



**SAGE University Bhopal**

NAAC A, UGC-Entitled, R. World Institutional Ranking #979

# B.Tech CSE in Business Applications

Type

**Ug Program**

Mode

**Campus**

Duration

**4 Years**

Total fees

**₹ 650,000**

# SAGE University Bhopal

Explore SAGE University Bhopal NewGen Campus offering career-ready degree programs with industry integration, placement support and modern learning.

# B.Tech CSE in Business Applications

## Highlights

- ◆ Campus-supported learning with a mix of academic depth and practical exposure.
- ◆ Course themes such as Linear Algebra, Basic Electronics, Decoding Data- Learn AI, and DS & Analytics give learners a focused understanding of business applications, enterprise systems, and digital process management.
- ◆ Interactive learning helps students ask questions, collaborate, and build confidence in the subject.
- ◆ Experiential work supports application of concepts to business functions, application use cases, and digital process requirements and discipline-specific challenges.
- ◆ Relevant for learners seeking a strong start or further progression in business applications, operations support, process improvement, and digital coordination roles, including areas such as Business Analyst, Product Analyst, and Technology Consultant, with added focus on career self-awareness.

## Learning outcomes

- ◆ Within B.Tech (Business Applications) from SAGE University, Bhopal, interpret key ideas in business applications, enterprise systems, and digital process management and relate them to business functions, application use cases, and digital process requirements.
- ◆ Solve structured problems involving workflow efficiency, application selection, and business process challenges through appropriate concepts and methods.
- ◆ Assess technology choices for improving everyday business execution with attention to usability, efficiency, and alignment with business needs.
- ◆ Communicate insights through process maps, application briefs, and solution-oriented project notes suited to the discipline.
- ◆ Strengthen academic confidence and practical orientation for pathways in business applications, operations support, process improvement, and digital coordination roles, including areas such as Business Analyst, Product Analyst, and Technology Consultant, while strengthening career self-awareness.

## Eligibility Criteria

Score 40% marks to be eligible for admission

## Curriculum Overview

### Semester I (10 subjects)

- |                                                       |                                                    |
|-------------------------------------------------------|----------------------------------------------------|
| ◆ Linear Algebra                                      | ◆ Professional Development-1                       |
| ◆ Basic Electronics                                   | ◆ Introduction to AI and Data Analytics Lab        |
| ◆ Decoding Data- Learn AI&#44; ML&#44; DS & Analytics | ◆ Professional Development-1- Lab                  |
| ◆ Introduction to Problem Solving & Reasoning         | ◆ Departmental Skill Enhancement Elective Course-1 |
| ◆ General Elective- 1                                 | ◆ Certification course ( Non-Credit)               |



## Curriculum Overview (continued)

### Semester II (12 subjects)

- ◆ Calculus for Engineers
- ◆ Computation and Logical Thinking
- ◆ Applied Physics
- ◆ Data Analysis using Python
- ◆ Professional Development -2
- ◆ Applied Physics Lab
- ◆ Data Analysis using Python-LAB
- ◆ Departmental Skill Enhancement Elective Course-2
- ◆ Universal Human Values & Professional Ethics
- ◆ Professional Development-2
- ◆ Micro Project-1
- ◆ Certification course ( Non-Credit)



## Curriculum Overview (continued)

### Semester III (13 subjects)

- ◆ Operating System and Security
- ◆ Data Structure and Complexity
- ◆ DE-1
- ◆ DE-2
- ◆ Professional Development-3
- ◆ General Elective-2 ( Principles of Management & Economics)
- ◆ Operating System and Security Lab
- ◆ Data Structure and Complexity Lab
- ◆ Professional Development-3-Lab
- ◆ DE-1 Lab
- ◆ Environmental Studies and Disaster Management Lab
- ◆ Departmental Skill Enhancement- Course-3
- ◆ Certification course ( Non-Credit)



## Curriculum Overview (continued)

### Semester IV (13 subjects)

- |                                              |                                      |
|----------------------------------------------|--------------------------------------|
| ◆ Relational Data Base management system     | ◆ DE-3 Lab                           |
| ◆ Automata Theory and Computability          | ◆ DE-5 Lab                           |
| ◆ DE-3                                       | ◆ DSEEC-4                            |
| ◆ DE-4                                       | ◆ Professional Development-4 Lab     |
| ◆ DE-5                                       | ◆ Micro Project- 2                   |
| ◆ Professional Development-4                 | ◆ Certification course ( Non-Credit) |
| ◆ Relational Data Base management system Lab |                                      |



## Curriculum Overview (continued)

### Semester V (12 subjects)

- ◆ Modern Machine Learning-From ensemble to Insight (For Business Intelligence)
- ◆ DE-6
- ◆ DE-7
- ◆ DE-8
- ◆ GE-3
- ◆ Emotion and Sentiment Intelligence
- ◆ DE-6 Lab
- ◆ DE-8 -Lab
- ◆ Professional skills-1
- ◆ DSEEC-5
- ◆ Internship-1
- ◆ Certification course ( Non-Credit)

### Semester VI (11 subjects)

- ◆ Gen AI and Prompt Engineering
- ◆ DE-9
- ◆ DE-10
- ◆ DE-11
- ◆ DE-12
- ◆ Gen AI and Prompt Engineering Lab
- ◆ DE-9 Lab
- ◆ Professional Skills -2
- ◆ DSEEC -6
- ◆ Minor Project
- ◆ Certification course ( Non-Credit)



## Curriculum Overview (continued)

### Semester VII (6 subjects)

- |                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| ◆ Object Detection and Segmentation     | ◆ DE-13 Lab                             |
| ◆ DE-13                                 | ◆ DSEEC-7                               |
| ◆ Object Detection and Segmentation Lab | ◆ Internship/OJT -2( Industry Embedded) |
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### Semester VIII (1 subject)

- ◆ Industry Embedded Project work and Case studies

## Fee Structure

| Fee heads           | Year 1    | Year 2    | Year 3    | Year 4    | Total     |
|---------------------|-----------|-----------|-----------|-----------|-----------|
| Annual Academic Fee | ₹ 162,500 | ₹ 162,500 | ₹ 162,500 | ₹ 162,500 | ₹ 650,000 |
| Total               | ₹ 162,500 | ₹ 162,500 | ₹ 162,500 | ₹ 162,500 | ₹ 650,000 |