

A
REPORT
ON
“PYTHON WORKSHOP”



POORNIMA
INSTITUTE OF ENGINEERING & TECHNOLOGY

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

Submitted to:

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PIET**

Submitted by:

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Workshop on PYTHON

Date: 27&28 September 2015		Time: Full Days(two day)
Venue: ONLINE LAB		Year:IIyear(CSE/ECE)
Expert Faculty:	Mr. Ashwini Kumar	Registered Students: 70
	Mr. Ankit Sharma	
Mode of Workshop: Presentation and Hands on Practice Mode, work on Software.		Present Students: 70

Objective:Our objective is to help students to gain an overall knowledge of the applied technology and its functioning. To introduce python language to students for designing software games. The course is designed to provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language.For present and future reference we provide ample productive materials focusing the subject and application areas of the technology. We provide product design, development and related services with end-to-end solutions in network.

Outlines of the workshop:

Day 1 – Content

1. Introduction

- Why python?
- Importance of Python
- Future aspects of Python
- Downloading Python
- Installing Python
- Understanding the command window and script windows

2. Environment Setup

- Local Environment Setup
- Getting Python
- Installing Python
- >Unix and Linux Installation
- >Windows Installation
- Setting up PATH
- Setting path at Unix/Linux
- Setting path at Windows

3. Python Environment Variables

- Running Python
- Interactive Interpreter
- Script from the Command-line
- Integrated Development Environment

4. Basic Syntax

- Interactive Mode Programming
- Script Mode Programming

Day 2 – Content

1. Python Identifiers

- Reserved Words
- Lines and Indentation
 - Multi-Line Statements

2. Quotation in Python

- Comments in Python
- Using Blank Lines
- Waiting for the User
- Multiple Statements on a Single Line
- Multiple Statement Groups as Suites

3. Command Line Arguments

- Variable Types
- Assigning Values to Variables
- Multiple Assignment
- Standard Data Types
- Python Numbers
- Python Strings
- Python Lists
- Python Tuples
- Python Dictionary

4. Data Type Conversion

- Basic Operators
- Types of Operator
 - Python Arithmetic Operators
 - Python Comparison Operators
 - Python Assignment Operators
 - Python Bitwise Operators
 - Python Logical Operators
 - Python Membership Operators
 - Python Identity Operators
- Python Operators Precedence

Feedback from Students: Students experienced a special hands on practice learning session through which they got a better understanding of network fundamental. Students understood the

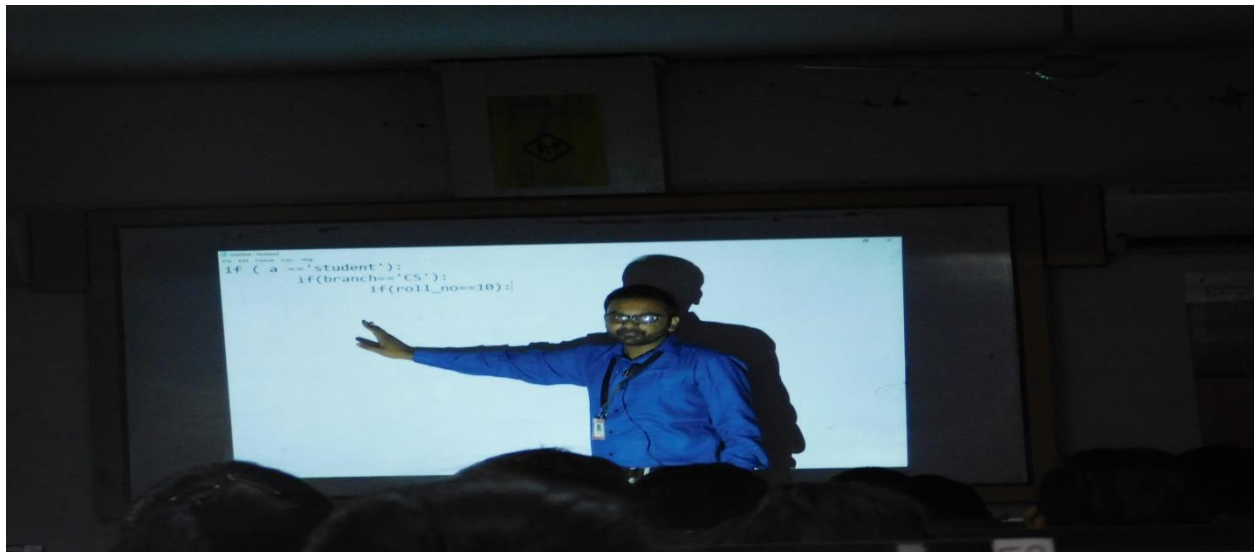
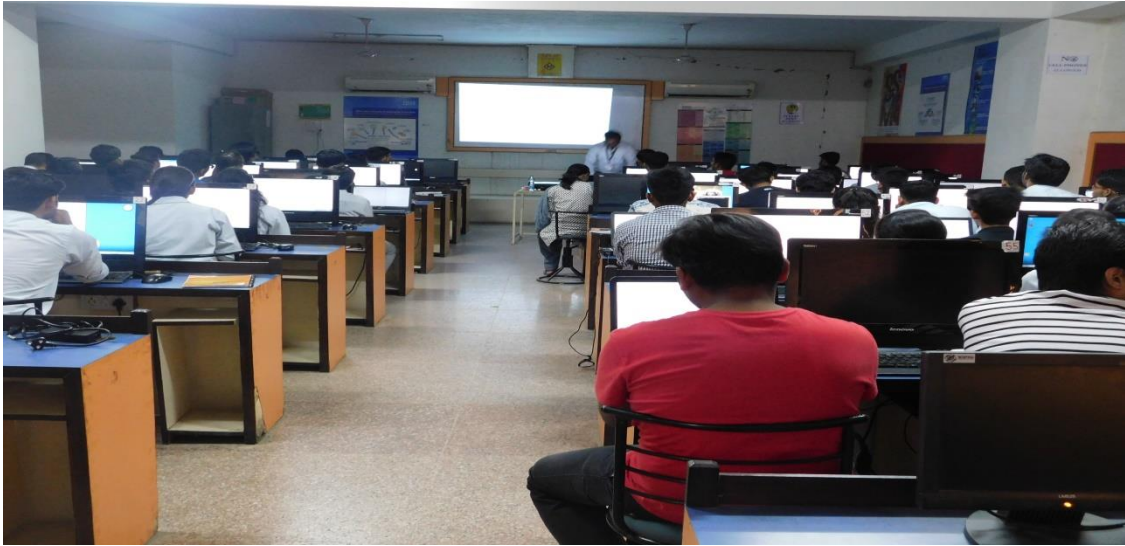
importance of electronics and design network development. The content delivery was as per the needs of every student along with the huge interaction. Overall the workshop has been overall productive.

Content Relevant: The Session gave full hands-on in software and its Project Development. Students will develop a disciplined engineering approach and practical skills in the specification, design and implementation of python programming based projects.

Workshop Output: Every student developed a project using python programming project. Students now feel more comfortable the applications for the same.

Conclusion: The workshop will be conducted by **TechieNest Pvt. Ltd., Jaipur** in coordination with both the Department of electronics and communication Engineering and Computer Engineering of Poornima institute of Engineering & Technology, Jaipur has organized a 2 day workshop on “PYTHON” on: 27 September to 28 September 2017 with the aim to provide software practice to the students on the aspects of development for any project of python programming based. This workshop was also useful in the reference of placement of students. Higher packages are paid for designers as well. The total numbers of seats are limited to 60 (20 for ECE and 40 for CSE) so registration will be done on the basis of First Come First Get basis. There is Rs. 100/- fee for the workshop per Student. The inaugural address was delivered by Mr. Manish Singhal (HOD, ECE) & Mr. Deepak Moud (HOD, CSE). At the end of the workshop Certificate distributed by both Department HOD and TechieNest Pvt. Ltd., Company to individual student.







Faculty Coordinator:-

Ms. Nikita Gautam
Ms. NehaChoudhary
Ms. SonalKhichi
Ms. Rekhajain

Student Coordinator:-

Vivek Daiya
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Shubham Kumar