



VENDORS NAME: 3 Edge Pvt Ltd

CLASS: II EEE (3<sup>rd</sup> SEM)

SUBJECT: PROGRAMMING IN JAVA

S.no	Module	Topics to be Covered
1	Programming in Java	Introduction to Java Programming,JVM,JDK, JRE,JIT , Hello World, Datatypes and Identifiers
2		Operators, Control Statements - Decision Making
3		Control Statements - Looping & Jump statements and Arrays
4		Searching & Sorting Algorithms using Array
5		<b>Online &amp; Programming Assessment 1 and OOPS</b>
6		Classes & Objects, Constructor and Command line Arguments
7		Access Specifiers, Inheritance, and Packages
8		Abstract class & Interface, Modifiers(static,final), and 'this' keyword
9		Overloading and Overriding
10		Exception Handling
11		String Handling (String, String Buffer and String Builder)
12		<b>Recap and Online &amp; Programming Assessment 2</b>



VENDORS NAME: 3 Edge Pvt Ltd

CLASS: II EEE(4<sup>th</sup> SEM)

SUBJECT: PROGRAMMING IN PYTHON

S.No	Topic
1	Identifiers and data types: int, float, boolean, string, and list
2	Variables
3	Expressions
4	Statements
5	Different Types of operators
6	Operator Precedence
7	conditional (if, (if-else, if-elif-else);
8	Iteration: state, while, for, break, continue, pass
9	functions-function definition and parameters and arguments- scope
10	function composition, recursion
11	<Code Chef: Code, Compile, Run>
12	Strings: string slices, immutability, string functions and methods, string module.
13	<Test I>
14	Lists: list operations, list slices
15	list methods, list loop, mutability, aliasing, cloning lists
16	list parameters; list comprehension,
17	Tuples: tuple assignment, tuple as return value
18	Dictionaries: operations and methods.
19	<Code Chef: Beginner>
20	File: Modes and Attributes
21	Package: Turtle, Python Regex
22	Python Date & Time
23	Python CALENDAR
24	Internet Access with Python
25	<Code Chef Based Evaluation>
26	<Test I>