

# BCA SYLLABUS

SEMESTER – 1st	SEMESTER – 2nd
Programing in C Programming in C Lab WebApplication Development WebApplication Development Lab Computer Fundamentals & Office Management Tools Office Management Tools Lab	Operating Systems Operating Systems Lab DatabaseManagement Systems DBMS Lab Computer Organization & Architecture
<b>AEC,SEC &amp; VAC is Applicable for all semester</b>	
SEMESTER – 3rd	SEMESTER – 4th
Data Structures and Algorithms DS Lab Using C Object Oriented Programming Using Java Programming Java Lab Software Engineering	PHP Programming PHP Lab Python Programming Python Lab Mathematics & Statistics
<b>MEC,SEC &amp; VAC is Applicable for all semester</b>	

SEMESTER – 5th	SEMESTER – 6th
NET Framework with C# NET with C# Lab Introduction to Data Science Data Science Lab Artificial Intelligence & Expert System	Machine Learning Machine Learning (Lab) Data Warehousing & Data Mining Data Warehousing & Data Mining Lab Data Communication & Computer Network
<b>MEC,SEC is Applicable for all semester</b>	
SEMESTER – 7th	SEMESTER – 8th
Analysis and Design of Algorithms ADA Lab Android Mobile Application Development Mobile Application Development Lab Adv. Java Programming Adv. Java Lab Druple: Content Management system Deep Learning	Big Data Analytics Big Data Lab IOT IOT Lab Network Security and Cryptography Computer Graphics Graphic Design Lab