

159-SCI-11-03) MASTER OF COMPUTER APPLICATIONS

Significance of the Program

Master of Computer Applications (MCA) is a two-year professional post-graduate course for candidates aspiring to explore deeper into the world of Computer Application development with the help of learning modern programming language. The programme is a blend of both theoretical and practical knowledge. With this program, students will have an opportunity to work with tools meant to develop better and faster applications.

Career Options

Pursuing MCA students can explore the following opportunities

- Software Development
- Coding Expert
- Programmer
- Database administration
- Web developer

Outputs	Outcomes
<p>Master of Computer Applications program objectives are to make students</p> <ul style="list-style-type: none">• To acquire the desired technical skills to be placed in the Software industry.• To impart skill-oriented education to students in the areas of Computer Application and with training to solve real time industrial problems and application development.	<p>On the Successful completion of the MCA programme, students will be able</p> <ul style="list-style-type: none">• To design and develop industry required computer-based systems applications• To comprehend the use of advanced computing techniques and tools.• To enhance the capability to design and develop software/hardware solutions for multidisciplinary domains.

Major Course Outline

1. Data Structures and Algorithms
2. Object Oriented Programming with Java

3. Operating Systems
4. Database Management System
5. Data Communication and Networks
6. Artificial Intelligence
7. Cryptography and Network Security
8. Data Science
9. Cloud Computing
10. Data Mining & Warehousing