



Dr. Bhimrao Ambedkar University

NAAC A+, UGC-Entitled, NIRF

MCA

Type

Pg Program

Mode

Online

Duration

2 Years

Total fees

₹ 54,500

Dr. Bhimrao Ambedkar University

Dr. Bhimrao Ambedkar University's Centre for Distance & Online Education (DBRAU CDOE) provides flexible and accessible higher education through online learning. It carries forward the academic legacy of Dr. Bhimrao Ambedkar University, Agra, established in 1927. The Centre supports students, working professionals, and learners who are unable to attend regular classroom programs. DBRAU is UGC recognized and NAAC 'A+' accredited, reflecting its commitment to academic excellence. CDOE aims to make higher education affordable, inclusive, and accessible to learners across India while promoting skill development, innovation, and academic growth.

MCA

Highlights

- ◆ Features practical courses, summer training, a mini project and a final project.
- ◆ Introduces Data Warehousing & Data Mining, Computer Graphics, Image Processing and Mobile Computing.
- ◆ Includes Artificial Intelligence and Soft Computing as part of the curriculum.
- ◆ Covers programming, databases, software engineering, operating systems, networks and algorithms.
- ◆ Enables learners to pursue postgraduate computer applications education through a flexible online format.

Learning outcomes

- ◆ Develop the ability to apply programming, object-oriented concepts and data structures to computational problems.
- ◆ Build knowledge of database management, data warehousing and data mining concepts.
- ◆ Gain an understanding of software development processes, system design and structured software engineering practices.
- ◆ Develop foundational knowledge of artificial intelligence, soft computing, algorithms and optimisation techniques.
- ◆ Strengthen understanding of operating systems, computer networks, computer architecture, mobile computing and related system technologies.

Eligibility Criteria

Candidates must have passed BCA/B.Sc. (CS/IT) or graduation with Mathematics. A minimum of 50% Aggregate (45% for reserved categories).

Bridge courses available for graduates from non-IT backgrounds.

Curriculum Overview

Semester I (8 subjects)

- | | |
|---------------------------------------|-----------------------------|
| ◆ COA | ◆ Software Engineering |
| ◆ C Programming And Data Structure | ◆ Operating System Concepts |
| ◆ Human Values | ◆ Discrete Mathematics |
| ◆ Professional Ethics And Soft Skills | ◆ Practical |

Semester II (8 subjects)

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|----------------------------------|-----------------------------|
| ◆ Computer Communication Network | ◆ Open Elective-1 |
| ◆ OOPS Concepts | ◆ DBMS |
| ◆ Artificial Intelligence | ◆ Project (Summer Training) |
| ◆ Theory Of Computation | ◆ Practical |



Curriculum Overview (continued)

Semester III (8 subjects)

- ◆ Computer Graphics & Image Processing
 - ◆ Open Elective-2
 - ◆ Open Elective-3
 - ◆ Data Warehousing & Data Mining
 - ◆ Design And Analysis Of Algorithm
 - ◆ Optimization Techniques
 - ◆ Mini Project
 - ◆ Practical
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Semester IV (7 subjects)

- ◆ Soft Computing
- ◆ Compiler Design
- ◆ Open Elective-4
- ◆ Mobile Computing
- ◆ Open Elective-5
- ◆ Practical
- ◆ Project

Fee Structure

Fee heads	Year 1	Year 2	Total
Registration Fee	₹ 500	—	₹ 500
Exam Fee	₹ 3,000	₹ 3,000	₹ 6,000
Program Fee	₹ 24,000	₹ 24,000	₹ 48,000
Total	₹ 27,500	₹ 27,000	₹ 54,500