



**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

COMPUTER PROGRAMMING LABORATORY:

Computer Programming Lab introduces the field of software programming to the students. Its major goal is to improve the programming abilities of students through the application of mathematics, science and engineering fundamentals for the development of software.

About Lab: Developing the program in high level language and translation into machine level language. Computer Programming lab is a hands-on project and assignment-based learning space where students will gain strong practical and technical skills in various **programming** languages including C, Python and Java, UNIX/Linux: shell, tools, utilities and **programming** environments, user interfaces, and software engineering principles. The interactive experiments in this lab will give the students an opportunity for learning and better understanding of the basic concepts and constructs of computer programming as well as advanced methodology concepts like Deep learning, Big data Technologies, Artificial Intelligence, Computational Intelligence etc.

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, 4GB RAM, 500GB HDD, KEYBOARD .MOUSE, IBOLL CABINET, MONITOR: 18.5” LED, UPS

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

LAB PHOTOS:

