

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

Course Code	Course Name	L	T	P	CREDIT
<b>Semester-I</b>					
050701104	Practical Based On 050701101 & 050701103	0	0	8	4
050001103	Basic Mathematics-I	2	0	0	2
050701101	Programming In C	4	0	0	4
050701102	Computer Fundamental And Emerging Technology	3	0	2	4
050701103	Networking And Internet Environment	4	0	0	4
050001102	Environmental Science	2	0	0	2
050001101	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>					
050702201	Advanced C And Data Structure	4	0	0	4
050002202	Logical & Critical Thinking	2	0	0	2
050702202	Database Management System	4	0	0	4
050702203	System Analysis & Design	4	0	0	4
050002203	Discrete Mathematics	2	0	0	2
050002201	Soft Skills And Personality	2	0	0	2
050702204	Practical Based On 050702201 & 050702202	0	0	8	4
	<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>22</b>
<b>Semester-III</b>					
050703301	Object Oriented Programming With C++	4	0	0	4
050703302	Web Technology Using PHP	4	0	0	4
050703303	Practical Based On 050703301 And 050703302	0	0	8	4
050703306	Software Project Management	2	0	0	2

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Course Code	Course Name	L	T	P	CREDIT
050703305	Enterprise Resource Planning	2	0	0	2
050703304	Yoga & Wellness	1	0	2	2
	<b>ELECTIVE-I</b>	3	0	0	3
050703307	Introduction To Artificial Intelligence				
050703308	Cyber Crime And Cyber Law				
050703312	Data Analytics And Visualization				
	<b>TOTAL</b>	<b>16</b>	<b>0</b>	<b>10</b>	<b>21</b>
<b>Semester - IV</b>					
050704401	Basic Of Java Programming	4	0	0	4
050704402	Linux Programming System	4	0	0	4
050704403	Practical Based On 050704401 & 050704402	0	0	8	4
050704404	Operating System	3	0	2	4
050704405	Cloud Computing Fundamental	1	0	2	2
050004409	Basics Of Software Testing	1	0	2	2
	<b>ELECTIVE-I</b>	1	0	2	2
050704407	Data Warehousing And Mining Tools				
050704408	Machine Learning Algorithm				
050704406	Penetration Testing Tools				
	<b>TOTAL</b>	<b>14</b>	<b>0</b>	<b>16</b>	<b>22</b>
<b>Semester - V</b>					
050705501	Programming In Python	4	0	0	4
050705502	Cryptography And Network Security	4	0	0	4
050705503	Introduction To Data Science	4	0	0	4
050705504	Relational Database Management System	4	0	0	4

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050705505	Practical Based On 050705501 & 050705504	0	0	8	4
	<b>ELECTIVE-I</b>	1	0	2	2
050705506	Social Media Marketing And Strategy				
050705507	Introduction To Internet Of Things (Iot)				
050705508	Ethical Hacking And Information Security				
	<b>TOTAL</b>	<b>17</b>	<b>0</b>	<b>10</b>	<b>22</b>
<b>Semester - VI</b>					
050706601	Indian Constitution & Social Responsibility	2	0	0	2
050706602	Practical Based On 050706604 & 050706605	0	0	8	4
050706603	Information Security And Cyber Law	4	0	0	4
050706604	Advance Java	4	0	0	4
050706605	Introduction To R Programming	4	0	0	4
	<b>ELECTIVE -I</b>	4	0	0	4
050706606	Fundamentals Of Digital Marketing				
050706607	Computerized Accounting Using Tally				
050706608	Business Intelligence And Analytics				
	<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>8</b>	<b>22</b>
<b>Semester - VII (Hons.)</b>					
050707701	Software Engineering	4	0	0	4
050707702	Practical Based On 050707703 & 050707704	0	0	8	4
050707703	Computer Graphics And Visualization	4	0	0	4
050707704	Mobile Application Development With Android.	4	0	0	4
050707705	Internship-I	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>0</b>	<b>14</b>	<b>22</b>

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Course Code	Course Name	L	T	P	CREDIT
<b>Semester - VII (Hons. with Research)</b>					
050707706	Research Methodology	4	0	0	4
050707707	Practical Based On 050707708 & 050707709	0	0	8	4
050707708	Introduction To Big Data Analytics	4	0	0	4
050707709	Foundations Of Deep Learning	4	0	0	4
050707710	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>					
050708801	E-Commerce Technologies And It'S Applications	4	0	0	4
050708802	Blockchain Fundamentals And Technologies	4	0	0	4
050708803	Practical Based On 050708802 & 050708804	0	0	8	4
050708804	Digital Image Analysis And Processing	4	0	0	4
050708805	Internship-II	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>0</b>	<b>14</b>	<b>22</b>
<b>Semester - VIII (Hons. with Research)</b>					
050708806	Research Methodology: Problem Interpretation And Reporting	4	0	0	4
050708807	Blockchain Fundamentals And Technologies	4	0	0	4
050708808	Practical Based On 050708807 & 050708809	0	0	8	4
050708809	Predictive Analytics And Data Modeling	4	1	0	4
050708810	Research Project-II	0	0	6	6
	<b>TOTAL</b>	<b>12</b>	<b>1</b>	<b>14</b>	<b>22</b>