B.Sc. (I.T.) / M.Sc. (I.T.) 2nd Semester

Course : 205 : Practical 2

<table>
<tr><td>Course Code</td><td>205</td></tr>
<tr><td>Course Title</td><td>Practical 2</td></tr>
<tr><td>Credit</td><td>4</td></tr>
<tr><td>Teaching Per Week</td><td>8 Hrs</td></tr>
<tr><td>Minimum Weeks Per Semester</td><td>15 (Including Practical Work, Examination, Preparation, Holidays etc.)</td></tr>
<tr><td>Last Review/Revision</td><td>June 2023</td></tr>
<tr><td>Purpose of Course</td><td>To impart practical knowledge of structures, union, pointers, user defined functions, preprocessor directives, file management, etc. features of programming & basic database management concepts.</td></tr>
<tr><td>Course Objective</td><td>To give practical knowledge of structures, union, pointers, user defined functions, preprocessor directives, file management, etc. using C language. & database creation, management, basic database queries using MySQL.</td></tr>
<tr><td>Prerequisite</td><td>Basic knowledge of C language and Programming Concepts</td></tr>
<tr><td>Course Out comes</td><td>CO1 : Students will be able to solve problems using advanced features of C language.

CO2 : Students will be able to solve complex problems using pointers in C language.

CO3 : Students will be able to do database management operations using MySQL</td></tr>
<tr><td>Mapping between COs with PSOs</td><td><table><tr><td></td><td>PSO1</td><td>PSO2</td><td>PSO3</td><td>PSO4</td><td>PSO5</td></tr><tr><td>CO1</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CO2</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>CO3</td><td></td><td></td><td></td><td></td><td></td></tr></table></td></tr>
<tr><td>Course Outcome</td><td>Students will be able to solve problems using advanced features of C language & design MySQL database(s) along with data manipulation concepts of DBMS.</td></tr>
<tr><td>Course Content</td><td>Practical based on Paper No. 203 - Fundamentals of Programming using C-II & Paper No. 204 – Introduction to DBMS.
Weightage: 70% based on Paper No 203
30% based on Paper No 204</td></tr>
<tr><td>Reference Books</td><td>NIL</td></tr>
<tr><td>Teaching Methodology</td><td>Lab Work</td></tr>
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P. M Desai