



Sai College®

COURSE OUTCOMES

OF

BACHELOR OF COMPUTER SCIENCE

B.Sc (CS)

VISION

To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education, through a conducive Teaching and Learning environment, that responds swiftly to the challenges of the ever-changing world.

MISSION

- To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and hands on experience on latest tools and technologies.
- To prepare students to be continuous learners in a connected world and imbibe professional skills and ethical responsibilities in them. To strengthen the Industry-Academia interface that will help the graduates to emerge as leaders in academics or an inspiring revolutionary in entrepreneurship.

COURSE OBJECTIVES

Develop skills to learn new technology. related to algorithms, networking, web design, cloud computing, Artificial Intelligence, Mobile applications. using database technologies. Ability to express the ideas in AI research and programming language related to emerging technology.

BSc (Computer Science) Part-I

| Paper | Name of Paper |
|---------|--------------------------------|
| Paper 1 | Computer Fundamentals |
| Paper 2 | Programming using 'C' Language |

Course Outcomes

| Paper | Name of Paper | Course Outcomes |
|---------|--------------------------------|--|
| Paper 1 | Computer Fundamentals | CO 1 Gain general knowledge about computers. CO 2 Understand the CPU and its working. CO 3 Understand memory hierarchy and devices. CO 4 Learn about input and output devices. CO 5 Learn about software and functions. |
| Paper 2 | Programming using 'C' Language | CO 1 Learn about fundamentals of programming. CO 2 Learn about control structures and functions. CO 3 Learn about arrays and strings. CO 4 Learn about pointers. CO 5 Learn about file handling and miscellaneous features of 'C' Language. |

BSc (Computer Science) Part-II

| Paper | Name of Paper |
|---------|-------------------|
| Paper 1 | Computer Hardware |
| Paper 2 | Computer Software |

Course Outcomes

| Paper | Name of Paper | Course Outcomes |
|---------|-------------------|--|
| Paper 1 | Computer Hardware | CO 1 Learn about classification and |

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| | | organization of computers. CO 2 Learn about Central Processing Unit. CO 3 Learn about memory of computers. CO 4 Learn about I/O devices. CO 5 Learn about system software and programming technique. |
| Paper 2 | Computer Software | CO 1 Learn to create webpages using HTML tags. CO 2 Learn to hyperlink webpages. CO 3 Learn concepts of object-oriented programming. CO 4 Learn to create classes and inheritance. CO 5 Learn about polymorphism and file handling. |

BSc (Computer Science) Part-III

| Paper | Name of Paper |
|---------|-------------------|
| Paper 1 | Computer Hardware |
| Paper 2 | Computer Software |

Course Outcomes

| Paper | Name of Paper | Course Outcomes |
|---------|-------------------|---|
| Paper 1 | Computer Hardware | CO 1 Understand the introduction & organization of Micro-computers. CO 2 Learn about hardware organisation of Personal Computers. CO 3 Learn about organisation of OS with hardware. CO 4 Learn about handling by OS. CO 5 Learn about various versions of WINDOWS OS. |
| Paper 2 | Computer Software | CO 1 Understand the concept of DBMS and data models. CO 2 Learn about relational database |

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| | | <p>management system.</p> <p>CO 3 Learn about Oracle software.</p> <p>CO 4 Learn about GUI programming in Visual Basic.</p> <p>CO 5 Learn about database programming in Visual Basic.</p> |
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