

# BCA

## Program Structure

1 <sup>st</sup> SEMESTER							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Courses</b>							
1	CAP052C101	Fundamentals of Computer Science	3	1	0	4	4
2	CAP052C102	Introduction to C Programming	3	1	0	4	4
3	CAP052C103	Digital Logic and Computer Design	3	1	0	4	4
4	CAP052C114	C Programming Lab	0	0	4	2	4
5	CAP052C115	Office Automation Lab	0	0	4	2	4
<b>GE</b>							
6	BSA032G106	Principles of Management	3	0	0	3	3
7	MAT012G107	Basic Mathematics	3	0	0	3	3
<b>AECC</b>							
8	BHS992A105	Concepts of Behavioural Science	1	0	0	1	1
9	CEN102A101	Developing Oral Communication and Listening Skills	1	0	0	1	1
<b>TOTAL</b>						<b>24</b>	<b>28</b>
2 <sup>nd</sup> SEMESTER							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Courses</b>							
1	CAP052C201	Computer Organization and Architecture	3	1	0	4	4
2	CAP052C202	Introduction to Data Structures	3	1	0	4	4
3	CAP052C03	Object Oriented Programming using C++	3	1	0	4	4
4	CAP052C214	Introduction to Data Structures Lab	0	0	4	2	4
5	CAP052C215	Object Oriented Programming using C++ Lab	0	0	4	2	4
<b>GE</b>							
6	BSA032G206	Organizational Behaviour	3	0	0	3	3
7	MAT012G207	Discrete Mathematics	3	0	0	3	3
<b>AECC</b>							
8	BHS992A205	Understanding Self and Others	1	0	0	1	1
9	CEN102A201	Conversation and Public Speaking	1	0	0	1	1
<b>TOTAL</b>						<b>24</b>	<b>28</b>
3 <sup>rd</sup> SEMESTER							
Sl. No.	Sub Code	Names of subjects	L	T	P	C	TCP
<b>Core Courses</b>							
1	CAP052C301	JAVA Programming	3	1	0	4	4
2	CAP052C302	Introduction to Database Management Systems	3	1	0	4	4
3	CAP052C303	Data Communication	3	1	0	4	4
4	CAP052C314	JAVA Programming Lab	0	0	4	2	4
5	CAP052C315	Introduction to Database Management Systems Lab	0	0	4	2	4
<b>GE</b>							

6	COM042G306	Accountancy	3	0	0	3	3
7	COM042G317	Accountancy Lab (Tally/SAP)	0	0	4	2	4
<b>AEEC</b>							
8	CAP052S308	Open Source Software(IT)/Subjects from other depts.	2	0	0	2	2
<b>AEEC</b>							
9	EVS052A309	Environmental Sciences	2	0	0	2	2
10	CEN102A301	Career Oriented Communication	1	0	0	1	1
		<b>TOTAL</b>				<b>26</b>	<b>32</b>
<b>4<sup>th</sup> SEMESTER</b>							
<b>Sl. No.</b>	<b>Sub Code</b>	<b>Names of subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>TCP</b>
<b>Core Courses</b>							
1	CAP052C401	Operating Systems	3	1	0	4	4
2	CAP052C402	Computer Networks	3	1	0	4	4
3	CAP052C403	Computer Graphics and Multimedia	3	1	0	4	4
4	CAP052C414	System Programming Lab	0	0	4	2	4
5	CAP052C415	Computer Graphics and Multimedia Lab	0	0	4	2	4
6	CAP052C416	Windows Programming Lab	0	0	4	2	4
<b>GE</b>							
7	ECO062G407	Economics	3	0	0	3	3
<b>AEEC</b>							
8	CAP052S408	PHP Programming (IT)/ Subjects from other depts.	2	0	0	2	2
<b>AEEC</b>							
9	CEN102A401	Communication and Presentation Skills	1	0	0	1	1
		<b>TOTAL</b>				<b>24</b>	<b>30</b>
<b>5<sup>th</sup> SEMESTER</b>							
<b>Sl. No.</b>	<b>Sub Code</b>	<b>Names of subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>TCP</b>
<b>Core Courses</b>							
1	CAP052C501	Web Technology	4	0	0	4	4
2	CAP052C512	Web Technology Lab	0	0	4	2	4
<b>DSE</b>							
3	CAP052D503	Elective I	4	0	0	4	4
4	CAP052D504	Elective II	4	0	0	4	4
5	CAP052D515	Elective I Lab	0	0	4	2	4
<b>AEEC</b>							
6	CEN102A501	Communicative English- V	1	0	0	1	1
<b>MINI PROJECT</b>							
7	CAP052C527	Mini Project	0	0	8	4	8
		<b>TOTAL</b>				<b>21</b>	<b>29</b>
<b>6<sup>th</sup> SEMESTER</b>							
<b>Sl. No.</b>	<b>Sub Code</b>	<b>Names of subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>TCP</b>
<b>Core Courses</b>							
1	CAP052C601	System Analysis and Design	4	0	0	4	4
2	CAP052C612	System Analysis and Design Lab	0	0	4	2	4
<b>DSE</b>							
3	CAP052D603	Elective III	4	0	0	4	4

<b>AECC</b>							
4	CEN102A601	Communicative English- VI	1	0	0	1	1
<b>MAJOR PROJECT</b>							
5	CAP052C625	Project	0	0	12	6	12
<b>TOTAL</b>						<b>21</b>	<b>33</b>

<b>SEMESTER</b>	<b>CREDITS</b>
<b>I</b>	<b>24</b>
<b>II</b>	<b>24</b>
<b>III</b>	<b>26</b>
<b>IV</b>	<b>24</b>
<b>V</b>	<b>21</b>
<b>VI</b>	<b>21</b>

**Total Credits=140**