

Bachelor of Computer Applications (BCA)

Ordinance & Regulations for Bachelor of Computer Applications (BCA) course under self-financing scheme has been approved by Honøble Chancellor, Universities of Bihar vide **Letter No.: TMBU–66/2007–4343/GS(I) Dated 30-11-2007** of Governorø Secretariat, Raj Bhawan, Patna (Bihar). Centre has started BCA course from academic session 2015616 vide University Letter No: B/10734 dated 29-07-2015.

BCA is a new age degree course in the field of computer applications. The duration of the course is normally three years in semester mode based. After completion of the BCA course, students can opt for masters or they can even try for job opportunities.

Bachelor of Computer Applications is a course that is customized for students wishing to shine in the field of computers and information technology. If you are interested in computer related field, then BCA is the perfect course for you.

BCA graduates can start up their career in either Government sector or private sector since there are a lot of employment opportunities in both these sectors. This degree helps the students to get a sound knowledge on computer applications with the help of which they can have a perfect launch pad for challenging career in the field of information technology.

ELIGIBILITY FOR ADMISSION

A Candidate shall be admitted to Bachelor of Computer Applications provided he/she has passed 10+2 examination in any recognized board/ university securing at least 45% marks. Candidates must have Math as one of the subject at +2 levels.

ADMISSION PROCEDURE

Admission to the course will however be made on the basis of written test and interview to be conducted each year by the Centre.

Entrance Test:

The question paper will contain objective question of 100 marks

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| ✓ English (Grammar and Composition) | 25 Marks |
| ✓ General Knowledge and General Sciences | 25 Marks |
| ✓ Aptitude and Reasoning | 25 Marks |
| ✓ Mathematical Ability | 25 Marks |

NUMBER OF SEATS

40 (Forty) students will be admitted in accordance to reservation policy of Govt. of Bihar for SC, ST and BC (I/II).

FEES

Semester wise fees to be paid by the Candidates shall be as follows. Fee may be revised by university, if necessary:

<i>Semester</i>	<i>Course Fee</i>	<i>Caution money</i>	<i>Lab & Library</i>	<i>University Exam. Fee</i>	<i>Total</i>
<i>Semester – I</i>	6000	1000	1000	1000	9000
<i>Semester–II to VI</i>	6000	-	1000	1000	8000

STRUCTURE OF CURRICULUM

The Course curriculum is going to be framed as per instance of Honøble Chancellor's approval of regulation of BCA in semester's pattern.

BCA course shall be of Three Academic Years duration consisting of six semesters. Each semester will be of six months duration.

The course will consists of Theory Papers of 80 marks each and Practical Paper/ Project Paper of 100 marks for which there will be University examinations. Other than the internal evaluation for each Theory Paper which will be of 20 marks and will be evaluated on the basis of classroom performance and internal examinations:

Semester – I	Topic
BCA ó 101 :	Computer Fundamentals and Programming
BCA ó 102 :	Mathematics ó I
BCA ó 103 :	Mathematics ó II
BCA ó 104 :	Microsoft Office XP for Windows
BCA ó 105 :	Principles of Management
BCA ó 106 :	Programming with ANSI and Turbo C

Semester – II	Topic
BCA ó 201 :	Object-Oriented Programming with ANSI & Turbo C ⁺⁺
BCA ó 202 :	Data Structures using C and C ⁺⁺
BCA ó 203 :	Numerical Analysis
BCA ó 204 :	Digital Electronics
BCA ó 205 :	Discrete Mathematics and Financial Accounting
BCA ó 206 :	Practical

Semester – III	Topic
BCA ó 301 :	OOPs with C ⁺⁺
BCA ó 302 :	OOPs with Java
BCA ó 303 :	Computer Organization & Architecture
BCA ó 304 :	Database Management
BCA ó 305 :	Computer Graphics
BCA ó 306 :	Practical

Semester – IV	Topic
BCA ó 401 :	Operating System
BCA ó 402 :	UML and Java
BCA ó 403 :	Visual Basic Programming
BCA ó 404 :	C# Programming
BCA ó 405 :	Projects
BCA ó 406 :	Projects

Semester – V	Topic
BCA ó 501 :	Web Site Development and Commercial Application
BCA ó 502 :	Software Engineering
BCA ó 503 :	NET Programming
BCA ó 504 :	ASP.NET
BCA ó 505 :	Projects
BCA ó 506 :	Projects

Semester – VI	Topic
BCA ó 601 :	Data and Computer Communication
BCA ó 602 :	Cryptography and Network Security
BCA ó 603 :	Artificial Intelligence
BCA ó 604 :	Oracle & Developer
BCA ó 605 :	Projects
BCA ó 606 :	Projects

DRESS CODE

For Boys : Sky-blue with white stripe full-sleeve shirt,
Black trouser, Black Shoes

For Girls : Sky-blue with white stripe kurta and
Black salwar with black dupatta

For winter : Plain sweaters / blazers.

ATTENDANCE

- ✓ 75% attendance in theory as well as practical classes is compulsory.
- ✓ Participation in seminar/ work shop/ assignment is expected from the students.
- ✓ Passing in annual / internal examination is essential condition for appearing in university examination.