

CONNECT

Feb 2011, Vol. 6

“Success is the sum of small efforts, repeated day in and day out” ~ Robert Collier.

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With a successful start to our efforts for the new year, RSG-India is glad to present before you the sixth edition of ‘CONNECT’. In this volume, we give you highlights of a guest lecture organized at the VIT University, as a substantiation of RSG-India’s initiatives. Apart from that, we also familiarize you with the customary sections, ‘Top 10 posts on the Message Board’ and ‘Topic of the Month (TOTM)’ – Bioinformatics Tools Development using PERL’. Further, with the flourishing advancement of the ‘BIO-Innovation’ segment, we illustrate an integrated Bioinformatics tool called ‘DARWIN’. Lastly, we give you an update of the latest session held at CBDG-VIT.

We believe that you would reap the benefits from the deeds that RSG-India is carrying out for you, and shall also find the newsletter much more appealing!

RSG-India’s Initiatives – Spanning our wings...

In the last issue of ‘CONNECT’, we mentioned about the various events organized by RSG-India at several technical fests. This time, we give you the highlights of an exceptional guest lecture organized by RSG-India on 6th February, 2011 at the VIT University.



✓ The lecture was conducted under the CBDG-VIT guest lecture series; the topic of the hour being ‘Entrepreneurship in Life Sciences and insight into Microarray Technologies’.

✓ Dr. Kshitish Acharya, Senior Scientist, IBAB, Bangalore (also Founder, Shodhaka Life Sciences Pvt. Ltd., Bangalore), was invited to talk on the above mentioned topic.

✓ The lecture was successful in making the audiences cognizant of the recent areas of research in the domain of Microarray technology, and also threw light on the imperative elements of Computational Biology employed in the field. The talk also encompassed the Entrepreneurship skills in Life Sciences domain.

✓ We received an overwhelming response from the faculty as well as the students of the university. The general feedback was that it was an eye opener for many aspirants looking forward to this relatively new field as a career option.



... will be continued ...

TOP 10 POSTS ON THE MESSAGE BOARD

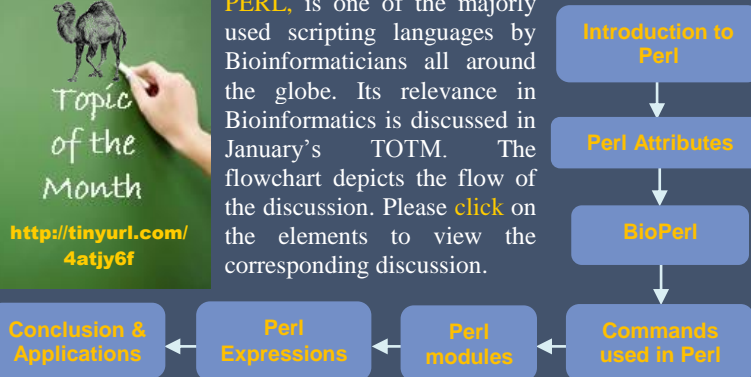
1. AWARDS – DBT Junior Research Fellowship.
2. JOB OPENING – Bioinformatics Institute of India.
3. WORKSHOP – Molecular Modeling & its approaches.
4. RESEARCH POSITION – Research Associate Position at IIT-Delhi.
5. PROJECT – NISER Bioinformatics Life Sciences Project Vacancies.

6. OPENING – CDRI Lucknow, JRF Opening.
7. ARTICLE – How to write a great Statement Of Purpose.
8. WORKSHOP – National Workshop on MDS & Chemoinformatics.
9. CONFERENCE – BITS Pilani - Contemporary Trends in Biological and Pharmaceutical Research.
10. MISC – Perl Best Practices Reference Card.

Bioinformatics Tools Development Using PERL



PERL, is one of the majorly used scripting languages by Bioinformaticians all around the globe. Its relevance in Bioinformatics is discussed in January’s TOTM. The flowchart depicts the flow of the discussion. Please click on the elements to view the corresponding discussion.



CompBio Discussion Group (CBDG) – Updates

The latest CBDG session at VIT focused on ‘The Introduction to Microarray Technology’. It was handled by Chavi Agarwal and Praveen Sharma, both fourth year B.Tech Bioinformatics students at the VIT University. Most members were unacquainted with the topic and the session stirred off with a brief introduction. The concepts and keywords related to microarray were explained. The processes were detailed through very explicable animations. Finally, the session concluded with a review of the technology, stating its essential applications.

‘BIO – Innovation’ - DARWIN

‘Data Analysis and Retrieval With Indexed Nucleotide sequences’ is a programming environment, with its own modern language, and a growing library of functions for nucleotide and peptide sequence management and analysis, statistics, numeric’s, graphics, and parallel execution. DARWIN was developed by the Computational Biochemistry Research Group and is largely platform independent, running on a wide variety of operating systems.

