

STUDY AND EVALUATION SCHEME

(SUBJECT-WISE DISTRIBUTION OF MARKS AND CORRESPONDING CREDITS)

 Name of Course: **BCA**

 Semester: **1**

S. No.	Course Category	Subject Code	Subject Name	Maximum Marks Allotted						Total Marks	Credits Allotted (Subject Wise) Period Per Week			Total Credits
				Theory Slot			Practical Slot				L	T	P	
				End Sem. Exam	Mid Sem. Exam (Two Tests' Average)	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva					
1.	CC	BCA 101	Computer Fundamentals and Applications	60	20	20	-	-	-	100	3	0	0	3
2	CC	BCA 102	Web Technologies	-	-	-	60	20	20	100	0	0	4	2
3	CC	BCA 103	Programming in C	60	20	20	60	20	20	200	2	0	4	4
4	AEC	BCA 104	Environmental Science	60	20	20	60	20	20	200	2	0	2	3
5	SEC	BCA 105	General English-1	60	20	20	60	20	20	200	2	0	2	3
6	DSE	BCA 106	Discrete Mathematics	60	20	20	-	-	-	100	3	1	0	4
7	VAC	BCA 107	Office Management Tools	-	-	-	60	20	20	100	0	0	4	2
8		NCC-0101	*NCC	60	20	20	60	20	20	200	1	0	2	*2
											Total Credits			21

*NCC is a choice-based subject. Credits will be added if the subject will be opted.

(CC- Core Competency, AEC- Ability Enhancement Course, SEC – Skill Enhancement Course, DSE- Discipline Specific Education, VAC- Value added Course)

STUDY AND EVALUATION SCHEME

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Name of Course: *BCA*

Semester: 2

S. No.	Course Category	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
				Theory Slot			Practical Slot			Total Marks	Period Per Week			
				End Sem. Exam	Mid Sem. Exam(Two Tests' Average)	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CC	BCA 201	Data Structures	60	20	20	60	20	20	200	3	0	4	5
2	CC	BCA 202	Operating System	60	20	20	-	-	-	100	3	0	0	3
3	CC	BCA 203	Object Oriented programming with C++	60	20	20	60	20	20	200	3	0	4	5
4	DSE	BCA 204	Digital Computer Principles	60	20	20	-	-	-	100	3	1	0	4
5	AEC	BCA 205	Making of Modern India	60	20	20	-	-	-	100	2	0	0	2
6	SEC	BCA 206	Computer Assembling and Repair	-	-	-	60	20	20	100	0	0	2	1
7	VAC	BCA 207	Health and Wellness	-	-	-	60	20	20	100	0	0	4	0
8		NCC-0202	*NCC	60	20	20	60	20	20	200	1	0	2	*2
											Total Credits			20

*NCC is a choice-based subject. Credits will be added if the subject will be opted.

(CC- Core Competency, AEC- Ability Enhancement Course, SEC – Skill Enhancement Course, DSE- Discipline Specific Education, VAC- Value added Course)

STUDY AND EVALUATION SCHEME

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Course : BCA

Semester: 3

S. No.	Course Code	Subject Code	Subject Name	Maximum Marks Allotted						Credits Allotted (Subject Wise)			Total Credits	
				Theory Slot			Practical Slot			Period Per Week				
				End Sem. Exam	Mid Sem. Exam (Two Tests' Average)	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva	Total Marks	L	T		P
1	CC	BCA 301	Computer System Organization	60	20	20	-	-	-	100	3	0	0	3
2	CC	BCA 302	Data Base Management System	60	20	20	60	20	20	200	3	0	4	5
3	CC	BCA 303	Java Programming	60	20	20	60	20	20	200	3	0	4	5
4	DSE	BCA 304	Numerical Methods	60	20	20	-	-	-	100	3	1	0	4
5	AEC	BCA 305	Entrepreneurship Development	60	20	20	-	-	-	100	3	0	0	3
6	SEC	BCA 306	Soft Skills	60	20	20	-	-	-	100	3	0	0	3
7	VAC	BCA 307	***Indian Constitution	60	20	20	-	-	-	100	2	0	0	2
8		NCC-0303	*NCC	60	20	20	60	20	20	200	1	0	2	*2
Total Credits														24+2(Non Grading)

*NCC is a choice-based subject. Credits will be added if the subject will be opted.

(CC- Core Competency, AEC- Ability Enhancement Course, SEC – Skill Enhancement Course, DSE- Discipline Specific Education, VAC- Value added Course) .

*** BCA307 Indian Constitution is non grading subject.

STUDY AND EVALUATION SCHEME
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Name of Course: BCA

Semester: 4

S. No.	Course Category	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
				Theory Slot			Practical Slot			Total Marks	Period Per Week			
				End Sem. Exam	Mid Sem. Exam (Two Tests' Average)	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CC	BCA 401	Web Designing with PHP	-	-	-	60	20	20	100	0	0	6	3
2	CC	BCA 402	Software Engineering	60	20	20	-	-	-	100	3	0	0	3
3	CC	BCA 403	Python Programming	60	20	20	60	20	20	200	2	0	4	4
4	DSE1	BCA 404	Computer Oriented Statistical Methods	60	20	20	-	-	-	100	3	1	0	4
5	SEC	BCA 405	Minor Project	-	-	-	60	20	20	100	0	0	4	2
6	AEC	BCA 406	****Mathematical Reasoning and Aptitude	60	20	20	-	-	-	100	2	0	0	2
7	VAC	BCA 407	Universal Human Values	60	20	20	-	-	-	100	2	0	0	2
8		NCC-0404	*NCC/**MOOC	60	20	20	60	20	20	200	1	0	2	*2
											Total Credits			18+2(Non Grading)

*NCC is a choice-based subject. Credits will be added if the subject will be opted.

** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted.

****BCA 406-Mathematical Reasoning & Aptitude is non grading subject.

**STUDY AND EVALUATION SCHEME
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Name of Course: *BCA*

Semester: 5

S. No.	Course Category	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
				Theory Slot			Practical Slot			Total Marks	Period Per Week			
				End Sem. Exam	Mid Sem. Exam	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CC	BCA 501	Network Security	60	20	20	60	20	20	200	3	0	2	4
2	CE	BCA 502	Elective I	60	20	20	-	-	-	100	4	0	0	4
3	CE	BCA 503	Elective II	60	20	20	60	20	20	200	3	0	2	4
4	DSE	BCA 504	Data Communication and Networks	60	20	20	-	-	-	100	4	0	0	4
5	SEC	BCA 505	Seminar	-	-	-	60	20	20	200	0	0	2	1
6	AEC	BCA 506	Management Information System	60	20	20	-	-	-	100	3	0	0	3
7	VAC	BCA 507	Democracy and Good Governance	60	20	20	-	-	-	100	3	00	0	0
8		NCC-0505	*NCC / ** MOOC	60	20	20	40	30	30	200	1	0	2	*2
Total Credits													20	

*NCC is a choice-based subject.

Credits will be added if the subject will be opted. (CC- Core Competency, AEC- Ability Enhancement Course, SEC – Skill Enhancement Course, DSE- Discipline Specific Education, VAC- Value added Course, CE- Core Elective)

** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted.

Electives:

Elective I	CE -501(A) AI and its applications	CE 501(B) Cloud Computing	CE 501(C) Information Retrieval
Elective II	CE-502(A) Mobile Application Development	CE502 (B) Data Analytics	CE 502 (c) Ethical Hacking Fundamentals

STUDY AND EVALUATION SCHEME

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Name of Course: **BCA**

Semester: **6**

S. No.	Course Category	Subject Code	Subject Name	Maximum Marks Allotted							Credits Allotted (Subject Wise)			Total Credits
				Theory Slot			Practical Slot			Total Marks	Period Per Week			
				End Sem. Exam	Mid Sem. Exam (Two Tests' Average)	Class Participation	End Sem. Exam	Progressive Evaluation	Internal Viva		L	T	P	
1	CC	BCA601	Data Warehousing and Mining	60	20	20	-	-	-	100	4	0	0	4
2	CE	BCA602	Elective III	60	20	20	60	20	20	200	3	0	2	4
3	CE	BCA603	Elective IV	60	20	20	-	-	-	100	4	0	0	4
4	DSE	BCA604	Mobile Computing	60	20	20	-	-	-	100	4	0	0	4
5	AEC	BCA605	Physical Education	60	20	20	60	20	20	200	2	0	2	2
6	SEC	BCA606	Major Project	-	-	-	60	20	20	100	0	0	4	2
7	VAC	BCA607	Human Resource Management	60	20	20	60	20	20	100	2	0	0	2
8		NCC-0606	*NCC /** MOOC	60	20	20	60	20	20	200	1	0	2	*2
Total Credits													22	

*NCC is a choice-based subject.

Credits will be added if the subject will be opted.

** Massive Open Online Courses (MOOC) – It is a choice-based course and credit will be added if the subject will be opted.

Electives :

Elective III	CE 602(A) Image Processing	CE 602 (B) Machine Learning	CE 602(C) Digital Forensic Essentials
Elective IV	CS 603 (A) Cyber Law	CE 603 (B) Digital Marketing	CE 603 (C) Computer Graphics & Multimedia