

## **Workshop - Python programming**

A National workshop, "Python programming" was organized by Department of Biotechnology, KL University, Vaddeswaram, Guntur District, Andhra Pradesh along with student association **BETA** on, 7 & 8th January-2016. A Total of 48 student registrations were recorded for the workshop. Inauguration ceremony was conducted at jasmine hall with Lightening of Lamp followed by prayer song by BETA students. Dr. K.Srinivasulu, HoD, spoke regarding the achievements of department of biotechnology recognizing the role of faculty and students in research activities.

Mr.K.Rishi, speaker from University of Toronto has delivered an lecture on the role of python programming and its role in bioinformatics. Biopython is a set of freely available tools for biological computation written in Python by an international team of developers. Rishi also focused on the advantages of Python over Perl and R languages for bioinformatics as a clear language. Usually there is only one way to program with Python. "The right one". It is simple and stable. Biopython doesn't have as many modules as Bioperl, but they work. He also elaborated more on the startup of the programming during the workshop like Python is great for starts. The syntax is clean and simple. Further, as you become more advanced in your programming skills, you can interface with more advanced libraries such as scipy, numpy, and matplotlib as well as with other programs such as R and various databases. Further, parallelization is relatively simple with built in modules (e.g., multiprocessing) and speed optimization can be had by integrating C or Fortran code through shared libraries or through interfaces such as cython. It's a very versatile language.

The faculty of the department also taken active participation in the workshop, includes Dr. V. Praveen Kumar, Dr. B. Mahendran, Dr. V. Bhadra Murthy and Dr. M.S.R. Krishna. Dr. B.J.K Singh, Dr.P.Rajashekar, Dr.A.K.Paari. Dr.C.Chandra Sekhar gave the vote of thanks and he acknowledged all the speakers, delegates, faculty, non teaching, ET facilities and Management.

The workshop was very informative as well as inspiring to the aspiring students. The message was well received by the students, which was evident in the thought provoking questions that

were asked at the end of the presentation. At the end of the event, refreshments were served to all the faculty, staff and students present at the venue.



**K.Rishi, Guest of the workshop from University of Toronto during his lecture**





**Participants at the workshop and active interaction during the workshop**