

**ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT**

<b>1</b>	Name of the Activity/Event	Value Added Course on <b>“ Python programming ”</b>		
<b>2</b>	Date of Activity/Event	<b>22/11/2021 To 27/11/2021</b>		
<b>3</b>	Organized by	<b>Department of Electronics And Communication Engineering</b>		
<b>4</b>	Place of Activity/event	Visweswaraiah Auditorium		
<b>5</b>	Resource persons / guest / organization	<b>APSSDC, Andhra Pradesh</b>		
<b>6</b>	Type of activity/Event	Value Added Course		
<b>7</b>	Activity/Event objectives	<ul style="list-style-type: none"> <li>This course aims at providing an opportunity for students to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society.</li> <li>This program serves as a platform for students to work with the recent trends in Python programming.</li> </ul>		
<b>8</b>	Participation	Students	Faculty	Total Participation
		61	-	61
<b>9</b>	General remarks	<ol style="list-style-type: none"> <li>To Learn the concept and programming of Python.</li> <li>To Understand Python basics.</li> <li>To know Python related key words and operators.</li> <li>Explanation on functions related to Python Data Structures.</li> <li>Explanation on Object-Oriented programming.</li> </ol>		
<b>10</b>	Suggested Improvements	Need Hands-on session and more real time examples.		
<b>11</b>	Enclosures	<ol style="list-style-type: none"> <li>Program report with Snapshots</li> <li>List of Students</li> <li>Attendance sheet</li> </ol>		
<b>12</b>	Signature of In Charge			

The Department of **Electronics and Communication Engineering** conducted a **Value Added Course** on Python Programming from **22/11/2021 To 27/11/2021**. The resource Organization was APSSDC, Andhra Pradesh. The IV B.Tech students from the ECE department have attended this Value Added Course.



*Inauguration of the Event*

### **A BRIEF DESCRIPTION OF THE EVENT:**

Apart from University requirement, Python is also a pre-requisite for learning latest technologies like Android and Big Data. In order to prepare and make IT aspirants among the students ready for industry, ECE department has carved out a course that specifically aligns with IT industry requirements.

A Value Added Course on “Python as Object Oriented Programming Language” was organized by the Department of Electronics & Communication Engineering for IV B.Tech ECE Students from **22/11/2021 To 27/11/2021** by **The Organization APSSDC, Andhra Pradesh**. Total of **61** students have attended the Course.

The course was designed as **6 Days (or) 36 hours of classroom and hands-on training**, conducted in each day with each session of 3 Hrs duration. At a high level course covers a range of topics towards:

- Enabling students to understand basic python programming concepts.
- Provide hands-on sessions to practice the concepts covered in the training

- Enable students to develop applications in Python Programming

The course instructor introduced the Python programming to the students by stating that “Python Program is a scripting language that can be used for development, coding websites, and applications, processing images, scientific data and more. It was built for ease of use and speed is less complicated than Ruby and other similar object-oriented programming languages. Python also enables programs to script professional-grade web-based products.



*Students Practicing programs on Python*



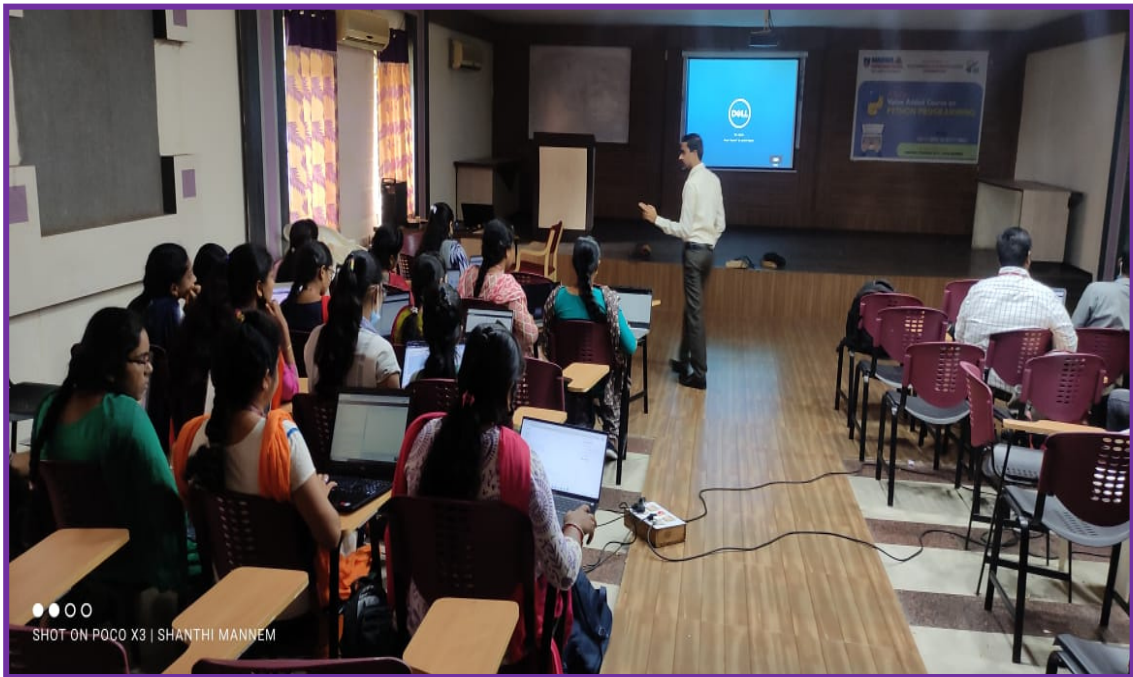
*Students Practicing programs on Python*

The Resource Person has covered the following topics:

- Literate Programming
- Jupyter Notebook Environment
- Markdown format for documentation
- Python basics
- Keywords and Operators in Python
- Conditional statements
- Iterations
- Jump Statements
- Functions
- Strings
- Python Data Structures
- Lists
- Tuples
- Dictionaries
- Sets



- Packages and Modules
- Regular Expression
- File Handling
- Object-Oriented Programming
- Python libraries for Data Science
- Pandas



Enlightening the Young Minds about the importance of Python Programming

At the end of the course the students were expertise in Aptitude, Group Discussion process and interview Process which will be very helpful in Campus Placements.