Indian Institute of Management Indore

सिद्धिमूलं प्रबन्धनम्
भा. प्र. सं. इन्दौर
IIM INDORE

INTEGRATED PROGRAMME IN MANAGEMENT (IPM)
TERM: IX

TITLE OF THE COURSE: Python Programming
CREDITS: 2

COURSE DESCRIPTION

Python is a popular high-level programming language for general-purpose programming. There is a booming demand for data scientists skilled in Python across all industries that make this course suited for participants at all levels of experience. Python is an excellent programming language for web development as well as manipulating and analyzing data. This course is designed to give newcomers a good overview of the language including the Python basics for writing programs, importing and exporting data formats and the fundamentals of data structures.
Python also supports modules and packages, which encourages program modularity and code reuse. This course is a hand-holding course to begin exploration of python and its power for big
data analytics. Students are advised to understand other advanced topics in Python programming through other forms of learning environment viz online tutorials and online videos.

COURSE OBJECTIVES

1. LEARN TO CREATE COMMANDS AND PROGRAMS USING PYTHON PROGRAMMING SYNTAX, CONTROL STRUCTURES AND DATA STRUCTURES.
2. LEARN TO IMPORT VARIOUS DATA FORMATS IN PYTHON INTERFACE FOR ANALYSIS
3. LEARN TO TRANSFORM INPUT DATA AND EXPORT IT TO REQUISITE FORMATS
4. LEARN TO USE AND APPLY BASIC STATISTICAL PACKAGES OF PYTHON FOR ENTRY LEVEL DATA ANALYSIS AND MINING