VIVEKANANDA GLOBAL UNIVERSITY, JAIPUR

(Established by Act 11/2012 of Rajasthan Govt. Covered u/s 2 (f) of UGC Act, 1956)

ON. **VGU**

ONLINE VGU

Entitled by UGC

CDOE
CENTRE FOR DISTANCE AND ONLINE EDUCATION

Vivekananda Global University

Online
BCA

Bachelor of Computer Application

NAAC GRADE A+
Accreditation University

UGC Entitled

AICTE

ADMISSION OPEN

ABOUT VGU

Vivekananda Global University is one of the leading private universities in India. VGU is a NAAC A+ accredited and UGC approved institution supplementing the young generation with a credible step forward in their careers. All programmes of VGU are UGC and other regulatory bodies approved. VGU is committed to providing excellence in education, research, consultancy, and the promotion of human advancement. We have set up thousands of benchmarks and created an impact on higher education unparalleled to any other. We have been proudly accoladed with the title of:

- The Most Preferred Private University Of The Year-WEST for 2 Consecutive Years.(2018/19)
- 4 Star Rated Green Campus by ASSOCHAM, India
- Acknowledged in the Forbes List 2018 Among 35 Institutes Across India
- Certified as a Global League Institute 2019-20, With rating of 4,1/5 based on the Student Satisfaction Survey

100+ Courses

5000+ Learners

25+ Incubated Start ups

1500+ Placements

APPROVALS & ASSOCIATIONS

Online Programme Entitled by UGC

Accredited by National Assessment & Accreditation Council

All India Council for Technical Education

APPROVALS & ASSOCIATIONS

Trust and Legacy built by VGU over the years is now extended to Online VGU, a state-of-the-art online higher education initiative that aims to deliver new-age degrees to learners with the promise of quality, flexibility, and accessibility. Get access to transformative knowledge at your comfort and the stellar credibility of one of the most renowned Universities in the country.

Why choose us?

Online Programme Entitled by UGC
(Certificate awarded by VGU Jaipur, rated A+ by NAAC.)

Bespoke Industry-ready specialisation
(Make yourself industry ready by learning new-age future skill specialisations)

Self-paced online degree
(Study while working. Learn from anywhere with optimum flexibility)

Mentorship with Corporates
(Have corporate coaches, Industry experts, and faculties as your mentors)

Live Sessions by Seasoned Faculties
(Enrich yourself with online classes conducted by Experienced faculties)

AI Based Virtual Proctored Examination
(Appear in the Examination from any place through online)

Career Support
(Get Career guidence from Eminent Industry Professionals)

Dedicated Learner Support Service
(Personalized support through dedicated learner support team)

BCA

Bachelor of Computer Application

Learners will gain a solid foundation in computer science, software development, and programming languages through the online Bachelor of Computer Applications (BCA) degree program. The Bachelor of Computer Applications course curriculum prepares learners for a wide range of IT-related occupations, where teamwork and problem-solving skills are essential for producing high-quality software and technological solutions. Our Online BCA provides the flexibility of learning, interactive sessions with industry experts are empowering graduates to thrive in the digital age and pursue rewarding careers in IT, all while offering the convenience of flexible online learning.

Why BCA?

Career Avenues

Software Developer/Programmer
Senior Software Developer
Database Administrator
IT Project Manager

IT Consultant
Chief Technology Officer (CTO)
IT Director
System Analyst Trainee

Elective Pool

- GENERAL
- UX DESIGN
- ARTIFICIAL INTELLIGENCE
- BLOCKCHAIN TECHNOLOGY
- DATA SCIENCE
- CTIS -CLOUD TECHNOLOGY AND INFORMATION SECURITY

Eligibility

Passed in 10+2 or equivalent in any stream from a recognized Board/ Council/ University.

Duration

3 Years/36 Months (6 Semesters) 6 yrs Maximum duration for completion

Academic Fee

₹ 19,000 / Semester
For National Applicant

₹ 38,000 / Semester
For International Applicant

Program Structure – BCA

Semester 1

Name of the Subject	Credits
Basic Mathematics	4
Fundamental of C	4
Basic Electronics	4
Principle of Programming Languages	4
Fundamentals of C Lab	4
PC Software and Automation	2
Elective 1	2
Basic Mathematics	4
TOTAL	**24**

Semester 2

Name of the Subject	Credits
Object Oriented Programming with C++	4
Data Structures and Algorithms	4
Management information system	4
Object Oriented Programming with C++ Lab	4
Data Structures Lab	4
Soft Skill and Professional Aptitude	2
Elective 2	2
TOTAL	**24**

Semester 3

Name of the Subject	Credits
Database Management Systems	4
Computer Networks	4
Internet and web application	4
Elective 3	2
Elective 4	2
Database Management Systems Lab	4
Internet & Web Programming Lab	4
TOTAL	**24**

Semester 4

Name of the Subject	Credits
Programming in Java	4
Operating Systems	4
Computer Graphics and Visualization	4
Elective 5	2
Elective 6	2
Computer Graphics Lab	4
Programming in Java Lab	4
TOTAL	**24**

Semester 5

Name of the Subject	Credits
Software Engineering	4
Software Engineering Lab	4
Python Programming	4
Python Programming Lab	4
Elective 7	2
Elective 8	2
Project Formulation and Appraisal	4
TOTAL	**24**

Semester 6

Name of the Subject	Credits
MAJOR PROJECT	10
Elective 9	2
Elective 10	2
Indian Knowledge System*	3
Universal Human Values*	3
TOTAL	**20**

* Subject to Approval

GRAND TOTAL	:	140

Name of Electives

1. UX
2. Data Science
3. Cloud Technology and Information Security
4. Block-chain Technology
5. Artificial Intelligence

Specialization 1- UX

Title	Credits
Elective 1- Introduction to UX Design	2
Elective 2- Empathy and User Research	2
Elective 3- Technology in Experience Design	2
Elective 4- Information Architecture	2
Elective 5- Interaction Design	2
Elective 6- Wireframing and Prototyping	2
Elective 7- Usability Testing	2
Elective 8- Visual Design Tools	2
Elective 9- Business, UX and Design Management	2
Elective 10- Design Thinking Application	2

Specialization 2 – Data Science

Title	Credits
Elective 1- Multimedia Systems	2
Elective 2- Mathematical Computation of Data	2
Elective 3- Introduction to Data Science	2
Elective 4- Big Data Analytics	2
Elective 5- Machine Learning	2
Elective 6- R for Data Science	2
Elective 7- Information Extraction and Retrieval	2
Elective 8- Data Mining and Prediction	2
Elective 9- Data Handling and Visualization	2
Elective 10- Software Project Management	2

Name of Electives

Specialization 3 – Cloud Technology and Information Security

Title	Credits
Elective 1- Multimedia Systems	2
Elective 2: Introduction to cryptography	2
Elective 3: Principles of Virtualisation	2
Elective4: Fundamentals of Cloud Technology	2
Elective 5- Network Security	2
Elective 6- Cloud Web Services	2
Elective 7- Database Security Fundamentals	2
Elective 8- Ethical Hacking	2
Elective 9- Infrastructure Solutions on Cloud	2
Elective 10- Software Project Management	2

Specialization 4 – Block Chain Technology

Title	Credits
Elective 1- Multimedia Systems	2
Elective 2: Introduction to cryptography	2
Elective 3- Fundamentals of blockchain technology	2
Elective 4- Distributed Ledger Technology	2
Elective 5- Solidity Programming	2
Elective 6- Smart Contract Development	2
Elective 7- Blockchain Architecture	2
Elective 8- Blockchain Platforms and Ethereum	2
Elective 9- Blockchain Economics	2
Elective 10- Software Project Management	2

Specialization 5– BCA Artificial Intelligence

Title	Credits
Elective 1- Multimedia Systems	2
Elective 2- Mathematical Computation of Data	2
Elective 3- Discrete Mathematics	2
Elective 4- Artificial Intelligence	2
Elective 5- Machine Learning	2
Elective 6- Deep Learning	2
Elective 7: Reinforcement Learning	2
Elective 8: Natural Language Processing	2
Elective 9: Chat Bot Development	2
Elective 10- Software Project Management	2

Academic Delivery Mechanisms

- **Live, Interactive Lectures by seasoned faculties**

- **Industry Expert Sessions and Webinars**

- **Pre. Recorded AV Content for Flexible Learning**

- **Asynchronous Discussion Forum to Inculcate Peer Learning**

- **Gamified Quizes, MCQ's, Case Studies, Simulations & Projects**

- **Flexibility to Learn Anytime, Anywhere through VGU-LMS**

- **24x7 Learner Support Center & Mentors**

Internal ≈ Assessment

Internal Assessment (30 Marks)

- Assignment 1 (10 Marks)
- Assignment 2 (15 Marks)
- Participation in overall Activities (5 Marks)

End Term ≈ Examination

End Term Examination (70 Marks)

- 49 MCQs (1 mark each)
- 3 Subjective Questions (7 marks each)

How to Apply?

Visit https://onlinevgu.com/ & Locate the Registration Portal

Fill your details and pay the registration fee

Pay the academic fee for the first semester/year or full program

Upload All Mandatory documents & submit your application

The university will verify your documents to confirm your admission

We help your dreams to become reality. Join our dynamic degree programs and learn out of the box from the best industry leaders.

ON.

Get in touch

Visit https://onlinevgu.com/
Admission helpline No: +91 7411015741
E-mail: admission@onlinevgu.com