<p style="text-align:center">*Course Structure for*</p>

Master of Computer Application
<p style="text-align:center">*(A Six Semester Course)*</p>

<p style="text-align:center">*OFFERRED BY*</p>

<p style="text-align:center">*Department of Computer Science*
Faculty of Science
Banaras Hindu University</p>

Semester I

- C Programming
- Discrete Mathematical Structure
- Operating System
- Business Accounting
- Lab Exercises on C Programming
- PC Software Laboratory

Semester II

- Computer Organization and Architechture
- Database Management Systems
- Data and File Structures
- E-Commerce

Semester III

- Design Methods and Analysis of Algorithms
- Object Oriented Programming through JAVA
- Data Communication and Computer Networks
- Theory of Computation
- Lab Exercises on Analysis of Algorithms
- Lab Exercises on JAVA

Semester IV

- Compiler Design
- Computer Graphics
- Artificial Intelligence
- Software Engineering
- Technical Writing and Research Seminar
- Lab Exercises on Compiler Design
- Lab Exercises based on Computer Graphics

Semester V

- Parallel Computing
- Internals of UNIX OS and Network Programming
- Soft Computing Techniques
- Simulation and Modeling
- Lab Exercises on UNIX
- Lab Exercises on Parallel Computing

Semester VI

- Dissertation
- Comprehensive Viva