Course No.	C-9
Name of the Course	**Programming with Python**
Type of Course (Diploma/ Certificate/ Add on	Certificate
Offered by	Department of Physics
Linkages	-
No. of hours	30 hours
Expected outcome	1. Ability to develop Python programs to solve specific problems.
Course Objective	1. To develop problem-solving skills 2. To learn programming in Python and to solve problems using computers
Brief Description	Python is an interpreted high-level general-purpose programming language. Its design philosophy emphasizes code readability with its use of significant indentation. Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.
Syllabus	Introduction to Python language, installation, variables, simple programs, functions, parameters and arguments, Boolean Expressions, logical operators and control statements Strings, lists, tuples and dictionaries, operations, Files, introduction to objects, attributes and instances, Ploting tools.

Evaluation Pattern	External Examination -100 marks (To be evaluated by examiner other than FIC) Internal Examination - Test Paper (1) -50 marks Assignment (1) -25 marks Attendance -25 marks (90% or above -25, 80%-90% -20 marks, 70%-80% -15 marks, 60%-70% -10 marks 50%-60% -5 marks, Less than 50%-0 marks, Attendance Greater than 50% is a must to attend external exam) Total -200 marks
Mode of Class	Online (Google Class room)