


C.V. RAMAN POLYTECHNIC BBSR



Discipline: Diploma Branch: CSE	Semester: 3rd	Name of the Teaching Faculty: Jagadish Mahanta
Subject: Python (CSEPC 203)	No. of Days/per week class allotted: 45days/ 3 class per week	Semester From Date: 14/07/2025 To Date: 15-11-25 No. of Weeks: 15
Week	Class Day	Theory
1 st	1 st	Python introduction, application
	2 nd	Python installation ,IDE
	3 rd	Python variable
2 nd	1 st	Python datatypes
	2 nd	Python operator
	3 rd	Python operator example
3 rd	1 st	Writing,executing,and debugging python scripts
	2 nd	Conditional statement introduction
	3 rd	Conditional statement real example
4 th	1 st	Loops (for, while,)
	2 nd	Loops (Nested loops)
	3 rd	Loops real example
5 th	1 st	Function
	2 nd	Function
	3 rd	Scope of variable

6 th	1 st	Introduction to lambda function
	2 nd	Recursion function
	3 rd	List(Operation and application)
7 th	1 st	Tuple(Operation and application)
	2 nd	Set(Operation and application)
	3 rd	Dictionary(Operation and application)
8 th	1 st	List comprehension and Dictionary comprehension
	2 nd	String method and manipulation
	3 rd	More about string
9 th	1 st	Introduction to python collection module.
	2 nd	Introduction about file.
	3 rd	File operation(creation,opening,reading,closing,closing)
10 th	1 st	More example about file operation.
	2 nd	Working on CSV and JSON file
	3 rd	Python module(build in modules(math,os,datetime)
11 th	1 st	Built in module more program
	2 nd	Creating and using custom modules
	3 rd	Custom module example
12 th	1 st	Understanding classes and objects
	2 nd	Concept and program data encapsulation
	3 rd	inheritance
13 th	1 st	polymorphism
	2 nd	Working with magic methods
	3 rd	Operator overloading
14 th	1 st	Expectation handling
	2 nd	Expectation handling Example
	3 rd	Python library(Numpy)introduction
15 th	1 st	Python library(Pandas)introduction

	2 nd	Project using panda lib(real world)
	3 rd	Project using panda lib(real world)


Signature of Faculty


Signature of HOD (CSE)