SAGE University Bhopal

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

B.Tech CSE in FinTech

Type	Mode
Ug Program	Campus
Duration	Total fees
4 Years	₹ 650,000

UNIVERSITY

SAGE University Bhopal

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

PROGRAM

B.Tech CSE in FinTech

Highlights

- Classroom or blended learning environment that supports direct engagement with AI in fintech, digital finance, and financial technology innovation.

- Experiential components help learners explore Linear Algebra, Basic Electronics, Decoding Data-Learn AI, and DS & Analytics through projects, discussions, or applied tasks.

- Encourages concept clarity, collaboration, and guided problem-solving in structured academic settings.

- Connects subject learning with digital finance products, customer data, transactions, and risk signals, making the programme more practice-oriented.

- Supports future academic and career pathways in Insurtech Product Roles, AI/ML Engineer (Finance), and Product Manager (Fintech) and related fintech strategy, digital banking, risk analytics, product innovation, and AI-enabled finance roles through a stronger applied foundation, with added focus on concept clarity.

Learning outcomes

- Within B.Tech (FinTech) from SAGE University, Bhopal, examine digital finance products, customer data, transactions, and risk signals through the lens of Linear Algebra, Basic Electronics, Decoding Data- Learn AI, and DS & Analytics.

- Use relevant tools, theories, or frameworks to address fraud detection, credit analytics, compliance, and fintech product challenges.

- Compare options and make reasoned judgements about fintech decisions that balance innovation, customer trust, risk, and regulation.

- Prepare fintech use-case briefs, AI model notes, and digital finance strategy summaries with clarity, evidence, and subject-specific vocabulary.

- Connect learning with future study, professional growth, or applied work in Insurtech Product Roles, AI/ML Engineer (Finance), and Product Manager (Fintech) and related fintech strategy, digital banking, risk analytics, product innovation, and AI-enabled finance roles, while strengthening concept clarity.

Eligibility Criteria

Score 40% marks to be eligible for admission

Curriculum Overview

Semester I (10 subjects)

- Linear Algebra
- Basic Electronics
- Decoding Data- Learn AI, ML, DS & Analytics
- Introduction to Problem Solving & Reasoning
- General Elective- 1
- Professional Development-1
- Introduction to AI and Data Analytics Lab
- Professional Development-1- Lab
- Departmental Skill Enhancement Elective Course-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
- Automata Theory and Computability
- DE-3
- DE-4
- DE-5
- Professional Development-4
- Relational Data Base management system Lab
- DE-3 Lab
- DE-5 Lab
- DSEEC-4
- Professional Development-4 Lab
- Micro Project- 2
- Certification course (Non-Credit)

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
- Object Detection and Segmentation Lab
- DE-13 Lab
- DSEEC-7
- Internship/OJT -2(Industry Embedded)

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**