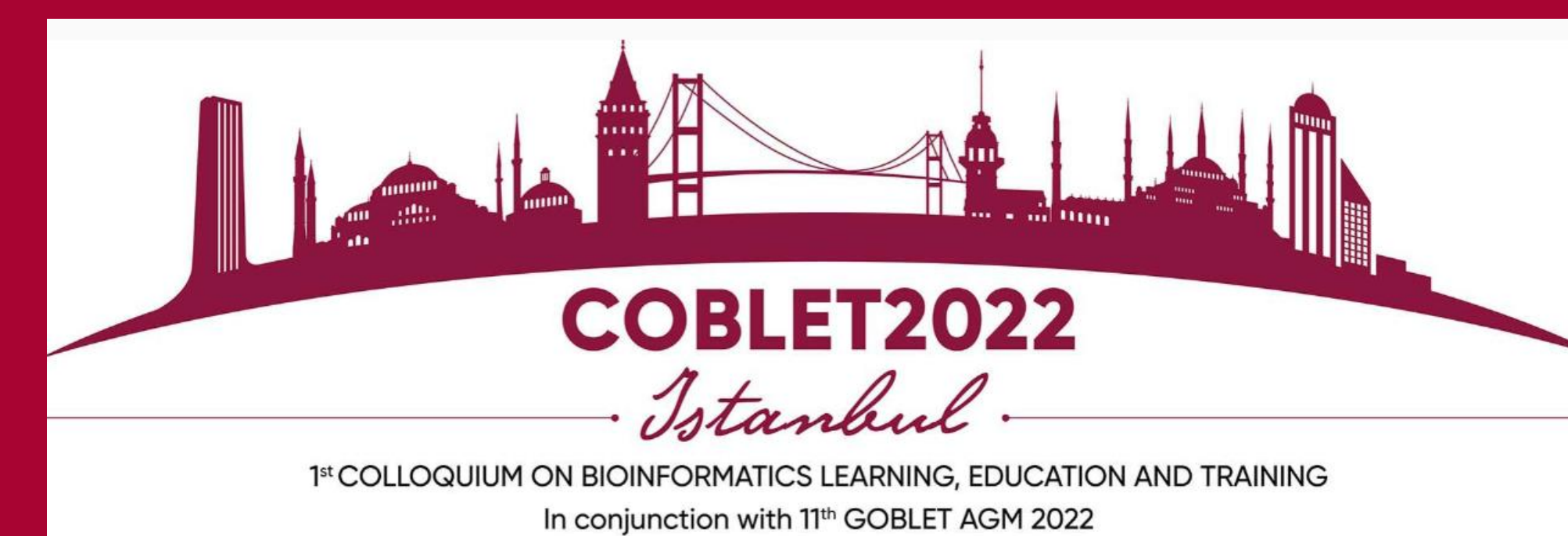


BIOINFORMATICS WORKSHOP FIESTA 2020/22: INTRODUCTION TO PYTHON

Aakib Bin Nesar, Department of Electrical and Computer Engineering, North South University, Dhaka, Bangladesh.



INTRODUCTION

Did you know that python has a data structure called *Dictionary* that can be used to build a RNA Codon table?



Instructor, Organizers and Participants of the Workshop

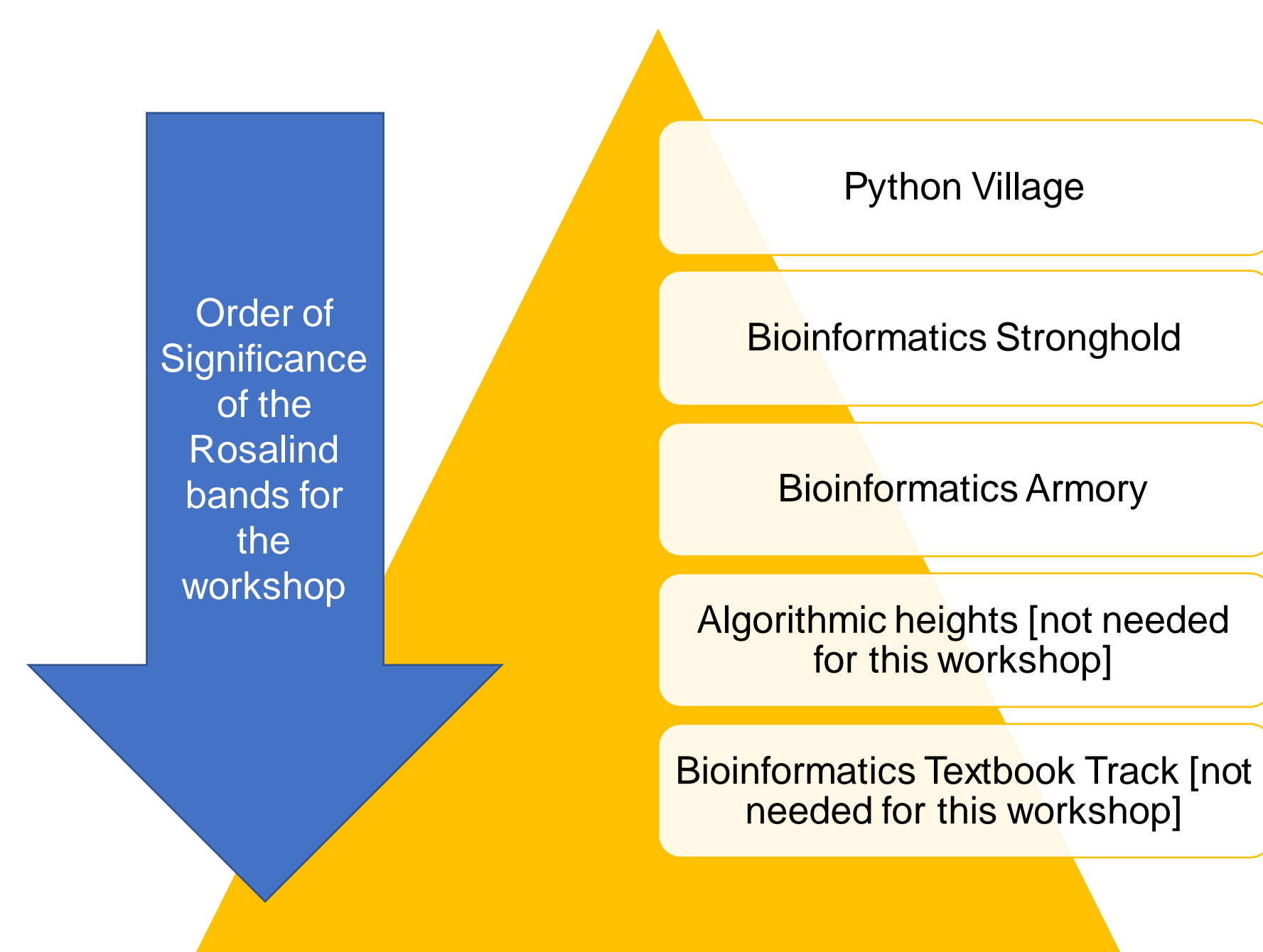
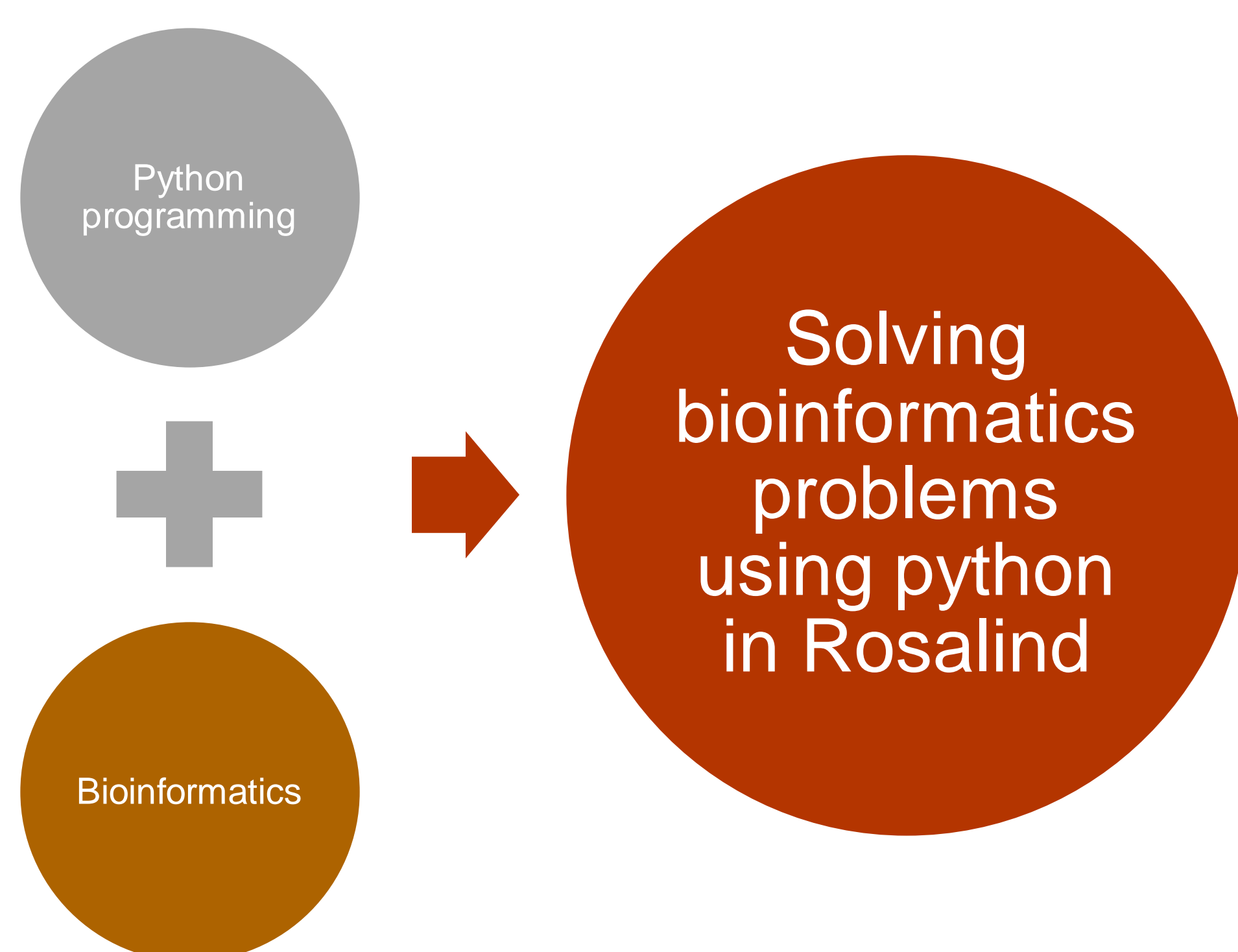
WHAT DOES BIOINFORMATICS MEAN TO YOU?

In depth analysis of huge amount of biological data

To improve my skill as a biologist

It's means a lot to me as I want to make my career into it

THE MAIN IDEA BEHIND THE WORKSHOP



Poster of the Workshop

HIGHLIGHTED FACTS AND EXPECTATIONS FROM THE WORKSHOP

- This workshop inaugurated Bioinformatics workshop fiesta (BWF 2020/22), which was organized by the Asia-Pacific Bioinformatics Network (APBioNET), Association for Medical and Bioinformatics, Singapore (AMBIS), Perdana University, Malaysia and Bezmalek Vakif University, Turkey.
- Participants from countries such as Malaysia, Singapore, Indonesia, Japan, India, Poland and Nigeria took part in this workshop.
- Participants had a background either in Biology, Environmental Engineering and Biochemistry.
- In a total of 10 participants, this was the first time for 6 participants to learn about Bioinformatics.
- The expectations of the participants before joining the workshop was to learn the basics of python, biopython as well as bioinformatics skills.
- After the workshop, it was seen that their expectations were met as all of them were now comfortable in programming with python especially due to the exposure to the real world problems from Rosalind.

THE VIRTUAL PLATFORM USED (E.G. ZOOM AND DISCORD) WAS SATISFACTORY FOR THE ONLINE WORKSHOP?

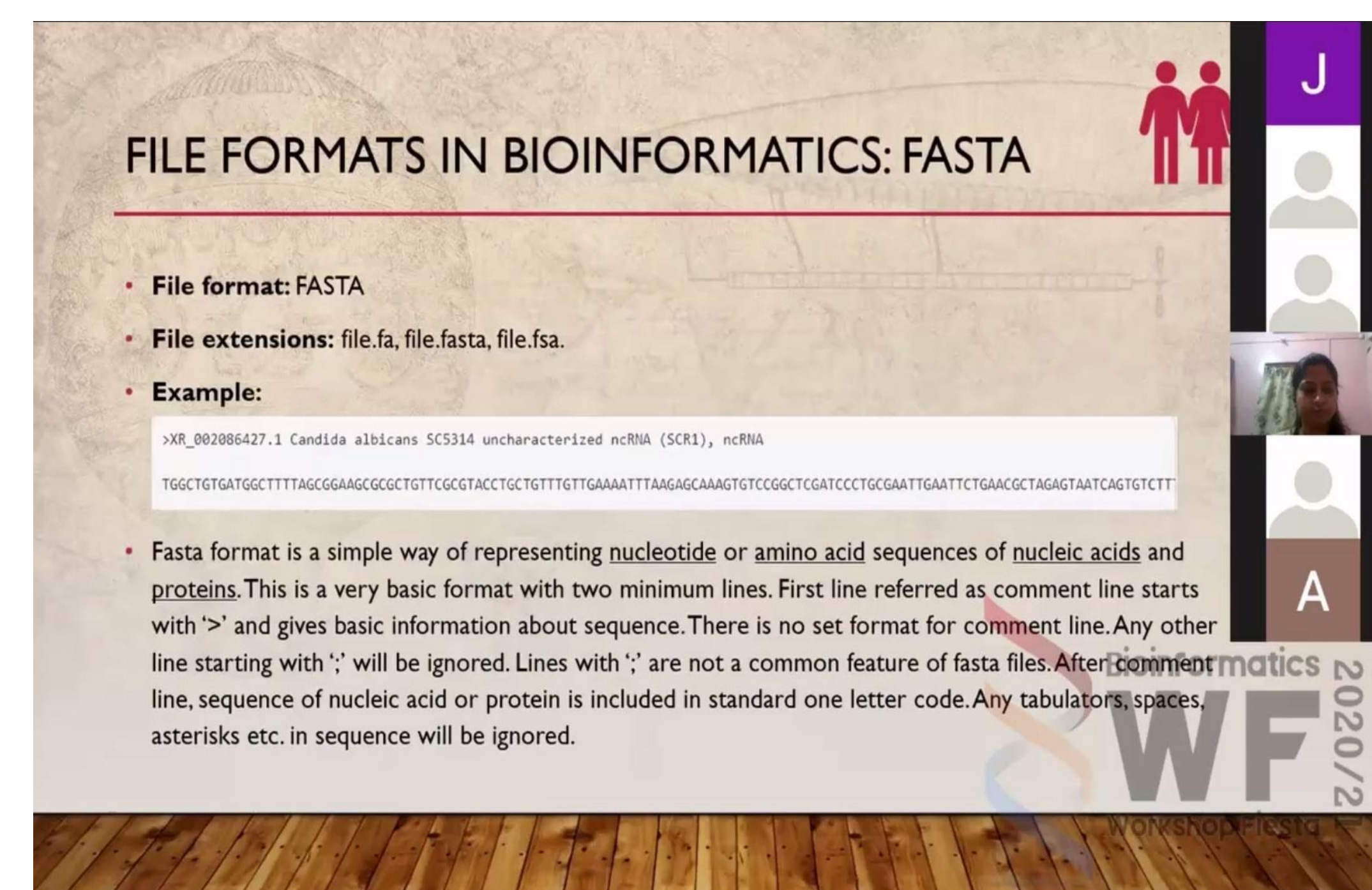
Overall Rating: 4.8/5

LECTURE POLICIES FOR A TOTAL OF 8 SESSIONS

Session A: Power-point lecture presentation of the sessions topic

Session B: Live coding using Python IDEs.

Home-task: Solving Rosalind problems using the session's knowledge and skills.

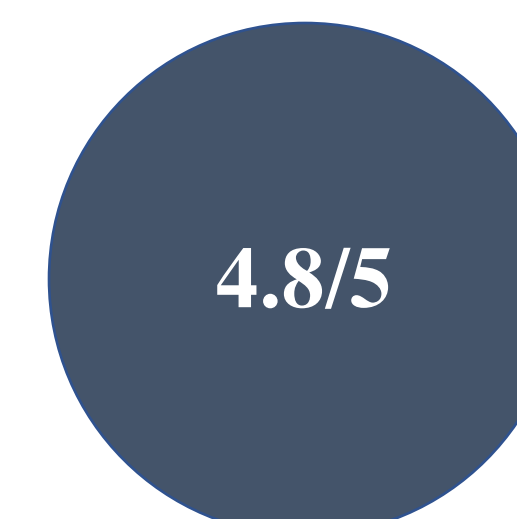


Lecture slide on FASTA files

SUCCESS OF THE WORKSHOP

1. THIS WORKSHOP STIMULATED MY INTEREST IN THE TOPIC

Overall Rating:



2. WHAT DID YOU LIKE BEST ABOUT THIS WORKSHOP?

Able to learn how to code.

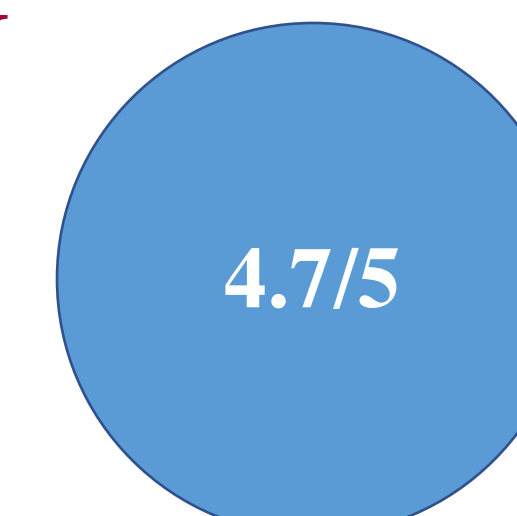
I like the explanation of biopython the most.

The fact that Rosalind was used for the home tasks, it really gave an incentive to work on the topic.

Learning and interaction between instructor and students.

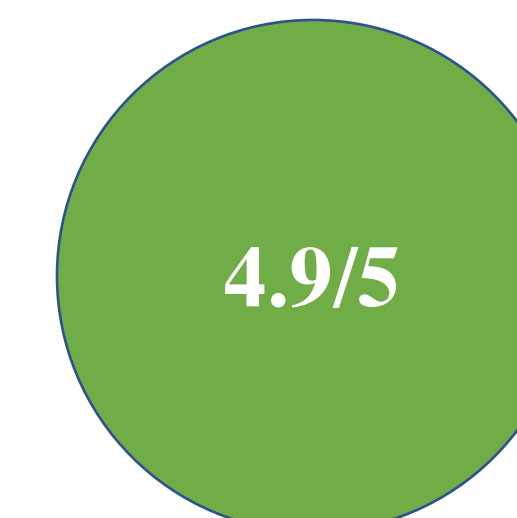
3. THIS WORKSHOP HAS ENCOURAGED INDEPENDENT LEARNING

Overall Rating:



4. OVERALL, HOW DO YOU RATE YOUR EXPERIENCE WITH THIS WORKSHOP

Overall Rating:



ACKNOWLEDGEMENTS

