



**PBR VISVODAYA INSTITUTE OF TECHNOLOGY & SCIENCE
(AUTONOMOUS)**

(Affiliated to J.N.T.U.A, Approved by AICTE and Accredited by NAAC)
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATA STRUCTURES (DS) LAB/ DESIGN AND ANALYSIS OF ALGORITHM (DAA) LABORATORY:

The objective of **Data Structures and Algorithms Lab (DASAL)** at CSED@IET-L is to provide practical learning on various data structures and to understand the processing of different algorithm for problem-solving. This lab complements the data structures and computer algorithms courses. DASAL provides the requisite environment for design and analysis of algorithms for solving complex problems in the field of computer science. Students gain practical knowledge by writing and executing programs in C/C++/JAVA using various data structures and implementing algorithm principles. The latest platforms compilers are provided to the students to run their programs.

Objectives: To introduce students to the basic knowledge of **programming** fundamentals of different programming languages like C, Python, and Java etc. as well as advanced programming concepts required for cutting edge programming needs towards Machine Learning, Deep Learning, Big Data, Artificial Intelligence etc. During lab sessions, the student should inculcate following key attributes:

HARDWARE Facility: CPU: INTEL CORE i5 3rd GEN PROCESSOR, M72 M/B, 8GB RAM, 500GB HDD, KEYBOARD .MOUSE, IBOLL CABINET, MONITOR: 18.5” LED, UPS

SOFTWARE Facility: TURBO C, TURBO C++, WINDOWS OS, MS OFFICE

LAB PHOTOS

