

**BHARATHIAR UNIVERSITY::COIMBATORE 641 046**

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

*(For the students admitted from the academic year 2023-2024  
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	4	3	25	75	100	4
II	English - I	4	3	25	75	100	4
III	Core Paper I Computing Fundamentals and C Programming	5	3	25	75	100	4
III	Core Paper II Digital Fundamentals and Computer Architecture	5	3	25	75	100	4
III	Core Practical – I Programming Lab - C	5	3	40	60	100	4
III	Allied A: Paper I Mathematical Structures for Computer Science	5	3	25	75	100	4
IV	Environmental Studies*	2	3	-	50	50	2
	<b>Total</b>	<b>30</b>		<b>165</b>	<b>500</b>	<b>650</b>	<b>26</b>
<b>Semester II</b>							
I	Language – II	4	3	25	75	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	25	75	100	4
III	Core Lab 2: Programming Lab - C++	5	3	20	30	50	2
III	Core Lab 3: Internet Basics	3	3	20	30	50	2
III	Allied A: Paper II Discrete Mathematics	5	3	25	75	100	4
IV	Value Education – Human Rights*	2	3	-	50	50	2
	<b>Total</b>	<b>30</b>		<b>165</b>	<b>385</b>	<b>550</b>	<b>22</b>
<b>Semester III</b>							
I	Language – III	4	3	25	75	100	4
II	English – III	4	3	25	75	100	4
III	Core Paper 4: Data Structures	4	3	25	75	100	4
III	Core Paper 5: Java Programming	4	3	25	75	100	4
III	Core Lab 4: Programming Lab - Java	3	3	20	30	50	2
III	Allied B: Paper I Microprocessor & ALP	5	3	25	25	50	2
III	Skill based Subject I: 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>175</b>	<b>450</b>	<b>625</b>	<b>25</b>

<b>Semester IV</b>							
I	Language – IV	4	3	25	75	100	4
II	English – IV	4	3	25	25	50	2
III	Core Paper 6: System Software and Operating System	4	3	25	75	100	4
III	Core Paper 7: Linux and Shell Programming	4	3	25	75	100	3
III	Core Lab – 5: Linux and Shell Programming Lab	3	3	20	30	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>	2	-	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>195</b>	<b>405</b>	<b>600</b>	<b>23</b>
<b>Semester V</b>							
III	Core8:RDBMS & Oracle	6	3	25	75	100	4
III	Core9:Visual Basic	6	3	25	75	100	4
III	Core6:Programming VB & Oracle lab	6	3	30	45	75	4
III	Elective - I Soft Computing/ Animation Techniques / Business Intelligence	6	3	25	75	100	4
III	Skill based Subject 3: Dot Net Programming	6	3	30	45	75	3
	<b>Total</b>	<b>30</b>		<b>135</b>	<b>315</b>	<b>450</b>	<b>19</b>
<b>Semester VI</b>							
III	Core 10: Graphics & Multimedia	5	3	25	75	100	4
III	Core 11: Project Work Lab %%	5	3	25	75	100	4
	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	5	3	30	45	75	3
III	Elective-II : Network Security and Administration/ Mobile Computing / Python programming	5	3	25	75	100	4

III	Elective III : Internet of Things (IoT)/ Component Technology/ E-Commerce	5	3	25	75	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>230</b>	<b>395</b>	<b>625</b>	<b>25</b>
	<b>Grand Total</b>			<b>1065</b>	<b>2435</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 marks (CEE) 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). <b>(For theory : CIA – 12, CEE – 38; For Practical : CIA – 20, CEE – 30).</b>	