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New Scheme Based On AICTE Flexible Curricula

Electrical & Electronics Engineering, IV-Semester

EX 406 Python

Python –Overview

- **Introduction**
- **History**
- **Features**

Python –Environment Setup

- **Local Environment Setup**
- **Getting Python**
- **Installation of Python**
- **Use of IDE**

Python –Basic Syntax

- **Python Identifiers**
- **Reserved Words**
- **Lines & Indentation**
- **Multiline Statements**
- **Quotation in Python**
- **Comments & other useful constructs**

Python –Variables

- **Assigning Values to Variables**
- **Multiple Assignment**
- **Standard Data Types**
- **Python Numbers**
- **Python Strings**
- **Python Lists**
- **Python Tuples**
- **Data Type Conversion**

Python –Basic Operators

- **Types of Operators**
- **Arithmetic Operators**
- **Comparison Operators**
- **Assignment Operators**
- **Bitwise Operators**
- **Logical Operators**
- **Operator Precedence**

Python –Decision Making

- **If statement Flowchart & Syntax**

Python –Loops

- **Available loops flowchart**
- **Syntax**
- **Usage**

Python-Functions

- **Defining a Function**
- **Syntax**
- **Calling a Function**
- **Function Arguments**
- **Anonymous Functions**

Python-Applications & Further Extensions