



**Sonopant Dandekar Shikshan Mandali's  
Sonopant Dandekar Arts, V.S. Apte Commerce  
and M.H. Mehta Science College, Palghar**

**Name of the activity: Workshop on Bioinformatics**

**Place of the activity: IT laboratory,  
Sonopant Dandekar College,  
Palghar**

**Prepared by:  
Department of Biotechnology**

Letter Communication with the Organization:



Sonopant Dandekar Shikshan Mandal's  
**SONOPANT DANDEKAR ARTS, V. S. APTE COMMERCE  
AND M. H. MEHTA SCIENCE COLLEGE**

Palghar, Dist. Palghar, Pin - 401 404.

Code : (02525) 252163, Prin : 252317 • Resl. : 252316

website : [www.sdsmcollege.com](http://www.sdsmcollege.com) • Email: [sdsmcollege@yahoo.com](mailto:sdsmcollege@yahoo.com)

Ref. No. :

To,

Dr. Ganesh Lad  
Assistant professor,  
Biotechnology Department,  
VIVA College, Virar.

Date : 11/12/18

Subject: Request to conduct a workshop on bioinformatics.

Respected Sir,

On behalf of Biotechnology department of Sonopant Dandekar College I would request you to conduct a workshop for S.Y.BSc. students on some topics related to bioinformatics. As per an oral conversation we have decided on conducting this workshop on first three Saturdays of January 2019.

The lists of topics are as follows-

**Theory-**

1. Protein databases based on composition
2. Motifs and patterns
3. Protein structure visualization software

**Practicals-**

1. Pairwise and multiple sequence alignment and phylogeny.
2. Visualization PDB molecules using Rasmol/Raswin
3. Primer designing through open online source NCBI-BLAST

Thanking You.

Yours Sincerely,

Dr. Kiran Save

(Principal)  
**Principal**

Sonopant Dandekar Arts College  
V. S. Apte Commerce College &  
M. H. Mehta Science College,  
PALGHAR (W.R.)  
Dist. Palghar, Pin 401 404.

Received with thanks

DLW  
19/1/19



Sonopant Dandekar Shikshan Mandali's

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To,  
Ref. No. Mubeen Shaikh  
Assistant professor,  
Biotechnology Department,  
VIVA College, Virar.

Date : 21/12/18

Subject: Request to conduct a workshop on bioinformatics.

Respected Sir,

On behalf of Biotechnology department of Sonopant Dandekar College I would request you to conduct a workshop for S.Y.BSc. students on some topics related to bioinformatics. As per an oral conversation we have decided on conducting this workshop on first three Saturdays of January 2019.

The lists of topics are as follows-

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**Practicals-**

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2. Visualization PDB molecules using Rasmol/Raswin
3. Primer designing through open online source NCBI-BLAST

Thanking You.

*R. Save*

Yours Sincerely,

*Kiran Save*

Dr. Kiran Save

(Principal)  
**Principal**  
Sonopant Dandekar Arts College  
V. S. Apte Commerce College &  
M. H. Mehta Science College,  
PALGHAR (W.R.)  
Dist. Palghar, Pin 401 404.



Sonopant Dandekar Shikshan Mandali's

**SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE AND  
M.H. MEHTA SCIENCE COLLEGE, PALGHAR**

Palghar, Dist. – Palghar, Pin – 401 404, E – Mail: sdsmcollege@yahoo.com

**2<sup>nd</sup> January, 2019**

## **NOTICE**

The Department of Biotechnology has organized a Three Days Workshop on Bioinformatics for its students. The workshop aims to study various applications in Bioinformatics.

The Workshop is scheduled on **05<sup>th</sup>, 09<sup>th</sup> and 19<sup>th</sup> January, 2019**. We strongly encourage you to attend this workshop.

**Dr. Shilpa M. Gharat**

Head, Department of  
Biotechnology

# BIOINFO

Sy. Biotech

|          |  |
|----------|--|
| Page No. |  |
| Date     |  |

| <u>Name</u>                  | <u>Sign</u>       |
|------------------------------|-------------------|
| 1 / Gangi. D. Kaintura       | <u>Gaintura</u>   |
| 2 / Diksha. H. Sankhe        | <u>Sankhe</u>     |
| 3 / Ananth U. Naik           | <u>Anant</u>      |
| 4 / Anur M. Naik             | <u>Anur</u>       |
| 5 / Riju . C. Mishra         | <u>Riju</u>       |
| 6 / Pratiksha Vishnu Tumbalo | <u>Pratiksha</u>  |
| 7 / Priyanka Lalan Themkar   | <u>Priyanka</u>   |
| 8 / Kajal Aril Khilase       | <u>Kajal</u>      |
| 9 / Neha waghare             | <u>Neha</u>       |
| 10 / Prathamesh Kane         | <u>Prathamesh</u> |
| 11 / Snehal Meher            | <u>Snehal</u>     |
| 12 / Rachita . Dandekar      | <u>Rachita</u>    |
| 13 / Manji Goenka            | <u>Manji</u>      |
| 14 / Rutuja Lonare           | <u>Rutuja</u>     |
| 15 / Avishkar . Patil        | <u>Avishkar</u>   |

18. Akanksha Niranjan Umale Amaly
19. Sakshi Hanishwar Mali Amali
20. Yadav Shivraj Lalchand Sorej Shivraj
21. Mahata Manu Harendra kismati devi Amali
22. Yadav Anoj Kumar Santlal Pramila @srujan
23. Anon Abhay Mishra 1 Shayla



**Letter of Appreciation:**



Sonopant Dandekar Shikshan Mandali's  
**SONOPANT DANDEKAR ARTS, V. S. APTE COMMERCE  
AND M. H. MEHTA SCIENCE COLLEGE**

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To,  
Ref. No. Dr. Ganesh Lad  
Assistant professor,  
Biotechnology Dept.  
VIVA College, Virar.

Date : 19/01/19

Subject:- Letter of appreciation as a Guest lecturer.

Respected Sir,

On behalf of Biotechnology department of Sonopant Dandekar College I would like to thank you for conducting a workshop on bioinformatics for S.Y.B.Sc Biotechnology students on 05/01/2019, 09/01/2019 and 19/01/2019 as per an oral conversation. Your workshop was very helpful. It was a nice experience for our students to hear your ideas and have an insight about the subject.

We are thankful for your presence and guidance.

Thanking You.

Yours Sincerely,

Dr. Kiran Save

Principal.

**Principal**  
Sonopant Dandekar Arts College  
V. S. Apte Commerce College &  
M. H. Mehta Science College,  
PALGHAR (W.R.)  
Dist. Palghar, Pin 401 404.

Received with thanks  
19/01/19



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Ref. No. :

Date : 19/01/19

To,  
Mr. Mubeen Shaikh  
Assistant professor,  
Biotechnology Dept.  
VIVA College, Virar.

Subject:- Letter of appreciation as a Guest lecturer.

Respected Sir,

On behalf of Biotechnology department of Sonopant Dandekar College I would like to thank you for conducting a workshop on bioinformatics for S.Y.B.Sc Biotechnology students on 05/01/2019, 09/01/2019 and 19/01/2019 as per an oral conversation. Your workshop was very helpful. It was a nice experience for our students to hear your ideas and have an insight about the subject.

We are thankful for your presence and guidance.

Thanking You.

*Shaikh*  
19/01/19

Yours Sincerely,

Dr. Kiran Save

Principal.

**Principal**  
Sonopant Dandekar Arts College  
V. S. Apte Commerce College &  
M. H. Mehta Science College,  
PALGHAR (W.R.)  
Dist. Palghar, Pin 401 404.



# **Department of Biotechnology**

## **EVENT REPORT**

**Name of the Event - Workshop on Bioinformatics**

**Date - 05/01/2019, 09/01/19 and 19/01/19**

**Time - 10.00 am to 3.00 pm**

**No. of Students Participated – 23**

**Aim-** To study various applications in Bioinformatics.

**Event Objectives –**

- To familiarize students with the basic concepts of Bioinformatics and its significance in Biological data analysis.
- To gain knowledge about various Biological databases that provide information about nucleic acids and protein.
- To give overview about types and Biological data and database search tools.
- To get exposed to computational methods and tools employed for Biological Data Interpretation.

**Learning Outcome –**

- Bioinformatics is information technology applied to the management and analysis of biological data with the aid of computers.
- This workshop will help students to understand the role of computers in getting information to understand biology.
- Students will learn about how biological information is collected, compared, studied and analyzed to find the interrelation between them for solving structural, functional and evolutionary problems using computational technologies.
- They will learn to use different biological databases and tools available online through the internet for analysis of biological data.

### **Post Event Report –**

- Department of Biotechnology has organized a three day **workshop on Bioinformatics** for S.Y. Biotech students. The workshop was conducted **by Dr. Ganesh Lad, Viva college, Virar and Prof. Mubeen Shaikh ,Viva college, Virar.**
- The speakers highlighted various applications in Bioinformatics, which plays a crucial role in today's biological research. This workshop helped students to understand various tools used in bioinformatics to study biological data such as genomic data, protein-sequence data and structural data of macromolecules. This workshop provided an in-depth knowledge of advanced bioinformatics programmes.



**Dr. Shilpa M. Gharat**

Head, Department of  
Biotechnology

**Photographs of the workshop:**

