

CONNECT

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“What sculpture is to a block of marble, Education is to the soul.” – Joseph Addison

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RSG- India is back with the Tenth issue of its newsletter “CONNECT”. In this edition, we bring you loads of information and share with you another of RSG- India’s online initiative- “Topic Of The Month”. Following the initiatives section we give you the **Top 10 Posts of the Month**. We then have an illustration of the discussions on our Topic Of The Month- **Role Of Artificial Intelligence In Bioinformatics**. We then take you to the most awaited section of our issue- **BIO-Innovation**, where we highlight new Bioinformatics tool each time.

We hope you find this issue engrossing, benefit from the initiatives that RSG-India is keen upon bringing out for you, and also support our objective for academic and research excellence!

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



In the last issue of CONNECT, we had talked about **CompBio Discussion Group’s** session at Sri MVIT, Bangalore and we hope you got a fair idea about certain Drug designing Softwares.

In this issue we bring to you an online initiative- “Topic Of The Month” (TOTM), where every month a topic is put forward for open discussion.

- ✓ All members can express their views, ideas; thus, enabling a fruitful discussion spread over a month with information sharing made possible.
- ✓ Discussions are about topics ranging from core Bioinformatics to its current status in the Academia as well as in the industry.
- ✓ This platform generates and exchanges information about novel ideas and increases the networking within the Bioinformatics Community.

... will be continued ...

TOP 10 POSTS ON THE MESSAGE BOARD

1. INTERNSHIP – [Project Internship at BITS Pilani](#)
2. OPENING – [Bioinformatics Positions at CDAC](#)
3. OPENING – [DBT JRF at IISER, Bhopal](#)
4. EVENT – [Computational Genomics and its Applications](#)
5. ARTICLE – [SIB and GeneBio launches neXtProt](#)

6. CONFERENCE – [3rd Annual Biotechnology Conference for Students.](#)

7. POSITION – [Research Associate Vacancy at IARI, New Delhi](#)

8. MISC – [Free Online Courses in AI by Stanford University](#)

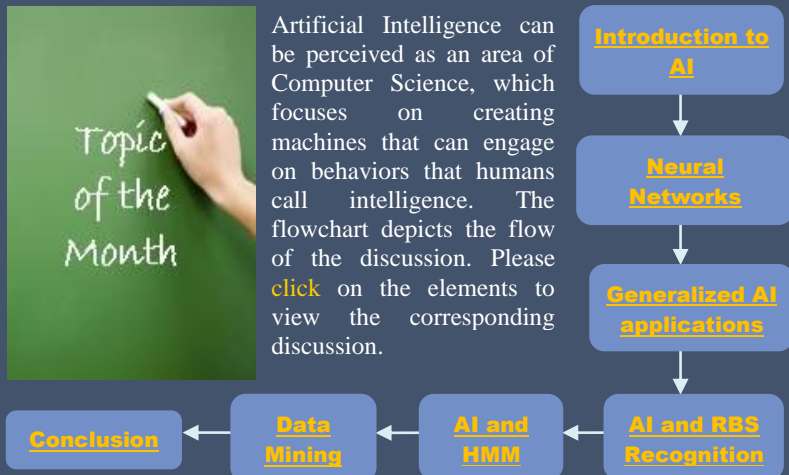
9. WORKSHOP – [Training in Bioinformatics at IAR](#)

10. CONFERENCE – [Biosysbio 2012.](#)

ROLE OF ARTIFICIAL INTELLIGENCE IN BIOINFORMATICS



Artificial Intelligence can be perceived as an area of Computer Science, which focuses on creating machines that can engage on behaviors that humans call intelligence. The flowchart depicts the flow of the discussion. Please **click** on the elements to view the corresponding discussion.



BIO-Innovation – “Genomicus”

Comparative genomics is a pivotal strategy to study the evolution of gene organization, which is why in the recent years there is **fast growing number of full genome** sequences available in public repositories. Most of the **available bioinformatics tools** for visualization and comparison of genomes are **restricted to only two or three genomes at a time**. **Genomicus** is a genome browser that enables users to navigate in genomes in several dimensions: linearly along chromosome axes, transversally across different species, and chronologically along evolutionary time. Once a query gene has been entered, it is displayed in its genomic context in parallel to the genomic context of all its orthologous and paralogous copies in all the other sequenced metazoan genomes. Moreover, Genomicus stores and displays the predicted ancestral genome structure in all the ancestral species within the phylogenetic range of interest. Genomicus is freely available for online use at <http://www.dyogen.ens.fr/genomicus>

