb.naanmudhalvan.in/images/0/08/Android_App_Dev.pdf">http://kb.naanmudhalvan.in/images/0/08/Android_App_Dev.pdf</a>	2		25	25	50	2
III	Core Lab 7: Programming Lab – Graphics & Multimedia		3	25	25	50	3
III	Elective-II : Network Security and Administration/ Mobile Computing / Python programming	5	3	50	50	100	4
III	Elective III Internet of Things (IoT)/ Component Technology/ E-Commerce	5	3	50	50	100	4
III	Skill Based Subject 4 (Lab) : Dot Net Lab	3	3	25	25	50	2
V	Extension Activities**	-	-	50	-	50	2
	<b>Total</b>	<b>30</b>		<b>335</b>	<b>315</b>	<b>650</b>	<b>27</b>
	<b>Grand Total</b>			<b>1645</b>	<b>1855</b>	<b>3500</b>	<b>140</b>

**Note:**

*	No Continuous Internal Assessment (CIA), University Examinations Only.
**	No University Examinations, Continuous Internal Assessment (CIA) Only.
***	Naan Mudhalvan – Skill courses- external 25 marks will be assessed by Industry and internal will be offered by respective course teacher.
# Govt – Non-Autonomous Colleges, \$ Aided – Non-Autonomous Colleges, @ Self - Financing (Non – Autonomous).	

& The English II- University semester examination will be conducted for 50 marks (As per existing pattern of Examination) and it will be converted for 25 marks.

