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Report on "Faculty Development Program on Python"

Organized by Departments of CSE, IT & MCA - MITS
12-17 November 2014



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Faculty Development Program on Python was conducted by Departments of CSE, IT and Computer Applications during 12-11-2014 to 17-11-2014. The resource person **Prof Jayanth Kirtane, Professor of Computer Science and Engineering at Keshav Memorial Institute of Technology, Hyderabad, and a member of its Electrical Engineering R&D Lab** - interacted with teachers teaching Python Programming.

The speaker spoke in detail about the Python and the importance of Python programming. The key points stressed by the speaker in the program were:

- Python gets a lot of different things right, right in a combination that no other language has done so far.
- It is still common to start students with a procedural (subset of a) statically typed language such as Pascal, C, or a subset of C++ or Java.
- Students may be better served by learning Python as their first language. Python has a very simple and consistent syntax and a large standard library and, most importantly, using Python in a beginning programming course permits students to concentrate on important programming skills such as problem decomposition and data type design.
- With Python, students can be quickly introduced to basic concepts such as loops and procedures. They can even probably work with user-defined objects in their very first course.
- Python can be easy to pick up whether you're a first time programmer or you're experienced with other languages.
- The Python Package Index (PyPI) hosts thousands of third-party modules for Python. Both Python's standard library and the community-contributed modules allow for endless possibilities.
- Python is developed under an OSI-approved open source license, making it freely usable and distributable, even for commercial use. Python's license is administered by the Python Software Foundation.
- The worth of Python, in a nutshell, is that Python makes it very easy to express, implement and execute algorithms to solve computing problems.