



## Bachelor of Computer Applications (BCA)

### ONLINE DISTANCE EDUCATION

**About University:** - Is an institute of higher education deemed to be university located in New Delhi, India. It is a government-funded university. Established in 1989. In 2019 it was awarded the institute of Eminence Status by Ministry of Human Resources Development.

### **Ranking**

QS World University Ranking ranked Jamia Hamdard 301-350 in Asia in 2020

National Institutional Ranking Framework (NIRF): - 21<sup>st</sup> among universities and first in the pharmacy

### **Program Objective**

The Program aims to meet the manpower requirement of the fast developing software industry. Students are exposed to all aspects of computer applications. Practical skills are provided in website development.



#### **Duration of the program**

3 Years (6 Semesters)

#### **Eligibility**

10+2 pass or equivalent from a recognized board

#### **Course Fees**

16500/- per semester.

#### **Program Structure:**

## **First Semester**

<b>Course code</b>	<b>Title of the Course</b>
BCA-D-101	Introduction to 'C' Programming
BCA-D-102	Computer System Architecture
BCA-D 103	Mathematical Foundation of Computer Science
BCA-D 104	Communication Skills
BCA-D 105	Media and Information Literacy Communication
BCA-D 106	C' Programming Lab
BCA-D 107	Computer System Architecture Lab

## **Second Semester**

<b>Course code</b>	<b>Title of the Course</b>
BCA-D 201	Introduction to Data Structures
BCA-D 202	Data communication and Computer Networks Basics
BCA-D 203	Fundamental Concepts of Operating Systems
BCA-D 204	Elementary Physics
BCA-D 205	Data Structures Lab
BCA-D 206	Unix/Linux Lab
BCADES	Environmental Sciences

### **Third Semester**

<b>Course code</b>	<b>Title of the Course</b>
BCA-D 301	BCAD - Introduction to Object Oriented Programming
BCA-D 302	Introduction to Database Management System
BCA-D 303	Discrete Structures
-	PE – 1
BCA-D 304	'C++' Programming Lab
BCADB 305	Database Management System Lab

### **Fourth Semester**

<b>Course code</b>	<b>Title of the Course</b>
BCA-D 401	Fundamentals of Probability and Statistics
BCA-D 403	Introduction to Artificial Intelligence
-	SEE – 1
-	OE – 1
BCA-D 403	Artificial Intelligence Lab
BCA-D 404	Lab based on SEE – 1

# **Fifth Semester**

<b>Course code</b>	<b>Title of the Course</b>
BCAD 501	Fundamentals of Software Engineering
-	PE – 2
-	SEE – 2
-	OE – 2
BCAD 502	Software Engineering Lab
BCAD 503	Lab based on SEE – 2

# **Sixth Semester**

<b>Course code</b>	<b>Title of the Course</b>
BCAD 601	Project work

# Fee Structure

	Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI
Registration/Application Fee (One Time)	₹.500/-	-	-	-	-	-
Program Fee	₹.14,000/-	₹.14,000/-	₹.14,000/-	₹.14,000/-	₹.14,000/-	₹.14,000/-
Examination Fee	₹.2,000/-	₹.2,000/-	₹.2,000/-	₹.2,000/-	₹.2,000/-	₹.2,000/-
Annual Fee	₹.16,500/-	₹.16,000/-	₹.16,000/-	₹.16,000/-	₹.16,000/-	₹.16,000/-
Total Fees	<b>₹.96,500/-</b>					