

**BCA (HONS.) / (HONS. WITH RESEARCH) SCHEME OF CURRICULUM W.E.F. :-2023-2024**

Course Code	Course Name	L	T	P	CREDIT
<b>Semester-I</b>					
130001103	Basic Mathematics-I	2	0	0	2
139901101	Programming In C	4	0	0	4
139901102	Computer Fundamental And Emerging Technology	3	0	2	4
139901103	Networking And Internet Environment	4	0	0	4
139901104	Practical Based On 139901101 & 139901103	0	0	8	4
130001102	Environmental Science	2	0	0	2
130001101	Foundation Course In English	2	0	0	2
	<b>TOTAL</b>	<b>17</b>	<b>0</b>	<b>10</b>	<b>22</b>
<b>Semester-II</b>					
139902201	Advanced C And Data Structure	4	0	0	4
130002203	Discrete Mathematics	2	0	0	2
139902202	Database Management System	4	0	0	4
130002201	Soft Skills And Personality Development	2	0	0	2
139902203	Basics Of Web Technology	3	0	2	4
130002202	Yoga & Wellness	1	0	2	2
130002204	Practical Based On 139902201 & 139902202	0	0	8	4
	<b>TOTAL</b>	<b>16</b>	<b>0</b>	<b>12</b>	<b>22</b>
<b>Semester-III</b>					
139903301	Object Oriented Programming With C++	4	0	0	4
139903302	Web Technology Using PHP	4	0	0	4
139903303	Practical Based On 139903301 & 139903302	0	0	8	4

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Course Code	Course Name	L	T	P	CREDIT
139903304	Logical & Critical Thinking	2	0	0	2
139903305	Enterprise Resource Planning	2	0	0	2
139903306	Software Project Management	2	0	0	2
	<b>ELECTIVE-I</b>	3	0	0	3
139903307	Machine Learning Fundamentals				
139903312	Introduction To Decentralized Finance				
	<b>ELECTIVE-II</b>	3	0	2	4
139903308	Data Analytics And Visualization Tools				
139903310	Cryptocurrency And Digital Ledgers				
	<b>TOTAL</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>25</b>
<b>Semester - IV</b>					
139904401	Linux Programming System	4	0	0	4
139904402	Basics Of Java Programming	4	0	0	4
139904403	Practical Based On 13990401 & 13990402	0	0	8	4
139904404	Operating System	3	0	2	4
139904406	Data Warehouse And Data Mining	1	0	2	2
139904405	Search Engine Optimization	1	0	2	2
	<b>ELECTIVE-I</b>	1	0	2	2
139904415	Deep Learning Fundamentals				
139904416	Open Source Machine Learning Tools				
139904407	Enterprise Blockchain Application And Hyper Ledger				
139904408	Programming Fundamentals: Golang				

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	<b>TOTAL</b>	<b>14</b>	<b>0</b>	<b>16</b>	<b>22</b>
<b>Semester - V</b>					
139905501	Fundamental Programming With Python	4	0	0	4
139905502	Computer Organization & Architecture	4	0	0	4
139905503	Advanced Java	4	0	0	4
139905504	Mobile Computing Using Android	3	0	2	4
139905505	Practical Based On 139905503 & 139905501	0	0	8	4
	<b>ELECTIVE-I</b>	2	0	0	2
139905506	Essentials Of Software Testing				
139905507	Introduction To Internet Of Things (Iot)				
139905508	Ethical Hacking And Information Security				
	<b>TOTAL</b>	<b>17</b>	<b>0</b>	<b>10</b>	<b>22</b>
<b>Semester - VI</b>					
139906601	Theory Of Computation	4	0	0	4
139906602	Cryptography And Network Security	4	0	0	4
139906603	Indian Constitution & Social Responsibility	2	0	0	2
139906604	Relational Database Management System (RDBMS)	4	0	0	4
139906605	Practical Based On Cryptography And Network Security & Relational Database	0	0	8	4
	<b>ELECTIVE -I</b>	4	0	0	4
139906606	Fundamentals Of Digital Marketing				
139906607	.Net Application Development Using C#				
139906608	Business Intelligence And Analytics				

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	<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>22</b>
<b>Semester - VII (Hons.)</b>					
139907701	Cyber Hygiene	4	0	0	4
139907702	Devops Tools And Practices	4	0	0	4
139907703	Cloud Technology And Applications	4	0	0	4
139907704	Practical Based On Cloud Technology And Applications/ Devops Tools And Practices	0	0	8	4
139907705	Internship-I	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>0</b>	<b>14</b>	<b>22</b>
<b>Semester - VII (Hons. with Research)</b>					
139907706	Research Methodology	4	0	0	4
139907707	Practical Based On 139907708 & 139907709	0	0	8	4
139907708	Big Data Analytics: Concepts And Applications	4	0	0	4
139907709	Nlp In Real-World Applications	4	0	0	4
139907710	Research Project-I	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>0</b>	<b>14</b>	<b>22</b>
<b>Semester - VIII (Hons.)</b>					
139908801	Data Analytics Using R	4	0	0	4
139908802	Object-Oriented Analysis And Design With Uml	4	0	0	4
139908803	Wireless & Mobile Computing	4	0	0	4
139908804	Practical Based On Data Analytics Using R & Object-Oriented Analysis And Design With	0	0	8	4
139908805	Internship-II	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>0</b>	<b>14</b>	<b>22</b>

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<b>Semester - VIII (Hons. with Research)</b>					
139908806	Research Methodology: Problem Interpretation And Reporting	4	0	0	4
139908807	Time Series Analysis & Forecasting	4	0	0	4
139908808	Practical Based On Time Series Analysis & Forecasting & Speech Recognition With Ai	0	0	8	4
139908809	Speech Recognition With Ai Tools	4	0	0	4
139908810	Research Project-II	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>0</b>	<b>14</b>	<b>22</b>