

**BHARATHIAR UNIVERSITY::COIMBATORE 641 046**

**B. Sc. Digital and Cyber Forensic Science (CBCS PATTERN)**

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

**Scheme of Examination**

Part	Title of the Course	Hours /	Examination				Credits
			Duration in	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	Core1:Programming in C	4	3	50	50	100	4
III	Core Lab 1: Programming Lab – C	4	2	50	50	100	4
	Core 2:Data structures	3	3	50	50	100	4
III	Allied 1:Introduction to Linear algebra	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	Core3: Programming in C++	5	3	50	50	100	4
III	Core Lab2: Programming Lab –C++	4	3	50	50	100	4
III	Core Lab3: Internet Basics Lab	2	3	25	25	50	2
III	Allied 2: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 4: Python Programming	4	3	50	50	100	4
III	Core Lab 4: Python Programming Lab	4	3	50	50	100	3
III	Core 5: Introduction to cyber crime	3	3	25	25	50	2
III	Allied 3: Software Security	5	3	25	25	50	2
III	Skill based Subject1 :Cyber Law	4	3	30	45	75	3
IV	Tamil **/ Advanced Tamil* (OR)Non-major elective-1 (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 6: Digital Forensics	<b>4</b>	3	50	50	100	<b>3</b>
III	Core 7: Cyber Security	<b>3</b>	3	50	50	100	<b>3</b>
III	Core Lab 5:Forensics Lab	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: Intellectual Property Rights and Privacy	4	3	25	25	50	2
III	Skill Based Subject 2: Capstone Project Work Phase I	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	Core 8: Linux System Administration	6	3	50	50	100	4
III	Core Lab 6: Linux System Administration	6	3	50	50	100	4
III	Core 9 : Mobile and Network forensics	6	3	25	25	50	4
III	Elective - I Network Security and Management/Artificial Neural Network and	6	3	50	50	100	4
III	Skill Based Subject 3: Capstone Project Work	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 : Cryptography and Network Security	5	3	50	50	100	4
III	Core Lab 7 : Cryptography and Network Security Lab	5	3	60	90	150	6
III	Core 11: Project Work Lab	2					
	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>	5	3	25	25	50	3
III	Elective - II Cyber Policing / Web Application Security/ Malware Analysis and Cyber Threat Intelligence	5	3	50	50	100	4
III	Elective - III Client Server Computing/Open Source Software/Principles of Source Coding	5	3	50	50	100	4
III	Skill based Subject 4 : Ethical Hacking	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.

