

Department Of Computer Science & Applications

Programme Outcome:-

- Students should be able to understanding of the basic operations of a computer system, specifically in terms of the systems' hardware and software components, use computer applications software.
- Develop ability to analyze a problem, identify and define the computing requirements, which may be appropriate to its solution.
- To prepare students to undertake careers involving problem solving using computer science and technologies.
- Develop ability to pursue advanced studies and research in computer science.
- To produce entrepreneurs who can innovate and develop software product.
- They can able to solve problems and discuss, comment on the social impact of the widespread use of computer technology and automate simple tasks in specific applications.

Programme Specific Outcome:-

The students can get the knowledge and skills during the end of the degree course.

- By goodness of the preparation they can turn into a Banking jobs, Data Entry Operator, Clerical Jobs, Government as well as Private employments and so on.
- Students will prove themselves in different professional exams like C.A., C S, CMA, TSPSC, UPSC. .
- Students will be able to do their higher education and can make research in the field of Computer Science and Applications.

| <i>S. No.</i> | <i>Semester</i> | <i>Course</i> | <i>Credits</i> | <i>Course Outcome</i> |
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| 1 | BSC (MPCs) Sem ester - I | Programm ing In C | 5 | Explore algorithmic approaches to problem solving. <ul style="list-style-type: none">• Ability to analyze a problem and devise an algorithm to solve it.• Able to formulate algorithms, pseudo codes and flowcharts for arithmetic and logical problems. |

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| | | | | <ul style="list-style-type: none"> • Ability to implement algorithms in the 'C' language. • Develop modular programs using control structures and arrays in 'C'. |
| 2 | B.Com.(CA) Sem ester – I | Information Technology | 5 | Students will be able to acquire basic knowledge in Information Technology and its applications in the areas of business |
| 3 | B.A.(HECA) & (ZCCS,MCCS) Semester - I | Programming In C | 5 | Explore algorithmic approaches to problem solving. <ul style="list-style-type: none"> • Ability to analyze a problem and devise an algorithm to solve it. Able to formulate algorithms, pseudo codes and flowcharts for arithmetic and logical problems. <ul style="list-style-type: none"> • Ability to implement algorithms in the 'C' language. Develop modular programs using control structures and arrays in 'C' |
| 4 | BSC (MPCs),B.A.(HE CA) & (ZCCS,MCCS) Sem ester - II | Programming In C++ | 5 | Able to understand the concept of object oriented programming. • Use the benefits of object oriented design and understand when it is an appropriate methodology to use. <ul style="list-style-type: none"> • Design object oriented solutions for small systems involving multiple objects. |
| 5 | B.Com.(CA) Sem ester – II | Programming with C & C++ | 5 | Explore algorithmic approaches to problem solving. <ul style="list-style-type: none"> • Ability to analyze a problem and devise an algorithm to solve it. <ul style="list-style-type: none"> • Able to formulate algorithms, pseudo codes and flowcharts for arithmetic and logical problems. <ul style="list-style-type: none"> • Ability to implement algorithms in the 'C' language. <ul style="list-style-type: none"> • Develop modular programs using control structures and arrays in 'C'. |

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| 6 | BSC (MPCs),B.A.(HE CA) & (ZCCS,MCCS) Sem ester –III | Data Structures using C++ | 5 | Understand to implement object oriented programming concepts. • Understand how to design graphical user interface in C++ programs. • Understand how to design and develop applets. • Able to design User Interface using Swing and AWT. • Understand concept of packages and study how to implement them. |
| 7 | B.Com.(CA) Sem ester - III | Relational Database Management | 5 | Able to understand database concepts and database management system software. • Analyze and design a real database application. • Develop and evaluate a real database application using a database management system. Able to develop applications using PL/SQL & front end tools.he student to develop the skill of web |

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| 8 | B.Com.(CA) Sem ester -IV | Web Technologies | 5 | The aim of this course is to provide the conceptual knowledge of web page design which enables the student to develop the skill of web page design. |
| 9 | BSC (MPCs),B.A.(HECA) & (ZCCS,MCCS) Sem ester – IV | Data Base Management System | 5 | Understand fundamental concepts of database. <ul style="list-style-type: none"> • Understand user requirements and frame it in data model. • Ability in creations, manipulation and querying of data in databases. • Ability to solve real world problems using appropriate set, function, and relational models. • Ability to design E-R Model for given requirements and convert the same into database tables. |
| 10 | B.Com.(CA) Sem ester -V | E-Commerce | 5 | To acquire conceptual and application knowledge of ecommerce. |
| 11 | BSC (MPCs),B.A.(HECA) & (ZCCS,MCCS) Sem ester - V | Programming in Java | 5 | Able to understand the concept of object oriented programming. <ul style="list-style-type: none"> • Use the benefits of object oriented design and understand when it is an appropriate methodology to use. • Design object oriented solutions for small systems involving multiple objects. |
| 12 | B.Com.(CA) Sem ester -VI | Cyber Security | 5 | Cyber Security refers to the act of protecting and ensuring the safety of computer systems and electronic devices from targeted cyber attacks, opportunist malware(-viruses,trojans and bugs) or accidental introduction of malware by users. |

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| 13 | <p>BSC (MPCs),B.A.(HECA) & (ZCCS,MCCS)</p> <p>Sem ester -M</p> | Web Technologies | 5 | <p>The aim of this course is to provide the conceptual knowledge of web page design which enables the student to develop the skill of web page design.</p> |
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