



# Online BCA

## Semester – 1

Sr. No.	Subject	Credits
1	Programming using C & C++	4
2	Computer System & Peripherals	4
3	Mathematics	3
4	Communication Skills	2
5	Web Development	3
6	Common Value-Added Course - 1	2
7	Common Value-Added Course - 2	2
	Total	20

## Semester – 2

Sr. No.	Subject	Credits
1	Database Management System	4
2	Software Engineering	4
3	Principles of Management	3
4	Professional Communication Skills	2
5	Open-Source Technology using PHP	3
6	Common Value-Added Course - 3	2
7	Common Value-Added Course - 4	2
	Total	20



## Semester – 3

Sr. No.	Subject	Credits
1	Operating System	4
2	Computer Network	4
3	Programming in Python	4
4	Digital Electronics	3
5	Personality Development	2
6	Web Application Development Using ASP.NET	3
	Total	20

## Semester – 4

Sr. No.	Subject	Credits
1	Data Structures & Algorithms	5
2	Category Subject (Major)	5
3	Java Programming	4
4	Category Subject (Minor)	4
5	Human Values and Professional Ethics	2
	Total	20

### Category 1: - Major in AIML Minor in IOT

Semester	Category	Subject
4	Major	Artificial Intelligence
4	Minor	Microprocessor & Microcontroller

### Category 2: - Major in CSBC Minor in AIML

Semester	Category	Subject
4	Major	Information & Network Security
4	Minor	Artificial Intelligence



## Semester – 5

Sr. No.	Subject	Credits
1	Advanced Java	5
2	Category Subject (Major)	5
3	Elective - 1	4
4	Category Subject (Minor)	4
5	Summer Internship	2
	Total	20

### Category 1: - Major in AIML Minor in IOT

Semester	Category	Subject Name
5	Major	Machine Learning
5	Minor	Cloud Computing

### Category 2: - Major in CSBC Minor in AIML

Semester	Category	Subject Name
5	Major	Cyber Security
5	Minor	Machine Learning

### Core Elective Pool

Semester	Subject	Subject Name
5	1	Data Mining & Data Warehousing
5	2	Information & Network Security
5	3	Principle of Robotics
5	4	Cloud Computing



## Semester – 6

Sr. No.	Subject	Credits
1	Compiler Design	4
2	Category Subject (Major)	4
3	Mobile Application Development	4
4	Elective - 2	4
5	Category Subject (Minor)	4
6	Project - I	4
	Total	24

### Category 1: - Major in AIML Minor in IOT

Semester	Category	Subject Name
6	Major	Deep Learning
6	Minor	Internet of Things

### Category 2: - Major in CSBC Minor in AIML

Semester	Category	Subject Name
6	Major	Block chain Technology
6	Minor	Deep Learning

### Core Elective Pool

Semester	Subject	Subject Name
6	1	Data Science
6	2	Cyber Security
6	3	Automation System
6	4	Internet of Things