

## Minutes of the Meeting

A meeting of all the faculty members of Zoology department was held on 9<sup>th</sup> June '2023 at 10.00 a.m. in the Zoology Staff room under the aegis of DBT Stac College Scheme.

Agenda : (i) DBT Stac College Scheme Academic Calender 2023-24  
(ii) Summer Training 2023

After deliberate discussion, Academic Calender & Summer Training Schedule & modules were finalised. (Details Attached)

Members were requested to give their respective requirements

to the Lab-in-charge by Monday i.e. 12<sup>th</sup> June '2023.

Dr. Titendra & Dr. Ankita would be taking care of ST-23 poster, registration certificates & feedback.  
Following members were present:

Shruti

Nidhi  
9/6/2023

Msachdevs  
09/6/2023

Acharya  
Nigam  
9/6/2023

Nidhi  
09/6/2023

Raj

Pratikant

Ankita  
9/6/23

Ramgopal  
09/06/23

Chaudhary  
9/6/2023

Deepika Yadav  
(Dr. Deepika Yadav)  
Convener, DBT-SCS.

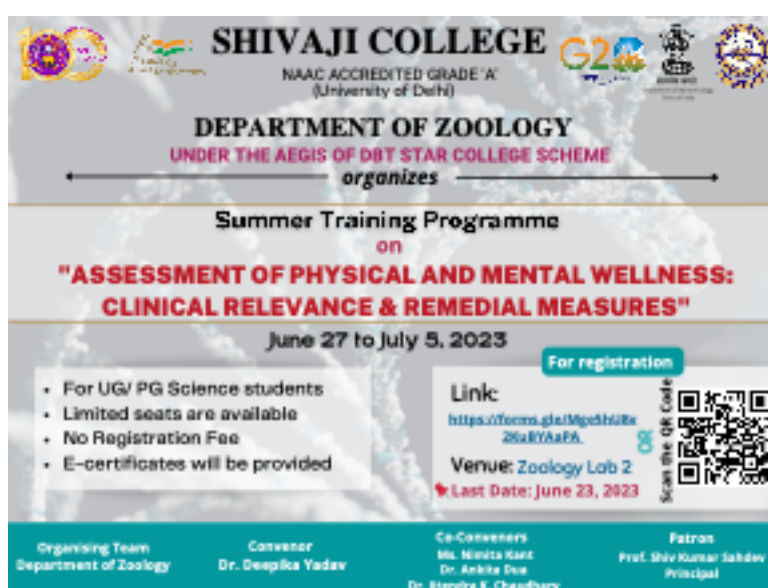
# **REPORT**

## **Summer Training under the aegis of DBT Star College Scheme organized by Department of Zoology, Shivaji College “Assessment of Physical & Mental Wellness: Clinical relevance & Remedial Measures”**

June 27 to July 5, 2023

Venue: Zoology Lab II

Number of Beneficiaries: 30 PAN India UG & PG Students



A hands-on summer training was conducted by the faculty members of Department of Zoology under the aegis of DBT Star College Scheme from June 27<sup>th</sup> – July 5<sup>th</sup> 2023 in Zoology Laboratories I and II. A total of six modules were conducted over this duration pertaining to assessment of physical and mental wellness and to educate the students about remedial measures as well to lead a healthy and balanced life ahead. The detailed reports of modules as well as pictures of the same are as follows:

### **Module I: Hemolytic Assay [June 27, 2023]**

Resource Persons: Dr. Rakesh Roshan & Dr. Deepika Yadav

A hemolysis assay is a laboratory test used to assess the ability of certain substances to lyse or rupture erythrocytes. Hemolysis can occur due to the action of various agents, such as

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toxins, chemicals, or enzymes. The assay is commonly used in medical and research settings for different purposes, including toxicity testing, drug development, immunological research, diagnostics and the study of various biological phenomena.

Students also gained hands-on experience for using micropipettes and handling equipment like cooling centrifuge, water bath, and microplate reader etc.



## Module II: Identification of Haemo-parasites [June 28, 2023]

Resource Persons: Dr. Neetu Singh

*Deepika Yadav*

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This module enhanced the understanding of the students on discrimination of morphological ambiguity of haemoparasites and also learned significant steps to prepare slide for their microscopic examination.



### Module III: Microbial Culturing of body fluids [June 30, 2023]

Resource Persons: Dr. Sunita Gupta & Dr. Nidhi Garg

Body fluid balance is essential for homeostasis. Body fluids can be used for the **diagnosis of any disease or medical condition**. In the current module we chose to use the body fluid saliva for conducting the experiments. **Saliva sample collection** is a simple, flexible, convenient, non-invasive, painless, economical and efficient method for obtaining DNA, RNA and for knowing the oral microbiome. This collection method will not cause any discomfort to the collectors, and is easy to be accepted, so it can maximize the sampling range of gene research. The students collected the saliva in a glass measuring cylinder and then diluted the saliva sample. This was followed by plating 100µl of the sample on LB Agar plate in the laminar flowhood and these plates were kept at 37°C in the incubator. The students then observed the culture plates the following day. Gram staining of the bacteria was carried out using the Gram staining kit (HiMedia) and both the Gram positive and Gram negative bacteria were observed under the microscope. The students were able to learn the following-

- Preparation of culture media and autoclaving.
- Pouring of culture media and preparation of LB agar plates.
- Working in laminar flow hood.
- Obtaining and processing the biological sample like saliva.
- Spreading of the biological sample on LB-agar plate.
- Gram staining of both Gram-positive and Gram-negative bacteria and their identification through the use of microscope.

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#### **Module IV: Assessment of BMI, BMR, Subcutaneous Fat Deposition, Harvard Step Test & Spirometry based Lung function Test [July 3, 2023]**

Resource Persons: Dr. Aeshna Nigam & Dr. Ankita Dua

In the current era of technology where every task is just a button click away, sedentary lifestyle is leading to major disorders even in the youth of this generation. This module was an eye-opener for all students as it lead to assessment of their physical well being by these tests:

- Assessment of BMI
- Assessment of BMR
- Checking for Subcutaneous Fat Deposition
- Calculating Physical Fitness Index (PFI) using Harvard Step Test
- Performing Spirometry based Lung function Tests

Students were told about the normal healthy ranges of these tests and even the ones that were border line dangerous values. They were counselled as well on how to lead a healthier lifestyle and exercise to lead heathy life.

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## Module V: Microtomy & Histopathological Study [July 4, 2023]

Resource Persons: Ms. Nimita Kant & Mr. Manish K. Sachdeva

On day 5 of the summer training, the participants were given an introduction to Histology, which is the branch of biology which studies the microscopic anatomy of biological tissues and the 'Basics Of Microtomy: Principles & Procedures'. The students were given hands on experience in handling the tissue and processing it to prepare permanent slide to observe various components of the cell. The sample and slide preparation is a crucial step for histological or cytological observation. It is essential to highlight what needs to be observed and to immobilize the sample at a particular point in time and with characteristics close to those of its living state. The students were able to gain hands-on experience in laboratory techniques, including tissue processing, embedding, sectioning, staining, and microscopy. We developed skills in using microtomes, preparing high-quality tissue sections, and performing staining procedures for visualizing cellular structures and pathological changes.

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## Module VI: Measurement of depression & anxiety using Hamilton rating scale [July 5, 2023]

Resource Persons: Dr. Jitendra K. Chaudhary & Dr. Tsewang Namgial

The lecture module relating to the measurement of depression and anxiety provided a comprehensive overview of assessment tools used in clinical practice and research. It highlighted the significance of accurate measurement in understanding and treating these mental health conditions. By discussing both self-report and clinician-rated measures, as well as specific tools for different

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anxiety disorders, the resource person emphasized the need for a nuanced and multifaceted approach to assessment.

Overall, the lecture successfully provided valuable insights into the measurement of depression and anxiety, equipping the participants with knowledge that can contribute to improved understanding of anxiety and depression.



### Certificate Template:



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Department of Zoology

Shivaji College

Summer Training under the aegis of DBT Star College Scheme

“Assessment of Physical & Mental Wellness: Clinical relevance & Remedial Measures”

(June 27 to July 5, 2023)

Module 1 : Hemolytic Assay, Date June 27, 2023

Time 10:00 a.m.-2:00 p.m.

Resource Person: Dr. Rakesh Roshan & Dr. Deepika Yadav

Attendance List of Participants

| S. N. | NAME OF STUDENT | COURSE                 | SEM | NAME OF COLLEGE | Signature                 |
|-------|-----------------|------------------------|-----|-----------------|---------------------------|
| 1.    | Mehul Verma     | B.Sc. (P) Life Science | 4   | Shivaji College | 9711337304<br>Mehul       |
| 2.    | Jatin Jindal    | B.Sc. (P) Life Science | 4   | Shivaji College | 9821956620<br>Jatin       |
| 3.    | Khushi Yadav    | B.Sc. (P) Life Science | 4   | Shivaji College |                           |
| 4.    | Prerna          | B.Sc. (P) Life Science | 4   | Shivaji College | 9728305310<br>Prerna      |
| 5.    | Mohit Deswal    | B.Sc. (H) Zoology      | 6   | Shivaji College | 9717954093<br>Mohit       |
| 6.    | Khushi Kumari   | B.Sc. (P) Life Science | 4   | Shivaji College | 9315003655<br>Khushi      |
| 7.    | Gungun Garg     | B.Sc. (P) Life Science | 4   | Shivaji College | 9212055986<br>Gungun Garg |

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|     |                    |                        |   |                            |                             |
|-----|--------------------|------------------------|---|----------------------------|-----------------------------|
| 8.  | Ajay Chauhan       | B.Sc. (P) Life Science | 4 | Shivaji College            | 9625738912<br>Ajay          |
| 9.  | Ritika Dewan       | B.Sc. (P) Life Science | 4 | Shivaji College            | 9810256498<br>Ritika        |
| 10. | Kunal              | B.Sc. (P) Life Science | 4 | Shivaji College            | 9654056061<br>Kunal         |
| 11. | Utkarsh Srivastava | B.Sc. (P) Life Science | 4 | Shivaji College            | 7838888057<br>Utkarsh       |
| 12. | Purnima Maurya     | B.Sc. (P) Life Science | 4 | Shivaji College            |                             |
| 13. | Jhalak Kalra       | B.Sc. (P) Life Science | 4 | Shivaji College            | 9871592992<br>Jhalak        |
| 14. | Lakshay Bhardwaj   | B.Sc. (H) Zoology      | 4 | Shivaji College            | 9466137032<br>Lakshay       |
| 15. | Hritika Shree      | B.Sc. (H) Zoology      | 4 | Shivaji College            | 9931618116<br>Hritika Shree |
| 16. | Sakshi Saini       | B.Sc. (H) Zoology      | 6 | Shivaji College            |                             |
| 17. | Sneha Goyal        | B.Sc. (H) Botany       | 4 | Shivaji College            |                             |
| 18. | Khushi             | B.Sc. (H) Zoology      | 4 | Shivaji College            |                             |
| 19. | PRIYA TALWAR       | B.Sc. (H) Zoology      | 4 | Shivaji College            |                             |
| 20. | Akansha            | B.Sc. (H) Zoology      | 4 | Shivaji College            |                             |
| 21. | Sarthak Kaushik    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College |                             |
| 22. | Saumya Sharma      | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College |                             |

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|     |                      |                        |   |                            |  |
|-----|----------------------|------------------------|---|----------------------------|--|
| 23. | Geetanjali Israni    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | 9315972375<br><i>Geetanjali</i>                  |
| 24. | Kajal kumari         | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | 8595336741<br><i>Kajal</i>                       |
| 25. | Pooja Pahel          | B.Sc. (H) Zoology      | 4 | Daulat Ram College         |  |
| 26. | Sunpreet Kaur        | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | 9821348433<br><i>Sunpreet Kaur</i>               |
| 27. | Diksha Negi          | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        |  |
| 28. | Ishpreet Kaur        | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | 8527882337<br><i>Ishpreet Kaur</i>               |
| 29. | Harpreet Kaur Sandhu | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | 9315079855<br><i>Harpreet K.</i>                 |
| 30. | Vimaldeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | 9811122561<br><i>Vimaldeep Kaur</i>              |
| 31. | Gurleen Kaur         | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        |  |
| 32. | Gagandeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | 8826212129<br><i>Gagandeep Kaur</i>              |
| 33. | Abhishek Choudhary   | M.Sc Microbiology      | 4 | Galgotias university       | <i>Abhishek</i> 9311161037                       |
| 34. | Ayan Ahmad           | M.Sc Microbiology      | 4 | Galgotias university       | <del>9311161037</del> <del>Shilpa</del>          |
| 35. | Shilpa               | M.Sc Microbiology      | 4 | Galgotias university       | 9548258067 <i>Shilpa</i>                         |
| 36. | Rakshita Dhyani      | B.Sc. (P) Life Science | 4 | Gargi College              | <del>9311161037</del> 9515835882 <i>Rakshita</i> |

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|     |                 |                           |   |                  |                             |
|-----|-----------------|---------------------------|---|------------------|-----------------------------|
|     |                 | Science                   |   |                  |                             |
| 37. | Trisha Mazumdar | B.Sc. (P) Life<br>Science | 4 | Gargi College    | 7011780424 <i>Trisha.</i>   |
| 38. | Muskan Gupta    | B.Sc. (H) Zoology         | 4 | Gargi College    |                             |
| 39. | Tanushree       | B.Sc. (H) Zoology         | 6 | Gargi College    | 6375394503 <i>Tanushree</i> |
| 40. | Spansh Grewasm  | B.Sc. (H) Zoology         | 6 | Shivaji college  | 9654594908 <i>Spansh</i>    |
| 41. | Pooja Kumari    | B.Sc. (H) Zoology         | 6 | Shivaji College  |                             |
| 42. | Riya Shanker    | B.Sc. (H) Zoology         | 6 | Shivaji College  |                             |
| 43. | Ajit            | B.Sc. (H) Zoology.        | 6 | Shivaji College. |                             |
|     |                 |                           |   |                  |                             |
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|     |                 |                           |   |                  |                             |
|     |                 |                           |   |                  |                             |

Signature Resource Person (s):

*Rajesh*

*Deepika Yadav*



Department of Zoology

Shivaji College

Summer Training under the aegis of DBT Star College Scheme

“Assessment of Physical & Mental Wellness: Clinical relevance & Remedial Measures”

(June 27 to July 5, 2023)

Module: Identification of Haemo-Parasites, Date. 28<sup>th</sup> June 2023

Time: 9 AM- 2 PM

Resource Person:

Attendance List of Participants

| S. N. | NAME OF STUDENT | COURSE                 | SEM | NAME OF COLLEGE | Signature     |
|-------|-----------------|------------------------|-----|-----------------|---------------|
| 1.    | Mehul Verma     | B.Sc. (P) Life Science | 4   | Shivaji College | <u>Mehul</u>  |
| 2.    | Jatin Jindal    | B.Sc. (P) Life Science | 4   | Shivaji College | ABSENT        |
| 3.    | Khushi Yadav    | B.Sc. (P) Life Science | 4   | Shivaji College | ABSENT        |
| 4.    | Prerna          | B.Sc. (P) Life Science | 4   | Shivaji College | <u>Prerna</u> |
| 5.    | Mohit Deswal    | B.Sc. (H) Zoology      | 6   | Shivaji College | <u>Mohit</u>  |
| 6.    | Khushi Kumari   | B.Sc. (P) Life Science | 4   | Shivaji College | <u>Khushi</u> |
| 7.    | Gungun Garg     | B.Sc. (P) Life Science | 4   | Shivaji College | ABSENT        |

Nigam Deepika Yadav

|     |                    |                        |   |                            |                      |
|-----|--------------------|------------------------|---|----------------------------|----------------------|
| 8.  | Ajay Chauhan       | B.Sc. (P) Life Science | 4 | Shivaji College            | <u>Ajay</u>          |
| 9.  | Ritika Dewan       | B.Sc. (P) Life Science | 4 | Shivaji College            | <u>Ritika</u>        |
| 10. | Kunal              | B.Sc. (P) Life Science | 4 | Shivaji College            | <u>Kunal</u>         |
| 11. | Utkarsh Srivastava | B.Sc. (P) Life Science | 4 | Shivaji College            | <u>Utkarsh</u>       |
| 12. | Purnima Maurya     | B.Sc. (P) Life Science | 4 | Shivaji College            | ABSENT               |
| 13. | Jhalak Kalra       | B.Sc. (P) Life Science | 4 | Shivaji College            | <u>Jhalak</u>        |
| 14. | Lakshay Bhardwaj   | B.Sc. (H) Zoology      | 4 | Shivaji College            | <u>Lakshay</u>       |
| 15. | Hritika Shree      | B.Sc. (H) Zoology      | 4 | Shivaji College            | <u>Hritika Shree</u> |
| 16. | Sakshi Saini       | B.Sc. (H) Zoology      | 6 | Shivaji College            | <u>Sakshi</u>        |
| 17. | Sneha Goyal        | B.Sc. (H) Botany       | 4 | Shivaji College            | ABSENT               |
| 18. | Khushi             | B.Sc. (H) Zoology      | 4 | Shivaji College            | ABSENT               |
| 19. | Priya Talwar       | B.Sc. (H) Zoology      | 4 | Shivaji College            | <u>Priya</u>         |
| 20. | Akansha            | B.Sc. (H) Zoology      | 4 | Shivaji College            | <u>Akansha</u>       |
| 21. | Sarthak Kaushik    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | <u>Sarthak</u>       |
| 22. | Saumya Sharma      | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | <u>Saumya</u>        |

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|     |                      |                        |   |                            |                       |
|-----|----------------------|------------------------|---|----------------------------|-----------------------|
| 23. | Geetanjali Israni    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | <u>Gisrani</u> . .    |
| 24. | Kajal kumari         | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | <u>Kajal</u> .        |
| 25. | Pooja Pahel          | B.Sc. (H) Zoology      | 4 | Daulat Ram College         |                       |
| 26. | Sunpreet Kaur        | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | <u>Sunpreet Kaur</u>  |
| 27. | Diksha Negi          | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | ABSENT                |
| 28. | Ishpreet Kaur        | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | <u>Ishpreet</u>       |
| 29. | Harpreet Kaur Sandhu | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | <u>Harpreet K.</u>    |
| 30. | Vimaldeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | <u>Vimaldeep Kaur</u> |
| 31. | Gurleen Kaur         | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | ABSENT                |
| 32. | Gagandeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | <u>Gagandeep Kaur</u> |
| 33. | Abhishek Choudhary   | M.Sc Microbiology      | 4 | Galgotias university       | <u>Abhishek</u>       |
| 34. | Ayan Ahmad           | M.Sc Microbiology      | 4 | Galgotias university       | ABSENT                |
| 35. | Shilpa               | M.Sc Microbiology      | 4 | Galgotias university       | <u>Shilpa</u>         |
| 36. | Rakshita Dhyani      | B.Sc. (P) Life Science | 4 | Gargi College              | <u>Rakshita</u>       |

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|     |                 |                        |   |                     |                        |
|-----|-----------------|------------------------|---|---------------------|------------------------|
|     |                 | Science                |   |                     |                        |
| 37. | Trisha Mazumdar | B.Sc. (P) Life Science | 4 | Gargi College       | <u>Trisha</u>          |
| 38. | Muskan Gupta    | B.Sc. (H) Zoology      | 4 | Gargi College       | ABSENT                 |
| 39. | Tanushree       | B.Sc. (H) Zoology      | 6 | Gargi College       | <u>Tanushree</u>       |
| 40. | Pooja Kumari    | B.Sc. (H) Zoology      | 6 | Shivaji College     | <u>Pooja</u>           |
| 41. | Sparsh Goswami  | B.Sc. (H) Zoology      | 6 | Shivaji College     | <u>Sparsh</u>          |
| 42. | Riya Shanker    | B.Sc. (H) Zoology      | 6 | Shivaji College     | <u>Riya</u>            |
| 43. | Ajit            | B.Sc. (H) Zoology      | 6 | Shivaji College     | <u>Ajit</u>            |
| 44  | Charanjeet Kaur | B.Sc. (P) Life Science | 6 | SUTB Khalsa College | <u>Charanjeet Kaur</u> |
|     |                 |                        |   |                     |                        |
|     |                 |                        |   |                     |                        |
|     |                 |                        |   |                     |                        |
|     |                 |                        |   |                     |                        |

Signature Resource Person (s):

Neetu Singh  
28/June/2023  
(Dr. Neetu Singh)

Neetu Singh

Deepika Yadav

Department of Zoology

Shivaji College

Summer Training under the aegis of DBT Star College Scheme

“Assessment of Physical & Mental Wellness: Clinical relevance & Remedial Measures”

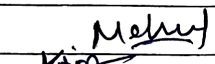

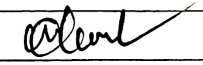
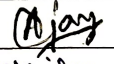
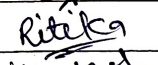
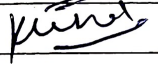
(June 27 to July 5, 2023)

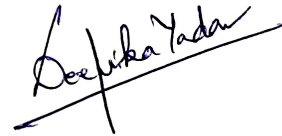
Module: Microbial Culture of body fluids, Date: 30.6.2023

Time: 9.00 am - 4.30 pm

Resource Person: Dr. Nidhi Garg & Dr. Sumita Gupta

Attendance List of Participants

| S. N. | NAME OF STUDENT    | COURSE                 | SEM | NAME OF COLLEGE | Signature   |
|-------|--------------------|------------------------|-----|-----------------|---|
| 1.    | Mehul Verma        | B.Sc. (P) Life Science | 4   | Shivaji College |    |
| 2.    | Jatin Jindal       | B.Sc. (P) Life Science | 4   | Shivaji College |    |
| 3.    | Khushi Yadav       | B.Sc. (P) Life Science | 4   | Shivaji College |   |
| 4.    | Prerna             | B.Sc. (P) Life Science | 4   | Shivaji College |   |
| 5.    | Mohit Deswal       | B.Sc. (H) Zoology      | 6   | Shivaji College |    |
| 6.    | Khushi Kumari      | B.Sc. (P) Life Science | 4   | Shivaji College |   |
| 7.    | Gungun Garg        | B.Sc. (P) Life Science | 4   | Shivaji College |   |
| 8.    | Ajay Chauhan       | B.Sc. (P) Life Science | 4   | Shivaji College |  |
| 9.    | Ritika Dewan       | B.Sc. (P) Life Science | 4   | Shivaji College |  |
| 10.   | Kunal              | B.Sc. (P) Life Science | 4   | Shivaji College |  |
| 11.   | Utkarsh Srivastava | B.Sc. (P) Life Science | 4   | Shivaji College |   |
| 12.   | Purnima Maurya     | B.Sc. (P) Life Science | 4   | Shivaji College |   |





|     |                      |                        |   |                            |                |
|-----|----------------------|------------------------|---|----------------------------|----------------|
| 13. | Jhalak Kalra         | B.Sc. (P) Life Science | 4 | Shivaji College            | Jhalak Kalra   |
| 14. | Lakshay Bhardwaj     | B.Sc. (H) Zoology      | 4 | Shivaji College            |                |
| 15. | Hritika Shree        | B.Sc. (H) Zoology      | 4 | Shivaji College            | Hritika Shree  |
| 16. | Sakshi Saini         | B.Sc. (H) Zoology      | 6 | Shivaji College            | Sakshi         |
| 17. | Sneha Goyal          | B.Sc. (H) Botany       | 4 | Shivaji College            |                |
| 18. | Khushi               | B.Sc. (H) Zoology      | 4 | Shivaji College            |                |
| 19. | PRIYA TALWAR         | B.Sc. (H) Zoology      | 4 | Shivaji College            | Priya          |
| 20. | Akansha              | B.Sc. (H) Zoology      | 4 | Shivaji College            | Akansha        |
| 21. | Sarthak Kaushik      | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Sarthak        |
| 22. | Saumya Sharma        | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Saumya         |
| 23. | Geetanjali Israni    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Geetanjali     |
| 24. | Kajal kumari         | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Kajal          |
| 25. | Pooja Pahel          | B.Sc. (H) Zoology      | 4 | Daulat Ram College         |                |
| 26. | Sunpreet Kaur        | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | Sunpreet Kaur  |
| 27. | Diksha Negi          | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        |                |
| 28. | Ishpreet Kaur        | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | Kaur           |
| 29. | Harpreet Kaur Sandhu | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | Harpreet K.    |
| 30. | Vimaldeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | Vimaldeep Kaur |
| 31. | Gurleen Kaur         | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        |                |

Deepika Yadav

|     |                          |                        |   |                      |                            |
|-----|--------------------------|------------------------|---|----------------------|----------------------------|
| 32. | Gagandeep Kaur           | B.Sc. (P) Life Science | 4 | SGTB Khalsa College  | <del>Gagandeep Kaur</del>  |
| 33. | Abhishek Choudhary       | M.Sc Microbiology      | 4 | Galgotias university | <del>Abhishek</del>        |
| 34. | Ayan Ahmad               | M.Sc Microbiology      | 4 | Galgotias university |                            |
| 35. | Shilpa                   | M.Sc Microbiology      | 4 | Galgotias university | <del>Shilpa</del>          |
| 36. | Rakshita Dhyani          | B.Sc. (P) Life Science | 4 | Gargi College        | <del>Rakshita</del>        |
| 37. | Trisha Mazumdar          | B.Sc. (P) Life Science | 4 | Gargi College        | <del>Trisha</del>          |
| 38. | Muskan Gupta             | B.Sc. (H) Zoology      | 4 | Gargi College        |                            |
| 39. | Tanushree                | B.Sc. (H) Zoology      | 6 | Gargi College        | <del>Tanushree</del>       |
| 40. | Spanish Goswami          | B.Sc. (H) Zoology      | 6 | Shivaji college      | <del>Spanish</del>         |
| 41. | Charanjeet Kaur Malhotra | B.Sc. (P) Life Science | 6 | SGTB Khalsa College  | <del>Charanjeet Kaur</del> |
|     |                          |                        |   |                      |                            |
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Signature Resource Person (s):

*Malhotra*  
30/6/2023

*Deepika Yadav*

**Department of Zoology**  
**Shivaji College**  
**Summer Training under the aegis of DBT Star College Scheme**  
**“Assessment of Physical & Mental Wellness: Clinical relevance & Remedial Measures”**  
(June 27 to July 5, 2023)

**Module: Physical Fitness Assessment; Date: July 3, 2023**

**Time: 9am**

**Resource Persons: Dr. Aeshna Nigam & Dr. Ankita Dua**

**Attendance List of Participants**

| S. N. | NAME OF STUDENT | COURSE                 | SEM | NAME OF COLLEGE | Signature |
|-------|-----------------|------------------------|-----|-----------------|-----------|
| 1.    | Mehul Verma     | B.Sc. (P) Life Science | 4   | Shivaji College | Mehul     |
| 2.    | Jatin Jindal    | B.Sc. (P) Life Science | 4   | Shivaji College | Jatin     |
| 3.    | Khushi Yadav    | B.Sc. (P) Life Science | 4   | Shivaji College | -         |
| 4.    | Prerna          | B.Sc. (P) Life Science | 4   | Shivaji College | Prerna    |
| 5.    | Mohit Deswal    | B.Sc. (H) Zoology      | 6   | Shivaji College | Mohit     |
| 6.    | Khushi Kumari   | B.Sc. (P) Life Science | 4   | Shivaji College | Khushi    |
| 7.    | Gungun Garg     | B.Sc. (P) Life Science | 4   | Shivaji College | -         |
| 8.    | Ajay Chauhan    | B.Sc. (P) Life Science | 4   | Shivaji College | Ajay      |
| 9.    | Ritika Dewan    | B.Sc. (P) Life Science | 4   | Shivaji College | Ritika    |
| 10.   | Kunal           | B.Sc. (P) Life Science | 4   | Shivaji College | Kunal     |

*Aeshna Nigam*

*Deeksha Yadav*

|     |                      |                        |   |                            |                |
|-----|----------------------|------------------------|---|----------------------------|----------------|
| 11. | Utkarsh Srivastava   | B.Sc. (P) Life Science | 4 | Shivaji College            | Utkarsh        |
| 12. | Purnima Maurya       | B.Sc. (P) Life Science | 4 | Shivaji College            | -              |
| 13. | Jhalak Kalra         | B.Sc. (P) Life Science | 4 | Shivaji College            | Jhalak         |
| 14. | Lakshay Bhardwaj     | B.Sc. (H) Zoology      | 4 | Shivaji College            | Lakshay        |
| 15. | Hritika Shree        | B.Sc. (H) Zoology      | 4 | Shivaji College            | Hritika Shree  |
| 16. | Sakshi Saini         | B.Sc. (H) Zoology      | 6 | Shivaji College            | -              |
| 17. | Sneha Goyal          | B.Sc. (H) Botany       | 4 | Shivaji College            | -              |
| 18. | Khushi               | B.Sc. (H) Zoology      | 4 | Shivaji College            | -              |
| 19. | Priya Talwar         | B.Sc. (H) Zoology      | 4 | Shivaji College            | Priya          |
| 20. | Akansha              | B.Sc. (H) Zoology      | 4 | Shivaji College            | Akansha        |
| 21. | Sarthak Kaushik      | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Sarthak        |
| 22. | Saumya Sharma        | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Saumya         |
| 23. | Geetanjali Israni    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Geetanjali     |
| 24. | Kajal kumari         | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | Kajal          |
| 25. | Pooja Pahel          | B.Sc. (H) Zoology      | 4 | Daulat Ram College         | -              |
| 26. | Sunpreet Kaur        | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | -              |
| 27. | Diksha Negi          | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | -              |
| 28. | Ishpreet Kaur        | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | Ishpreet K.    |
| 29. | Harpreet Kaur Sandhu | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | Harpreet K.    |
| 30. | Vimaldeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | Vimaldeep Kaur |
| 31. | Gurleen Kaur         | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | -              |
| 32. | Gagandeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | Gagandeep Kaur |
| 33. | Abhishek Choudhary   | M.Sc Microbiology      | 4 | Galgotias university       | Abhishek       |

Abhishek

Deepika Yadav



|     |                          |                        |   |                      |                            |
|-----|--------------------------|------------------------|---|----------------------|----------------------------|
| 34. | Ayan Ahmad               | M.Sc Microbiology      | 4 | Galgotias university | -                          |
| 35. | Shilpa                   | M.Sc Microbiology      | 4 | Galgotias university | <del>Shilpa</del>          |
| 36. | Rakshita Dhyani          | B.Sc. (P) Life Science | 4 | Gargi College        | <del>Rakshita</del>        |
| 37. | Trisha Mazumdar          | B.Sc. (P) Life Science | 4 | Gargi College        | <del>Trisha</del>          |
| 38. | Muskan Gupta             | B.Sc. (H) Zoology      | 4 | Gargi College        | -                          |
| 39. | Tanushree                | B.Sc. (H) Zoology      | 6 | Gargi College        | <del>Tanushree</del>       |
| 40. | Ajit Kumar               | B.Sc. (H) Zoology      | 6 | Shivaji College      | -                          |
| 41. | Riya Shanker             | B.Sc. (H) Zoology      | 6 | Shivaji College      | -                          |
| 42. | Pooja Kumari             | B.Sc. (H) Zoology      | 6 | Shivaji College      | -                          |
| 43. | Charanjeet Kaur Malkotia | B.Sc. (P) Life Science | 6 | SGTB Khalsa College  | <del>Charanjeet Kaur</del> |
|     |                          |                        |   |                      |                            |
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Signature Resource Person (s):

*Ankita Jaiswal*  
3/7/2023

*Deepika Yadav*



Department of Zoology

Shivaji College

Summer Training under the aegis of DBT Star College Scheme

“Assessment of Physical & Mental Wellness: Clinical relevance & Remedial Measures”

(June 27 to July 5, 2023)


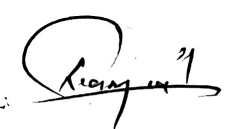
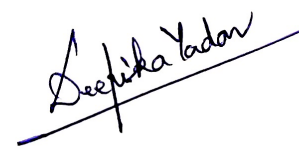
Module: Measurement of depression & anxiety using Hamilton rating scale Date. 5 July, 2023

Time: 9:30 - 12:30

Resource Person:

Attendance List of Participants

| S. N. | NAME OF STUDENT | COURSE                 | SEM | NAME OF COLLEGE | Signature |
|-------|-----------------|------------------------|-----|-----------------|-----------|
| 1.    | Mehul Verma     | B.Sc. (P) Life Science | 4   | Shivaji College | Mehul     |
| 2.    | Jatin Jindal    | B.Sc. (P) Life Science | 4   | Shivaji College | Jatin     |
| 3.    | Khushi Yadav    | B.Sc. (P) Life Science | 4   | Shivaji College |           |
| 4.    | Prerna          | B.Sc. (P) Life Science | 4   | Shivaji College |           |
| 5.    | Mohit Deswal    | B.Sc. (H) Zoology      | 6   | Shivaji College | Mohit     |
| 6.    | Khushi Kumari   | B.Sc. (P) Life Science | 4   | Shivaji College | Khushi    |
| 7.    | Gungun Garg     | B.Sc. (P) Life Science | 4   | Shivaji College |           |

|     |                    |                           |   |                               |                      |
|-----|--------------------|---------------------------|---|-------------------------------|----------------------|
| 8.  | Ajay Chauhan       | B.Sc. (P) Life<br>Science | 4 | Shivaji College               | <u>Ajay</u>          |
| 9.  | Ritika Dewan       | B.Sc. (P) Life<br>Science | 4 | Shivaji College               | <u>Ritika</u>        |
| 10. | Kunal              | B.Sc. (P) Life<br>Science | 4 | Shivaji College               |                      |
| 11. | Utkarsh Srivastava | B.Sc. (P) Life<br>Science | 4 | Shivaji College               | <u>Utkarsh</u>       |
| 12. | Purnima Maurya     | B.Sc. (P) Life<br>Science | 4 | Shivaji College               |                      |
| 13. | Jhalak Kalra       | B.Sc. (P) Life<br>Science | 4 | Shivaji College               | <u>Jhalak Kalra</u>  |
| 14. | Lakshay Bhardwaj   | B.Sc. (H) Zoology         | 4 | Shivaji College               | <u>Lakshay</u>       |
| 15. | Hritika Shree      | B.Sc. (H) Zoology         | 4 | Shivaji College               | <u>Hritika Shree</u> |
| 16. | Sakshi Saini       | B.Sc. (H) Zoology         | 6 | Shivaji College               |                      |
| 17. | Sneha Goyal        | B.Sc. (H) Botany          | 4 | Shivaji College               |                      |
| 18. | Khushi             | B.Sc. (H) Zoology         | 4 | Shivaji College               |                      |
| 19. | Priya Talwar       | B.Sc. (H) Zoology         | 4 | Shivaji College               | <u>Priya</u>         |
| 20. | Akansha            | B.Sc. (H) Zoology         | 4 | Shivaji College               | <u>Akansha</u>       |
| 21. | Sarthak Kaushik    | B.Sc. (P) Life<br>Science | 4 | Swami Shraddhanand<br>College | <u>Sarthak</u>       |
| 22. | Saumya Sharma      | B.Sc. (P) Life<br>Science | 4 | Swami Shraddhanand<br>College | <u>Saumya</u>        |

Jhalak Ritika Deepika Yadav

|     |                      |                        |   |                            |                       |
|-----|----------------------|------------------------|---|----------------------------|-----------------------|
| 23. | Geetanjali Israni    | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | <u>Geetanjali</u>     |
| 24. | Kajal kumari         | B.Sc. (P) Life Science | 4 | Swami Shraddhanand College | <u>Kajal</u>          |
| 25. | Pooja Pahel          | B.Sc. (H) Zoology      | 4 | Daulat Ram College         |                       |
| 26. | Sunpreet Kaur        | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | <u>Sunpreet Kaur</u>  |
| 27. | Diksha Negi          | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        |                       |
| 28. | Ishpreet Kaur        | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | <u>Ishpreet</u>       |
| 29. | Harpreet Kaur Sandhu | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        | <u>Harpreet K.</u>    |
| 30. | Vimaldeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | <u>Vimaldeep Kaur</u> |
| 31. | Gurleen Kaur         | B.Sc. (P) Life Science | 6 | SGTB Khalsa College        |                       |
| 32. | Gagandeep Kaur       | B.Sc. (P) Life Science | 4 | SGTB Khalsa College        | <u>Gagandeep Kaur</u> |
| 33. | Abhishek Choudhary   | M.Sc Microbiology      | 4 | Galgotias university       | <u>Abhishek</u>       |
| 34. | Ayan Ahmad           | M.Sc Microbiology      | 4 | Galgotias university       |                       |
| 35. | Shilpa               | M.Sc Microbiology      | 4 | Galgotias university       |                       |
| 36. | Rakshita Dhyani      | B.Sc. (P) Life Science | 4 | Gargi College              | <u>Rakshita</u>       |

Dr. R. Singh

Deepika Yadav



|     |                          |                        |   |                     |                        |
|-----|--------------------------|------------------------|---|---------------------|------------------------|
|     |                          | Science                |   |                     |                        |
| 37. | Trisha Mazumdar          | B.Sc. (P) Life Science | 4 | Gargi College       | <u>Trisha</u>          |
| 38. | Muskan Gupta             | B.Sc. (H) Zoology      | 4 | Gargi College       |                        |
| 39. | Tanushree                | B.Sc. (H) Zoology      | 6 | Gargi College       | <u>Tanushree</u>       |
| 40. | Charanjeet Kaur Malhotra | B.Sc. (P) Life Science | 6 | SGTB Khalsa College | <u>Charanjeet Kaur</u> |
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|     |                          |                        |   |                     |                        |

Signature Resource Person (s):

Dr. Jitendra Kumar Chandelhary JK Chandelhary  
5/7/2023

Dr. Tsewang Namgyal Tsewang Namgyal  
5/7/2023

Deelika Yadav