

Department of Computer Applications	
Programme Outcome	Learners will establish themselves as technically proficient human resource and enable them to solve real world problems using the knowledge of computer science. It will also develop the sense of team work, critical thinking and problem solving skills among the learners and makes them employable in the area of computer science and IT.
Programme Specific Outcome	<ul style="list-style-type: none"> <li>• Preparing learners for a career in an IT oriented business or industry.</li> <li>• Preparing learners for further study in computer science &amp; IT.</li> <li>• Enables them to understand, analyze and develop small computer programs for efficient design of computer-based systems.</li> </ul>
Course Outcomes	
Courses	Outcome
Fundamentals of Computers/IT	<ul style="list-style-type: none"> <li>• Makes learners understand the basics of computers like hardware, software, input &amp; output devices and memories.</li> <li>• Ability to understand different operating systems, applications programs and their use.</li> <li>• Ability to comprehend the different number systems and data information concepts.</li> </ul>
MS-Office	Introduces learners with word processing, worksheets, presentation graphics and basics of RDBMS.
Programming with C/C++	<ul style="list-style-type: none"> <li>• Introduces basic programming constructs of C/C++.</li> <li>• Introduces learners with basics of Object Oriented Programming using C++.</li> </ul>
Data Structures	<ul style="list-style-type: none"> <li>• Introduces learners with conceptual background of elementary and some advanced Data Structures.</li> <li>• Introduces basic searching and sorting techniques.</li> </ul>

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	<ul style="list-style-type: none"> <li>• Provides basic concepts of various hashing techniques.</li> </ul>
DBMS	<ul style="list-style-type: none"> <li>• Provides learners with knowledge of Database concepts, data model, Relational Algebra.</li> <li>• Knowledge of basic SQL queries.</li> </ul>
Data Communication & Computer Networks	<ul style="list-style-type: none"> <li>• Introduces data communication fundamentals and techniques.</li> <li>• Introduces computer networks and switching techniques and access mechanisms.</li> <li>• Introduces TCP/IP protocol suite and OSI reference model.</li> </ul>
Fundamentals of Electronics	<ul style="list-style-type: none"> <li>• Introduces learners with evolution of Electronics.</li> <li>• Introduces number systems and data representations.</li> <li>• Introduces learners to Boolean Algebra and different types of circuits</li> </ul>
Open Source Tools & Technologies	<ul style="list-style-type: none"> <li>• Introduces learners with open source tools and software and their pros and cons.</li> <li>• Introduces Linux commands and shell scripts.</li> </ul>
Computer Organization & Architecture	<ul style="list-style-type: none"> <li>• Provides basic operational concepts of the computer.</li> <li>• Introduces various types of computer instructions.</li> <li>• Introduces ALU, Control Unit &amp; I/O Organization.</li> </ul>
Operating System and its concepts	<ul style="list-style-type: none"> <li>• Introduces different Operating system concepts.</li> <li>• To learn the fundamentals of Operating Systems.</li> <li>• To learn the mechanisms of OS to handle processes and threads and their communication.</li> <li>• To learn the mechanisms involved in memory management in contemporary OS.</li> <li>• To gain knowledge on distributed operating system concepts that includes architecture, Mutual exclusion</li> </ul>

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	<p>algorithms, deadlock detection algorithms and agreement protocols.</p> <ul style="list-style-type: none"> <li>To know the components and management aspects of concurrency management.</li> </ul>
E-Commerce	This course familiarizes the learners with the mechanism for conducting business transactions through electronic means.
Skill Enhancement Courses in Computer Application.	<ul style="list-style-type: none"> <li>PC Assembly and Installation course for B.A/B.Sc Sem-III Students.</li> <li>Information Security Course for B.A/B.Sc Sem-IV Students.</li> <li>Multimedia Computing Course for B.A/B.Sc Sem-V Students.</li> <li>Website Development Tools for B.A/B.Sc Sem-VI Students.</li> </ul>

### **Attainment of Programme outcome, programme specific outcome, and course outcome**

The accomplishment of operative program outcomes, program specific outcomes and course outcomes becomes essential for the productive running of any educational institution. The course outcome helps the various stakeholders to cope the resources effectively to the extreme amount. The department lists the expectations under the Program Outcomes. The learners are expected to acquire skills to design solutions for problems with suitable consideration for the societal, cultural and environmental welfare.

To ensure the same, the institution follows the system of evaluation based on four criterion: Academic Performance, Attendance, Behavior in the campus and class room and Extra-curricular activities.

The program outcomes and program specific outcomes are evaluated by conducting class test after the culmination of each unit and arranging surprise tests and asking spontaneous questions during the lecture. The teacher compiles the marks of assessments of practical examination at the end of each semester. The teacher ensures that the awards of the practical examinations prepared are uploaded on the web portal of the affiliating University by the concerned DEO of the college. The two copies of signed awards are prepared: one for the examination cell of the college and another for the department.

The department follows a process of teaching that urges the teachers to deliver and evaluate with impartiality, zeal and dedication.

The concerned teacher frames lecture plan before the commencement of the semester class work, the copy of which is submitted with the IQAC. The academic monitoring committee of the college ensures that the classes are conducted as per the submitted lecture plan by the concerned teacher in letter and spirit.

Based on the outcomes, the learners grasp goal-setting, problem solving skills and decision making ability.