

Skill Development Program

Python Programming

19-24 July 2022.

Under Asi@Connect Project

Course Features

Programming is at the core of the IT-led industrial revolution. This course inducts students to Python programming. At the end of the course, students will appreciate basic instructions, algorithms, and simple data structures and their implantation in Python. They will learn to organize a computer code, and gain practical experience with debugging, compiling and running programs in Python.

Course Contents

Introduction to Programming
Introduction to high level programming
Setting up environment: Python installation, Jupyter notebook
Values and variables: Integer and String Values, Identifiers, User Input and Program Output, String Formatting
Expression and arithmetic
Ordered Sequences (1) : String, Tuples, Lists , Mutable vs. Immutable Data types
Conditional statements : If/Else , Iterations: Loops, Nested loops
Unordered Sequences: Sets, Dictionary
Function Basics , Parameter Passing
Scope of a Variable
Recursion, Files, Exceptions



Empowering Girls to Reduce the Gender Gap in IT and ITES Sectors in South Asia Region: Training and E-Content Development Programme



About IIITDM

PDPM IIITDM Jabalpur was established by the Ministry of Education (Formerly MHRD), Government of India in 2005 with a focus on education and research in IT enabled Design and Manufacturing. Since its inception, IIITDM Jabalpur has been playing a vital role in producing quality human resources to contribute to India's mission of inclusive and sustainable growth. The Institute offers undergraduate, postgraduate and Ph.D. programs in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Smart Manufacturing, and Design, along with Ph.D. in Mathematics, Physics and English. Under the IIT act, the Institute has been declared as an Institute of National Importance.

About Asi@Connect

Asi@Connect provides dedicated high-capacity internet connectivity for research and education communities across Asia-Pacific; operating at speeds of up to 10Gbps. It currently interconnects universities and research centers in 21 countries /economics across the region. It Also connects 50 million European researches and academics served by the GEANT network and supports collaborative programmes in areas such as Earth observation, disaster warning , climate research , food security, delivery of e-health and e-learning.
The current programme is an activity under Asi@Connect to empower girls in IT/ITES sector and is sponsored by Trans-Eurasia Information Network(TEIN) & European Union.

Organized By:



PDPM Indian Institute of Information Technology, Design & Manufacturing, Jabalpur, India

In association with:



Indian Institute of Technology, Guwahati, India
Bangladesh University of Engineering Technology,
Bangladesh



Tribhuvan University, Nepal
Royal University of Bhutan, Bhutan
Kathmandu University, Nepal



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