

(059-CSE-01-02) COMPUTER SCIENCE AND BUSINESS SYSTEMS

Significance of the Program

In today's world, it is essential to design and develop computer-based applications of varying complexities to refine existing Business processes for the benefit of society. This programme enables the students to become IT professionals who are capable of using appropriate technologies in solving Business problems efficiently.

Career Options

Pursuing a Professional Course in Computer Science and Medical Engineering, students can explore the following opportunities.

- Database Administrator
- Computer Hardware Engineer
- Business Analyst
- Software Developer
- Data Analyst
- Computer Network Architect
- Web Developer
- Project Manager

Program Objectives

- To develop professionally competent engineers with good business insights.
- To impart the Knowledge of Common Business Principles
- To inculcate an Understanding of the integration of Business services with Technology.
- To provide skills required in the service-oriented software application development for businesses.

Outcomes of the Program

After the successful completion of this course, graduates will be able to

- Apply tools and techniques to transform the raw data into tangible business decisions.
- Use Data analytics tools to store, retrieve, implement and analyze data in the context of business enterprise.
- Demonstrate technical skills and leadership qualities to solve real world problems and meet the diversified needs of industry, academia and research
- Demonstrate entrepreneurial skills and qualities while solving business problems.

Major Course Outline

1. Mathematical Foundations in Computer Science
2. Software Engineering and Statistical Studies
3. Design Analysis and Analytical Thinking
4. Computer Networks & Information Security
5. Usability Design and It Project Management