Department of
COMPUTER SCIENCE AND DESIGN

ABOUT THE DEPARTMENT

The department of Computer Science and Design was introduced in the year 2022.

The department of Computer Science and Design mainly aims to develop graduates that are not only well-versed with computing approaches, its tools, and its technologies, but are also experienced with Design approaches and new Media technologies and its uses.

SCOPE

- In recent years, the rise of digital design tools has allowed designers to incorporate computer science principles and techniques into their work. In addition, computer science has also become an important field for designers who want to create interactive and dynamic products.

- The curriculum is composed of four broad requirements that include the core, breadth, depth, and a project. While the core lays a strong foundation, the breadth shall survey the areas in which computing plays a role.

- The depth shall include specialized courses in data mining, artificial intelligence, computer security, Cloud infrastructure, database technologies, Game design, Immersive design, Interaction design in addition to other applications.

HIGHLIGHTS (SPECIAL FEATURES)

The specialization culminates in the graduation project which provides a platform for applying the learnings in computer science and design to solve a problem of practical interest. Some of the major topics covered in this course include Programming Languages, Software Development, Website Construction, Image Processing, Spatial Computing, Media Computing, Animation and Graphics, Game Design and D

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SUBJECTS

Some of the subjects are:

- Object Oriented Modelling and Design
- Computer Networks
- Database Management Systems
- Artificial Intelligence and Machine Learning
- Software Engineering and Project Management
- Fullstack Development
- Computer Graphics
- Fundamentals of Image Processing
- Robotic Process Automation Design and Development
- Cloud Computing
- Multimedia Design
- Blockchain Technology
- Animation and Game Design
- Operating System Concepts and Design
- User Interface Design
- Software Architecture and Design Patterns
- Big Data Analytics
- Compiler Design
- Design Thinking
- Virtual Reality

PLACEMENT OPPORTUNITIES

> Our college has an impressive track record of providing placement opportunities to our students. Our college offers various training programs,workshops and organizes career counseling sessions to prepare students for interviews and job placements. Additionally, the department provides students with opportunities to work on real-world projects as well.

CONTACT US:

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JOB ROLES

The scope of opportunities is quite enormous in this field because of a large number of software and IT companies all over the world recruiting these professionals. Career opportunity in various disciplines such as entertainment, arts, games, digital analytics, mobile application development, web/product design, cyber security, and other interactive industries are available around the world.

Job roles include Software Engineer, Games Developer, 3D programmer, Web Developer, Programmer, Cyber-Security Consultant, Data Engineer, Database Graphics Designer, Information Systems Manager, Multimedia Programmer, Machine Learning Engineer, Mobile Application Developer and Systems Architect. Jobs in various sectors of Government Organization, IT Industry, Education, and Research are also available. Some of the recruiters who specifically look for graduates in this field of engineering are Hyperlink InfoSystem, Infosys, Zensar Technologies, TCS, Tech Mahindra, Toonz etc.

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