

ONLINE BCA PROGRAMMES



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ABOUT CHARUSAT

Charotar University of Science and Technology – CHARUSAT has been conceived by Shri Charotar Moti Sattavis Patidar Kelavani Mandal to put India on global education map by making Charotar – the Land of Sardar Patel, a Global Education Hub.

Kelavani Mandal, established in 1994, is a non-profit premier trust of India that works with the aim to provide social service through education. The organization has a social lineage of more than 125 years.

Kelavani Mandal has been established with the distinct objective of creating state-of-the-art educational facilities. The trust is a democratically managed institution known for its transparent functioning and integrity.



MESSAGE FROM **PRESIDENT**



Shri Surendra M. Patel

President, CHARUSAT

Intelligence with Character is the true goal of Education. Knowledge gives humility, from humility, one attains Character. The Highest Education is that which makes our life in harmony with all existence.

In the context, CHARUSAT as a University has been quite distinct from day one. It strives to make Charotar – the Land of Sardar Patel the Global Education Hub through knowledge creation, augmentation, and dissemination. For the purpose, CHARUSAT dedicates its efforts towards developing synergy between industry and academia; and community upliftment through education. Importantly, CHARUSAT continually strives to focus on the future with an entrepreneurial spirit.

Further, programs at CHARUSAT enable the students not only to gain an understanding but also to develop insights in altered research areas.

Moving a step ahead towards the purpose of education, CHARUSAT aims to make its student's Job Creators and not Job Seekers.

MESSAGE FROM **VICE CHANCELLOR**



Dr. R V Upadhyay
Vice Chancellor, CHARUSAT

What distinguishes CHARUSAT from the rest of the universities is how it implements the strategy to achieve its goals. The strategy takes into consideration its own vision, its past accomplishments, its strengths & resources, & the challenges posed by the environment. Primarily, CHARUSAT Framework for Excellence focuses on the Core Performance Areas: Teaching, Learning and Assessment; Research Development and Innovation; Extension & Community Services & Core Capacity Dimensions like Good Governance, Infrastructure, Faculty Competence, and Student Talent.

Education at CHARUSAT accord with many opportunities within and beyond the classroom to acquire knowledge, to develop interests and inclinations, and to stretch the potential, all within a nurturing and conducive learning environment. To foster institutional cultural change, emphasis is placed on learning, member engagement, faculty involvement in the shared governance process, and continual improvement.

OUR PROGRAMMES BCA

DURATION: 3 YEARS | **CREDITS:** 140

COURSE OVERVIEW

The online BCA programme is aligned with CMPICA's mission to create a learning environment that fosters creativity, innovation, and critical thinking among students. The programme is designed to provide a world-class education in computer science and applications, with a focus on developing skilled professionals who can make valuable contributions to the industry and society. The programme provides opportunities for students to engage in practical and project-based learning, which helps them develop teamwork skills, leadership skills, and communication skills.

ELIGIBILITY CRITERIA

Candidate should have passed 12th standard (or equivalent) examination (any stream) with English as a subject and according to the regulations for admission decided by CHARUSAT from time to time.

PROGRAMME OBJECTIVES & SPECIFIC OUTCOMES

At the end of the programme, the student should be able to

- ☞ Analyze, evaluate and formulate workable computing solutions to real world problems using computing methods.
- ☞ Apply proficiencies of communication, teamwork and management skills with spirit of entrepreneurship.

What will you be able to do?

- ☞ Understand the requirement of computing problem and implement an effective solution.
- ☞ Successfully take up various available career options in the relevant domain

BCA CURRICULUM & SYLLABUS

SEMESTER 1

- Introduction to Computer and Programming Concept
 - Introduction to Information Technology
 - Business Communication
 - Mathematics
-

SEMESTER 2

- Object Oriented Design using UML
 - Wireless Communication and Network Security
 - Business Economics
 - Programming with C
 - C Programming Lab
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SEMESTER 3

- Software Engineering
 - Discrete Mathematics
 - Web-Enabled Business Process
 - Behavioral Science
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SEMESTER 4

- Distributed Database System
 - Data and File Structure using C
 - Data Structure Lab
 - Data Warehouse and Mining
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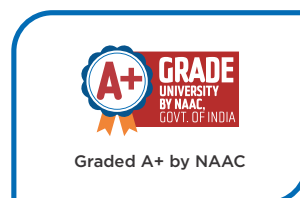
SEMESTER 5

- Computer Graphics
 - Human-Computer Interaction
 - Graph Theory and Combinatorics
 - Web Technologies
-

SEMESTER 6

- Core Java
- System Analysis and Design
- UNIX, LINUX, and Shell Programming
- Multimedia and Its Applications
- Project

ACCREDITATIONS, RANKINGS & RECOGNITIONS



WHY CHOOSE US?

01. UGC-recognized Online Degrees

02. Flexibility of learning anytime, anywhere

03. Access to top quality digital content through LMS

04. Dedicated Student Support for continuous guidance

05. Placement Assistance

06. Choice-based Credit System

INDUSTRY COLLABORATIONS & RECRUITERS





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