Report on Discerning Projects with Python Workshop November 2018

Python Programming is being used worldwide in a wide range of workplace environments and it tops the charts for the most promising career options. Machine Learning and Artificial Intelligence are considered to be the main driver of Python's fast growth.

The department of computer science organized a two day workshop on "*Discerning Projects with Python*" on 15th and 16th November 2018 for final year BCA students. The resource person Dr. Regina L Suganthi, HOD, Department of Computer Science, Mount Carmel College, Autonomous, Bangalore helped students with her kind and inspiring advice to understand the subject and its semantic significance. The objective of the workshop on Python was to provide the students the basics of Python programming language, understand the influence of Python in machine learning and also to explore the projects through Python by giving hands-on exposure.

The Workshop began with a welcome speech by Miss Pratibha R followed by Bible reading by Miss Karen.

Topics covered in Session 1:

- Introduction to Python
- Installation of Python
- Python Basic examples on Strings
- Lists and loops in Python
- File handling
- Hands on training session in Python

Topics covered in Session 2:

- Introduction to Machine Learning and its Algorithms

Topics covered in Session 3:

- Machine Learning algorithms – K-Means and Hierarchical Clustering, Kernel Trick
- Functions, Decision making and Dictionary in Python
- Hands on training session in Python

Topics covered in Session 4:

- Modules in Python
- Introduction to Neural Networks
- Hands on training on Anaconda using Jupyter Notebook

The workshop concluded with vote of thanks by Miss Pratibha R.