Assignment 5

BT5240 Computational Systems Biology | Jan - May 2025

April 7, 2025

Due Date for choosing article: 20 Apr 2025, 5:00 PM
Due Date for blog submission: 5 May 2025, 5:00 PM
Maximum marks: 20

Academic Integrity: You can discuss the problems verbally with your friends, but copying or looking at codes (either from your friend or the Web) is not permitted. Transgressions are easy to find and will be reported to the "Sub-committee for the Discipline and Welfare of Students" and dealt with very strictly. Mention any collaboration (discussions only!) in your solutions.

All the submitted articles will be checked for plagiarism through Turnitin. Any similarity above 15% will be considered significant plagiarism and will be reported to the "Sub-committee for the Discipline and Welfare of Students".

Submission: Your file should be named something like BTyyBxxx.pdf, based on your roll number. Submit the document in Turnitin. The blog submission deadline is strict, and submissions will not be accepted after the deadline.

Instruction about the blog article:
Write an 800-word blog article on 'Systems Biology: The Science of Interconnections' from a chosen research article. The blog should be a review of the research article, so try to avoid selecting a review article as your main article.

With this being the main topic, you can choose articles from any one of these subtopics:

1. Microbiome engineering for plastic degradation
2. Probiotic supplementation to alleviate diseases/disorders.
3. Digital Twins for Personalized Cancer Therapy (or in health and disease)
4. Cellular Factories

Only a maximum of 7 students can take the same subtopic, and no two students can choose the same research article. Please fill this [Excel sheet](#) by 20 Apr 2025, 5:00 PM, to avoid redundancy of articles and subtopics.

Don't rely on AI to write or generate ideas for you! The whole point of this assignment is for you to explore different studies and see what's happening in research worldwide. When you use Google Scholar or Scopus, you don't just read one article—you come across many others that expand your understanding. So have fun blogging!!

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