"We are what we repeatedly do; excellence, then is not an act but a habit" ~ Aristotle.

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Note to Readers…

Seasons greetings! Wishing all RSG-India members a happy and prosperous new year! RSG-India is back with the fifth volume of 'CONNECT'. Being the first edition of 2011, we give you a picture of the various events organized by RSG-India at technical fests. Apart from that, we also acquaint you with the regular sections, 'Top 10 posts on the Message Board' and 'Topic of the Month (TOTM)' – Proteomics and its Applications. Also, through the triumphant upshot of the 'BIO-Innovation' section, we illustrate an integrated Bioinformatics tool 'UTOPIA'. Lastly, we give you an update of the latest session held at CBDG-VIT.

We anticipate that RSG-India through all its efforts will help you to achieve all your future academic and research endeavors in this new year!

RSG-India's Initiatives – A stroll down memory lane…

In December's issue of 'CONNECT', we mentioned about RSG-India's presence and impact at HiPC 2010. In this issue, we bring to the forefront, the events organized by RSG-India at technical fests.

✓ **CODE-ON:** In February 2008, the Department of Biotechnology and Bioinformatics, VIT conducted a techno-festival, Replikon '08 where in RSG-India organized a programming event CODE-ON for students with a flair for programming in Python, C, C++ & Perl. It turned out to be a successful event with massive participation. Winners were awarded cash prize and ISCB free membership for one year.

✓ **PERQUISITION:** In September 2009, at the GRAVITAS International Tech-Fest at VIT, RSG-India organized a database search event. There were 30 teams in all (20 from VIT & 10 from other universities). A workshop was conducted by the RSG-India team to familiarize the participants about the pattern of the questions.

CODE-ON

PERQUISITION

… will be continued …

TOP in Focus 10 POSTS ON THE MESSAGE BOARD

1. ARTICLE – Some of the PhD Uncomfortable questions (Current Science, 2011).
2. SUMMER RESEARCH PROGRAM – CCRB at Queen's University Belfast.
3. WORKSHOP- Computational Approaches in Biological Data mining
4. RESEARCH POSITION - JRF Position in Bioinformatics at Bose Institute, Kolkata.
5. EVENT-National Symposium BIOCONCORRENZA'11
6. OPENING–JOB OPENING at NCCS.
7. EVENT – 5th International Symposium on Information Visualization in Biomedical Informatics.
8. ADMISSION - Admission to M.Sc in Bioinformatics and Biotechnology at IBAB.
9. CONFERENCE – 2nd International Conference on Bioinformatics and Systems Biology.
10. MISC – Bifx Africa-India Joint Virtual Conference (2011).

Proteomics and Its Applications

Topic of the Month
http://tinyurl.com/5wmb58l

Proteomics is a blend of proteins and genomics, which constitutes the entire compliment of proteins produced by an organism or a system. The flowchart depicts the flow of the discussion. Please click on the elements to view the corresponding discussion.

- Proteomics-Introduction
- Methods for Protein Studies
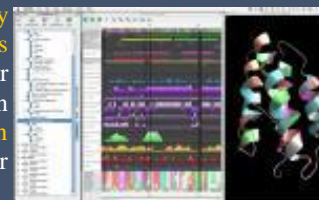- Branches of Proteomics
- Genomics Vs Proteomics
- Types of Proteomics
- Tools for Proteomics
- Proteomics Applications

CompBio Discussion Group (CBDG) – Updates

The latest CBDG session at VIT was on 'Basics of Insilico drug designing', conducted by Kartikey Agarwal, a third year B.Tech Bioinformatics student.

The session was conducted in a three layer fashion. Firstly, the terminologies related to drug designing were explained. Next, the process of drug designing was dealt with a brief description of each step. Finally, software and databases for each step were discussed along with a revision of the drug designing process.

'BIO – Innovation' - UTOPIA

UTOPIA is the acronym for 'User-friendly Tools for Operating Informatics Applications'. It is a suite of free tools for visualizing and analyzing various data in Bioinformatics. Based on an ontology driven data model, it contains applications for viewing and aligning protein sequences, rendering complex molecular structures in 3D, and for finding and using resources such as web services and data objects.