PNS SCHOOL OF ENGINEERING & TECHNOLOGY, MARSHAGHAI
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING
LESSON PLAN

DISCIPLINE : **CSE** SEMESTER: **5th** SUBJECT: **Python Programming Lab** NO.OF DAYS/WEEK CLASS ALLOTED: **05**		NAME OF THE TEACHING FACULTY: **Mr Biswaranjan Swain** SEMESTER FROM DATE: **15/09/2022** TO DATE: **22/12/2022** NO OF WEEKS: **14**
Week	**Class Day**	**Practical Topics**
1st	16.09.2022	Introduction to Python, Installation of Python
2nd	21.09.2022	Basic Python syntax, Create a string containing at least five words and store it in a variable
	23.09.2022	Language components
3rd	28.09.2022	Collections, Introduction, Lists, Tuples, Sets
	30.09.2022	Dictionaries, Sorting dictionaries, Copying Collections, Summary
4th	12.10.2022	Python functions
	14.10.2022	Scope, Functions- "First class Citizens", Passing functions to a function, map, filter, Lambda, Inner functions, closures, mapping functions
5th	19.10.2022	Python modules
	21.10.2022	Exceptions, Errors, Runtime errors, The exception model
6th	26.10.2022	Handling multiple Exceptions, raise, assert
	28.10.2022	Input and Output, Introduction, Data Streams, Creating Your Own Data Streams, Access Modes, Writing Data to a File
7th	02.11.2022	Reading Data From a File, Additional File Methods, Using Pipes as Data Streams, Handling IO Exceptions
	04.11.2022	Classes in Python, Principles of Object Orientation Creating Classes ,Instance Methods,File Organization Special Methods
8th	09.11.2022	Class Variables , Inheritance, Polymorphism
	11.11.2022	Regular Expressions. Introduction Simple Character Matches,Special Characters, Character Classes, Quantifiers,The Dot Character, Greedy Matches Grouping
9th	18.11.2022	Matching at Beginning or End, Match Objects, Substituting, Splitting a String, Compiling Regular Expressions , Flags
	19.11.2022	Write a program to convert the string to a list of words using the string split method, Sort the list in reverse alphabetical order
10th	23.11.2022	Sort the list into reverse alphabetical order using some of the list methods (you might need to use dir(list) or help(list) to find appropriate methods). Print out the sorted, reversed list of words.
	25.11.2022	Write a program that determines whether the number is prime.

11th	30.11.2022	Find all numbers which are multiple of 17, but not the multiple of 5, between 2000 and 2500
	02.11.2022	Swap two integer numbers using a temporary variable. Repeat the exercise using the code format: a,b=b,a
12th	07.12.2022	Find the largest of n numbers, using a user defined function largest().
	09.12.2022	Write a function my Reverse() which receives a string as an input and returns the reverse of the string.
13th	14.12.2022	Check if a given string is palindrome or no
	16.12.2022	WAP to convert Celsius to Fahrenheit
14th	21.12.2022	WAP for simple calculator

Biswaranjan Swain

Signature of the HoD

Biswaranjan Swain

Signature of the Teacher