# Peer-Peer Mentoring Program 

Student Learning Center, Hansraj College

Month and Year: March, 2022
Department: Botany Department
Name of the Departmental Program Coordinator: Dr. Satyakam Guha

| $\begin{array}{\|c} \hline \text { S. } \\ \text { No } \end{array}$ | Name of the Mentor | Semester | Number of sessions | Date and Time (of each session) | Topics covered (in each session) | No. of Mentees attended (per each session) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Josemon Biju | VI | 4 | $\begin{aligned} & \text { March 12, } \\ & 2022 \\ & 4: 00-4: 30 \\ & \mathrm{p} \mathrm{m.} \\ & \hline \end{aligned}$ | General introduction about the mentoring | 18 |
|  |  |  |  | $\begin{aligned} & \text { March 19, } \\ & 2022 ; \\ & 11: 00- \\ & 12: 10 \end{aligned}$ | RespirationGlycolysis, Anaerobic respiration | 15 |
|  |  |  |  | $\begin{aligned} & \text { March 19, } \\ & 2022 ; \\ & 2: 10-3: 00 \end{aligned}$ | The CellCell as a unit of structure and function; Characteristics of prokaryotic and eukaryotic cells; Origin of eukaryotic cell (Endosymbiotic theory). | 7 |
|  |  |  |  | $\begin{array}{\|l} \hline \text { March 26, } \\ 2022 ; \\ 11: 00- \\ 11: 40 \end{array}$ | RespirationTransition reaction, Krebs cycle/TCA cycle | 8 |

## Mentor 1: Mr. Josemon Biju

Course: B.Sc (H) Botony
Current Sem: VI
Email id: josephbiju150@gmail.com

March 19, 2022: Topics covered: Glycolysis and Anaerobic respiration from the unit Respiration and students from Botany were taught the topics Cell as a unit of structure and function, Characteristics of Prokaryotic and Eukaryotic cells, Origin of
 Eukaryotic cells (Endosymbiotic theory) from the unit The Cell.

| Full Name | User Action | Timestamp |
| :--- | :--- | :--- |
| josemon | Joined | $3 / 19 / 2022,11: 01: 16 \mathrm{AM}$ |
| yuvant14743 | Joined before | $3 / 19 / 2022,11: 01: 16 \mathrm{AM}$ |
| harshita14731 | Joined | $3 / 19 / 2022,11: 01: 47 \mathrm{AM}$ |
| prerna14653 | Joined | $3 / 19 / 2022,11: 03: 29 \mathrm{AM}$ |
| prerna14653 | Left | $3 / 19 / 2022,11: 04: 50 \mathrm{AM}$ |
| prerna14653 | Joined | $3 / 19 / 2022,11: 07: 31 \mathrm{AM}$ |
| naitik14723 | Joined | $3 / 19 / 2022,11: 06: 01 \mathrm{AM}$ |
| riya14682 | Joined | $3 / 19 / 2022,11: 07: 19 \mathrm{AM}$ |
| chandni14683 | Joined | $3 / 19 / 2022,11: 08: 04 \mathrm{AM}$ |
| ashish14673 | Joined | $3 / 19 / 2022,11: 12: 03 \mathrm{AM}$ |
| ashish14673 | Left | $3 / 19 / 2022,11: 13: 37 \mathrm{AM}$ |
| bhumika14664 | Joined | $3 / 19 / 2022,11: 12: 16 \mathrm{AM}$ |
| neha14709 | Joined | $3 / 19 / 2022,11: 16: 06 \mathrm{AM}$ |
| neha14709 | Left | $3 / 19 / 2022,11: 16: 36 \mathrm{AM}$ |
| mohima14656 | Joined | $3 / 19 / 2022,11: 16: 55 \mathrm{AM}$ |
| vaibhavi3105 | Joined | $3 / 19 / 2022,11: 32: 50 \mathrm{AM}$ |
| vaibhavi3105 | Left | $3 / 19 / 2022,11: 33: 03 \mathrm{AM}$ |
| harsh14698 | Joined | $3 / 19 / 2022,11: 38: 55 \mathrm{AM}$ |
| shweta14734 | Joined | $3 / 19 / 2022,11: 39: 19 \mathrm{AM}$ |
| shweta14734 | Left | $3 / 19 / 2022,12: 01: 18 \mathrm{PM}$ |
| harsh14696 | Joined | $3 / 19 / 2022,11: 41: 27 \mathrm{AM}$ |
| harsh14696 | Left | $3 / 19 / 2022,11: 42: 41 \mathrm{AM}$ |
| aditi14716 | Joined | $3 / 19 / 2022,11: 43: 20 \mathrm{AM}$ |


| Full Name | User Action | Timestamp |
| :--- | :--- | :--- |
| josemon | Joined | $3 / 19 / 2022,2: 10: 50 \mathrm{PM}$ |
| anudeepti3187 | Joined | $3 / 19 / 2022,2: 11: 03 \mathrm{PM}$ |
| anudeepti3187 | Left | $3 / 19 / 2022,2: 27: 08 \mathrm{PM}$ |
| anudeepti3187 | Joined | $3 / 19 / 2022,2: 28: 17 \mathrm{PM}$ |
| ayushi3121 | Joined | $3 / 19 / 2022,2: 11: 14 \mathrm{PM}$ |
| kabir3176 | Joined | $3 / 19 / 2022,2: 11: 18 \mathrm{PM}$ |
| vaibhavi3105 | Joined | $3 / 19 / 2022,2: 11: 51 \mathrm{PM}$ |
| aanchal3138 | Joined | $3 / 19 / 2022,2: 12: 09 \mathrm{PM}$ |

Photographs:


## FACTORS FOR SIZE OF CELLS

- Nucleo- cytoplasmic ratio- Nucleus controls the fuctions of the cell. Nucleus should be capable enough to take care of the cell.
- Rate of Metabolism
- Surface area to volume ratio- we normally assume the cell to be cubical in shape
- Area of cube- 6asquare
- Area: volume ratio decreases as size of the cell increases
- So size of the cells remain small so that they are efficient




March 26, 2022: The topics covered were Transition Reaction, Aerobic respiration and Krebs cycle/ TCA cycle

| Full Name | User Action | Timestamp |
| :--- | :--- | :--- |
| josemon | Joined | $3 / 26 / 2022,11: 13: 14$ AM |
| prerna14653 | Joined | $3 / 26 / 2022,11: 14: 05 \mathrm{AM}$ |
| prerna14653 | Left | $3 / 26 / 2022,11: 14: 09 \mathrm{AM}$ |
| prerna14653 | Joined | $3 / 26 / 2022,11: 23: 40 \mathrm{AM}$ |
| prerna14653 | Left | $3 / 26 / 2022,11: 44: 30 \mathrm{AM}$ |
| prerna14653 | Joined | $3 / 26 / 2022,11: 44: 37 \mathrm{AM}$ |
| aditi14716 | Joined | $3 / 26 / 2022,11: 14: 31 \mathrm{AM}$ |
| aditi14716 | Left | $3 / 26 / 2022,11: 14: 37 \mathrm{AM}$ |
| bhumika14664 | Joined | $3 / 26 / 2022,11: 16: 58 \mathrm{AM}$ |
| garima14659 | Joined | $3 / 26 / 2022,11: 17: 31 \mathrm{AM}$ |
| garima14659 | Left | $3 / 26 / 2022,11: 26: 28 \mathrm{AM}$ |
| riya14682 | Joined | $3 / 26 / 2022,11: 20: 06 \mathrm{AM}$ |
| mohima14656 | Joined | $3 / 26 / 2022,11: 23: 53 \mathrm{AM}$ |
| mohima14656 | Left | $3 / 26 / 2022,11: 32: 48 \mathrm{AM}$ |
| mohima14656 | Joined | $3 / 26 / 2022,11: 38: 59 \mathrm{AM}$ |
| neha14709 | Joined | $3 / 26 / 2022,11: 27: 04 \mathrm{AM}$ |
| neha14709 | Left | $3 / 26 / 2022,11: 27: 23 \mathrm{AM}$ |
| mitali14738 | Joined | $3 / 26 / 2022,11: 36: 13 \mathrm{AM}$ |
| mitali14738 | Left | $3 / 26 / 2022,11: 36: 32 \mathrm{AM}$ |




