17CS12P4 - COMPUTER PROGRAMMING LABORATORY

**(Common to CE & ME)**

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| **Course Category** | Engineering Science | **Credits** | 2 |
| **Course Type** | Practical | **Lecture – Tutorial – Practical** | 0 - 0 - 3 |
| **Prerequisite** | Basic mathematical knowledge to solve problems in analytical manner and idea on programming Methodologies. | **Sessional Evaluation** | 40 |
| **Semester End Exam Evaluation** | 60 |
| **Total Marks** | 100 |

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| **Course**  **Outcome(s)** | Upon successful completion of the course, the students will be able to:  Solve problems using C Programming concepts. |
| **Course Content** | 1. Write a C program to evaluate expressions. (3 Labs)  2. Write a C program to implement if constructs. (3 Labs)  3. Write a C program to implement Switch statement.  4. Write a C program to implement all iterative statements. (3 Labs)  5. Write a C program to implement Arrays. (2 Labs) |
| **Textbooks**  **&**  **Reference books** | **TEXTBOOK(S):**   1. Programming with ANSI & TURBO C by Ashok N.Kamthane, Pearson Education 2007.   **REFERENCE BOOKS:**   1. Let Us C by [Yashavant Kanetkar](http://www.amazon.in/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=Yashavant+Kanetkar&search-alias=stripbooks), BPB Publications. 2. Programming in ANSI C by Balaguruswamy 6th Edition, Tata McGraw Hill Education, 2012. |
| **E-Resources** | 1. <https://nptel.ac.in/courses> 2. <https://freevideolectures.com/university/iitm> |