# 17CS11P1 - BASIC COMPUTER ENGINEERING LABORATORY

(Common to CSE, IT, ECE and EEE)

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| **Course Category:** | Program Core | **Credits:** | 1 |
| **Course Type:** | Practical | **Lecture - Tutorial - Practical:** | 0-0-2 |
| **Prerequisite:** | Basic knowledge about Computer fundamentals and various hardware components. | **Sessional Evaluation:****Univ. Exam Evaluation:****Total Marks:** | 4060100 |

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| **Course Outcomes** | Upon successful completion of the course, the students will be able to: |
| CO1 | Identify the physical components of a computer system, integration and study various application soft wares. |
| **Course Content** | 1. To identify the computer hardware parts. ( 2 Labs)
2. Assembling and disassembling the system hardware components of a personal

Computer.(2 Labs)1. Installation Steps for Windows Operating System.(1 Lab)
2. To Practice on basics of Networking ( Wired and Wireless network connections)

(1 Lab)1. To Practice Basic commands of LINUX.(2 Labs)
2. To Practice Basic MS-Word features (like Formatting, Tables, Sorting, Sections etc.,) (1 Lab)
3. Create envelope labels using mail merge.(1 Lab)
4. Spread sheet experiments using EXCEL. (1 Lab)
5. To Practice on MS-Power Point.(1 Lab)
6. To Practice on MS-Access. (1 Lab)
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| **Text Books and References** | Text Books:1. Peter Norton “Introduction to Computers”, McGraw Hill Publishers, 7th Edition 2011.
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| Reference Books:1. Alex Leon and Mathews Leon “Fundamentals of Information Technology”, Vikas Publishers, 2nd Edition 1999.
2. David Cyganski & John A.Orr “Information Technology-Inside and Outside”, Pearson Education, 2002.
3. Marilyn Wolf “Computers as Components”, MK publications, 3rd Edition, 2014.
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| **E-Resources** | 1. <https://nptel.ac.in/courses>
2. <https://freevideolectures.com/university/iitm>
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