

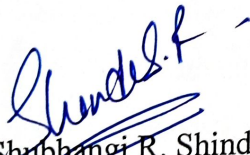
**P.D.E.A.'s Annasaheb Magar College, Hadapsar, Pune-28**


**Department of Microbiology (2020-21)**

**Notice**

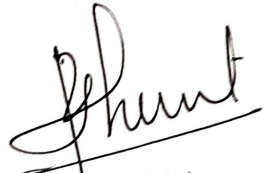
All the students of **F.Y.B.Sc. (B group)** are hereby informed that Microbiology Department is organizing a '**Online Certificate Course 2020-21** on "**Importance of Sterilization and Staining techniques**" (MBCF 1) from 20/10/2020 to 27/11/2020. The course will be of 30 hours including theory and practicals. Students who are interested to participate in certificate course, can get enrolled before 15<sup>th</sup> October 2020.


Resource person: Dr. Neha N. Patil and Dr. Shubhangi R. Shinde
Dates of online course: 20.10.2020 to 27.11.2020
Time: 10 am to 12 pm
Mode of online teaching : Zoom

  
Dr. Shubhangi R. Shinde  
Course coordinator

  
Dr. Neha N. Patil  
Head, Department of  
Microbiology

**Head**  
**Department of Microbiology**  
**Annasaheb Magar Mahavidyalaya**  
**Hadapsar, Pune - 411028**

  
Dr. P. R. Mulay  
Vice principal

  
Dr. P. N. Shelke  
Principal

**Principal**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune-411028.**

**Department of Microbiology**  
**Certificate Course for F Y B Sc 2020 -2021**  
**Course code - MBCF1-2020-21**

**Title: Importance of sterilization and staining techniques**  
**Syllabus** **Duration – 30 Hours**

Sr.No.	Topic for theory and Practical	No. of lectures	No. of Practical
1	Cleaning of glassware	01	01
2	Fumigation and Glassware wrapping for sterilization	01	01
3	Working of autoclave	01	01
4	Efficiency of autoclave	01	01
5	Dry heat sterilization	01	01
6	Sterilization of media	01	01
7	Sterilization of cell culture media	01	01
8	Safety precautions in microbiology lab	01	01
9	Simple staining methods	01	01
10	Differential staining techniques	01	01
11	Gram character - KOH method	01	01
12	Special staining techniques	01	01
13	Staining of flagella	01	01
14	Staining of nuclear material	01	01
15	Staining of cell wall	01	01



Dr. Neha N. Patil  
Head

Department of  
Microbiology

**Head**

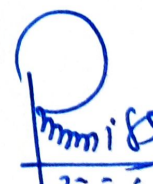
**Department of Microbiology**  
**Annasaheb Magar Mahavidyalaya**  
**Hadapsar, Pune - 411028**



Dr. R.P. Joshi  
IQAC Coordinator



Dr. P.R. Mulay  
Vice principal



Dr. P.N. Shelke  
Principal

**Principal**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune-411028.**



**P.D.E.A.'s Annasaheb Magar College, Hadapsar, Pune-28**

**Department of Microbiology (2020-21)**

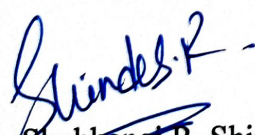
**Time table and details of the course**


Time: 10.00 am – 12.00 pm ( 2 Lectures )  
2020-21

Course code - MBCF1-

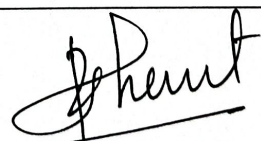
Duration – 30 hours


Sr.No.	Date	Topic	Speaker
1	20/10/2020	Working of autoclave	Dr. S.R.Shinde
2	21/10/2020	Efficiency of autoclave	Dr. S.R.Shinde
3	26/10/2020	Sterilization of cell culture media	Dr. S.R.Shinde
4	27/10/2020	Safety precautions in microbiology lab	Dr. S.R.Shinde
5	28/10/2020	Gram character - KOH method	Dr. S.R.Shinde
6	02/11/2020	Special staining techniques	Dr. S.R.Shinde
7	03/11/2020	Staining of nuclear material	Dr. S.R.Shinde
8	04/11/2020	Staining of cell wall	Dr. S.R.Shinde
9	05/11/2020	Cleaning of glassware	Dr. N. N. Patil
10	06/11/2020	Fumigation and Glassware wrapping for sterilization	Dr. N. N. Patil
11	07/11/2020	Dry heat sterilization	Dr. N. N. Patil
12	20/11/2020	Sterilization of media	Dr. N. N. Patil
13	21/11/2020	Simple staining methods	Dr. N. N. Patil
14	26/11/2020	Differential staining techniques	Dr. N. N. Patil
15	27/11/2020	Staining of flagella	Dr. N. N. Patil

  
Dr. Shubhangi R. Shinde  
Course coordinator

  
Dr. Neha N. Patil  
Head, Department of  
Microbiology

**Head**  
**Department of Microbiology**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune - 411028**

  
Dr. P. R. Mulay  
Vice principal

  
Dr. P. N. Shelke  
Principal

**Principal**  
**Annasaheb Magar Mahavidyalaya,**  
**Hadapsar, Pune-411028.**



P.D.E.A.'s

Annasaheb Magar Mahavidyalaya, Hadapsar, Pune-28

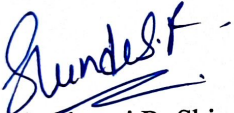
Department of Microbiology (U.G.)


Date:- 27/11/2020


## REPORT


### On Online Certificate Course for Students of F.Y.B.Sc. (Microbiology)

Department of Microbiology has conducted a Online Certificate Course on "Importance of sterilization and staining techniques" from 20<sup>th</sup> October 2020 to 27<sup>th</sup> November 2020 of 30 lectures duration. This course was conducted for understanding of the basic microbiology practices in labs. Forty four students participated and completed the course.

  
Dr. Shubhangi R. Shinde  
Course coordinator

  
Dr. Neha N. Patil  
Head, Department of  
Microbiology  
Head  
Department of Microbiology  
Annasaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411028

  
Dr. P. R. Mulay  
Vice principal

  
Dr. P. N. Shelke  
Principal  
Principal  
Annasaheb Magar Mahavidyalaya,  
Hadapsar, Pune-411028.



List of F.Y.B.Sc. students participated in the course:

Sr.No.	Name of the student	Enrollment No.
1.	Bansode Utkarsha Nitin	20202112004
2.	Chavan Kshitija Ganesh	20202113348
3.	Choudhari Pratik Sudhir	20202112902
4.	Dagade Pritam Prashant	20202113176
5.	Dagale Prasad Navnath	20202112461
6.	Dhekane Kalyani Ramesh	20202112571
7.	Diwate Adesh Anil	20202112900
8.	Gabhale Ravindra Anil	20202112497
9.	Gade Abhishek Nitin	20202112907
10.	Gaikwad Aditya Baban	20202112889
11.	Ghule Rohan Rajesh	20202113349
12.	Ghule Vaishnavi Chandrakant	20202112009
13.	Gosavi Kiran Sampat	20202112697
14.	Jadhav Shubham Shailendra	20202112520
15.	Jagtap Saurabh Sanjay	20202113459
16.	Javalkar Rutuja Manohar	20202112016
17.	Javalkar Vaishnavi Uttam	20202112350
18.	Kakade Manthan Bhausaheb	20202112848
19.	Kale Shivani Appa	20202112737
20.	Karhe Rohan Dattatray	20202112509
21.	Katkar Bhagyashri Gorakh	20202112487
22.	Kotwal Anuja Hanumant	20202113270
23.	Kotwal Apeksha Arun	20202112030
24.	Kulkarni Atharva Ananad	20202112037
25.	Kumbhar Pranali Balkrishna	20202113347
26.	Landge Balaji Shivaji	20202112076
27.	Mergu Gayatri Rajesh	20202113445
28.	Mohite Pranay Narendra	20202112310
29.	Mujawar Arshad Sherabdalli	20202112003
30.	Pardeshi Rishabh Anil	20202113350
31.	Pawar Devdatta Rajendra	20202112024
32.	Phadatare Abhishek Sanjay	20202112918
33.	Sable Asmita Dattatray	20202112518
34.	Shaikh Adnan Adil	20202113578
35.	Shaikh Kaif Kamal	20202113020
36.	Shendge Vaibhav Laxman	20202112866
37.	Shitole Atharva Bhausaheb	20202112041
38.	Tapkir Varsha Gorkhanath	20202112027
39.	Tonape Shobha Vitthal	20202112489
40.	Tupe Srushti Yuvraj	20202112012
41.	Ugile Saurav Rajesh	20202114223
42.	Vadaje Arpita Kamlakar	20202113361
43.	Salunke Shraddha	
44.	Gholap Vaishnavi	



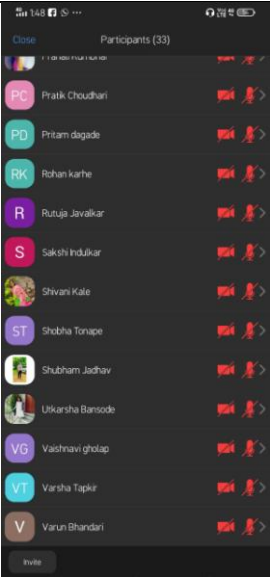
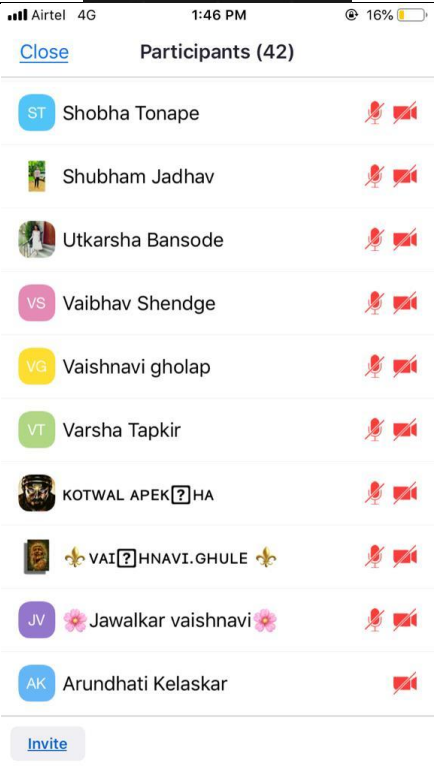
Head

Department of Microbiology  
Bhausaheb Magar Mahavidyalaya  
Hadapsar, Pune - 411028

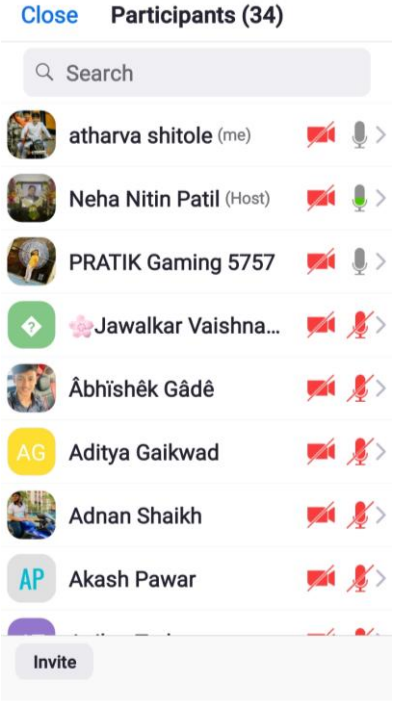
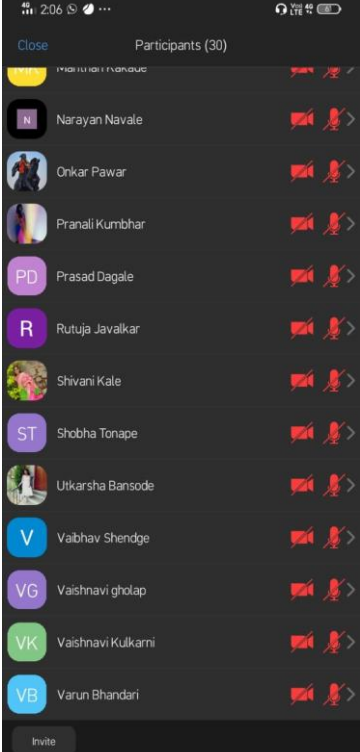


**ONLINE ATTENDANCE RECORD**

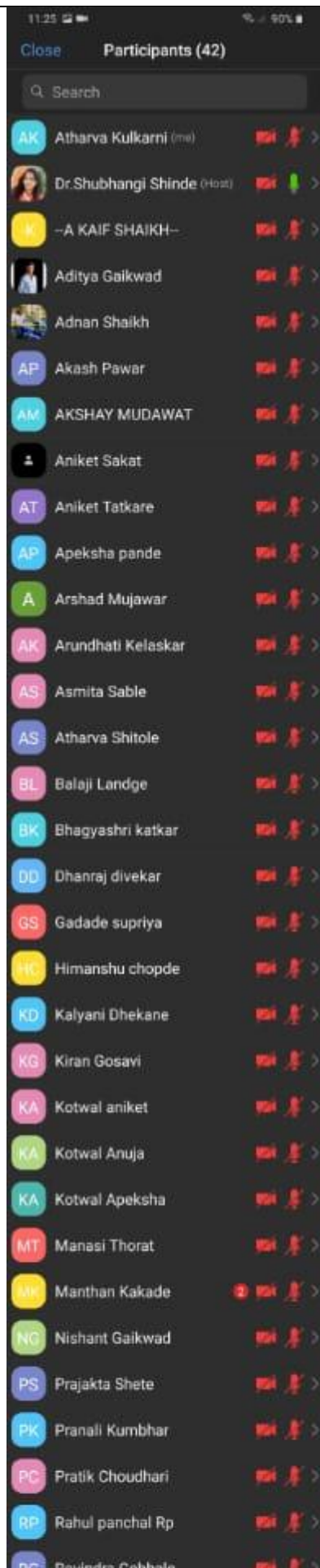
**“Importance of Sterilization and staining techniques”**

Zoom record	Date	Topic	Speaker
 <p>A screenshot of a Zoom meeting interface showing a list of 33 participants. The list includes names like Pratik Choudhari, Pratik dagade, Rohan karhe, Rutuja Javalkar, Sakshi Indulkar, Shivani Kale, Shobha Tonape, Shubham Jadhav, Utkarsha Bansode, Vaishnavi gholap, Varsha Tapkir, and Varun Bhandari. Each name is accompanied by a small profile picture and a red microphone icon.</p>	<p>20/10/2021</p>	<p>Working of autoclave</p>	<p>Dr. S.R.Shinde</p>
 <p>A screenshot of a Zoom meeting interface showing a list of 42 participants. The list includes names like Shobha Tonape, Shubham Jadhav, Utkarsha Bansode, Vaibhav Shendge, Vaishnavi gholap, Varsha Tapkir, KOTWAL APEK, VAIHNAVI.GHULE, Jawalkar vaishnavi, and Arundhati Kelaskar. Each name is accompanied by a small profile picture and a red microphone icon.</p>	<p>21/10/2020</p>	<p>Efficiency of autoclave</p>	<p>Dr. S.R.Shinde</p>



	<p>26/10/2020</p>	<p>Sterilization of cell culture media</p>	<p>Dr. S.R.Shinde</p>
	<p>27/10/2020</p>	<p>Safety precautions in microbiology lab</p>	<p>Dr. S.R.Shinde</p>



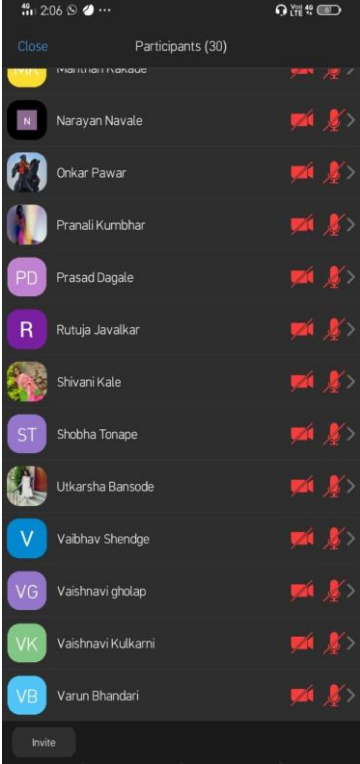



























28/10/2020

Gram character -  
KOH method

Dr.  
S.R.Shinde



		02/11/2020	Special staining techniques	Dr. S.R.Shinde
---	--	------------	-----------------------------	----------------

<p>Close Participants (33)</p> <p>Search</p> <p>VJ Vaishnavi Javalkar (me)   &gt;</p> <p> P.D.E.A.'s Annasaheb M... (Host)    &gt;</p> <p> Aditya Gaiwad   &gt;</p> <p>AP Akash Pawar   &gt;</p> <p>AT Aniket Tatkare   &gt;</p> <p>AP Apeksha pande   &gt;</p> <p>AS Asmita Sable   &gt;</p> <p>AK Atharva Kulkarni   &gt;</p> <p>AS Atharva Shitole   &gt;</p> <p>BL Balaji Landge   &gt;</p> <p>GS Gadade supriya   &gt;</p> <p>Invite</p>	<p>03/11/2020</p>	<p>Staining of nuclear material</p>	<p>Dr. S.R.Shinde</p>
--	-------------------	-------------------------------------	-----------------------




























<p>Airtel 4G 1:32 PM 33%</p> <p><a href="#">Close</a> Participants (36)</p> <ul style="list-style-type: none"> <li> Manthan Kakade (me)  </li> <li> Neha Nitin Patil (Host)  </li> <li> - vaishnavi Awaghade  </li> <li> - [?]RU[?]HTI TUPE -  </li> <li> Adesh Diwate  </li> <li> Aditya Gaikwad  </li> <li> Anuja kotwal  </li> <li> Apeksha Kotwal  </li> <li> Arshad Mujawar  </li> <li> Asmita Sable  </li> </ul> <p><a href="#">Invite</a></p>	<p>04/11/2020</p>	<p>Staining of cell wall</p>	<p>Dr. S.R.Shinde</p>
--	-------------------	------------------------------	---------------------------

<p> </p> <p> <a href="#">Close</a>      <b>Participants (36)</b> </p> <hr/> <p>  Sarthak korhale       </p> <p>  Shivani Kale       </p> <p>  Shobha Tonape       </p> <p>  Shubham Jadhav       </p> <p>  Vaishnavi gholap       </p> <p>  Vaishnavi Kulkarni       </p> <p>  🌟 VAI[?]HNAVI .GHULE 🌟       </p> <p>  🌟 PRANAY MOHITE 🌟       </p> <p>  Aniket Tatkare       </p> <p>  Sakshi Indulkar       </p> <hr/> <p> <a href="#">Invite</a> </p>	<p>05/11/2020</p>	<p>Cleaning of glassware</p>	<p>Dr. N. N. Patil</p>
---	-------------------	------------------------------	------------------------



<p>Airtel 4G 11:18 AM 61%</p> <p><a href="#">Close</a> Participants (44)</p> <ul style="list-style-type: none"><li>AS Atharva Shitole</li><li>Abhishek Gade</li><li>BL Balaji Landge</li><li>BK Bhagyashri katkar</li><li>DP Dagale Prasad</li><li>Devdatta Pawar</li><li>GM Gayatri Mergu</li><li>KR Kalyani Ramesh Dhekane</li><li>KG Kiran Gosavi</li><li>K Kshitija Chavan</li></ul> <p><a href="#">Invite</a></p>	06/11/2020	Fumigation and Glassware wrapping for sterilization	Dr. N. N. Patil
--	------------	---	-----------------

<p>2:16 PM 1.1KB/s 25%</p> <p>Close Participants (33)</p> <p>Search</p> <p>VJ Vaishnavi Javalkar (me)   &gt;</p> <p> P.D.E.A.'s Annasaheb M... (Host)    &gt;</p> <p> Aditya Gaiwad   &gt;</p> <p>AP Akash Pawar   &gt;</p> <p>AT Aniket Tatkare   &gt;</p> <p>AP Apeksha pande   &gt;</p> <p>AS Asmita Sable   &gt;</p> <p>AK Atharva Kulkarni   &gt;</p> <p>AS Atharva Shitole   &gt;</p> <p>BL Balaji Landge   &gt;</p> <p>GS Gadade supriya   &gt;</p> <p>Invite</p>	<p>07/11/2020</p>	<p>Dry heat sterilization</p>	<p>Dr. N. N. Patil</p>
---	-------------------	-------------------------------	------------------------



4G 1:48 4G 54%

Close Participants (33)


- Participant 1
- Pratik Choudhari
- Pritam dagade
- Rohan karhe
- Rutuja Javalkar
- Sakshi Indulkar
- Shivani Kale
- Shobha Tonape
- Shubham Jadhav
- Utkarsha Bansode
- Vaishnavi gholap
- Varsha Tapkir
- Varun Bhandari

Invite

20/11/2020

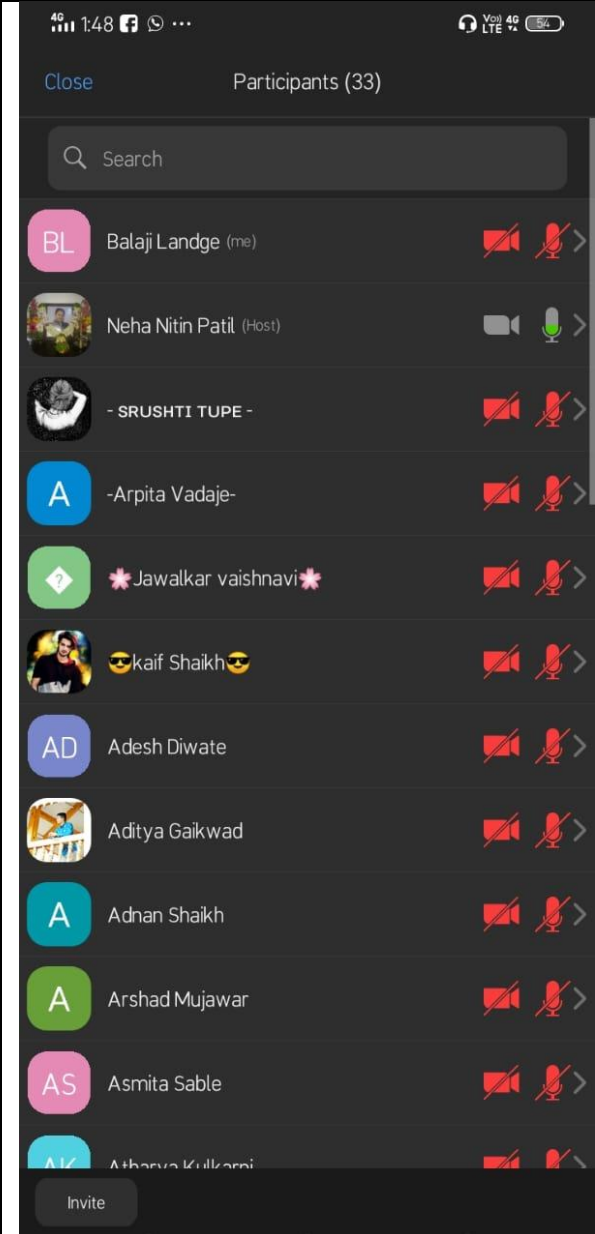
Sterilization of media

Dr. N. N. Patil

		21/11/2020	Simple staining methods	Dr. N. N. Patil
--	--	------------	-------------------------	-----------------



 <p>4G 5:28 PM 29%</p> <p><a href="#">Close</a> Participants (41)</p> <ul style="list-style-type: none"> <li>MK Manthan Kakade (me)</li> <li>PDEA Annasaheb magar Maha... (Host)</li> <li>AK A Kaif shaikh</li> <li>Adnan Shaikh</li> <li>AP Akash Pawar</li> <li>Aniket Sakat</li> <li>AT Aniket Tatkare</li> <li>AS Archana shinde</li> <li>A Arshad Mujawar</li> <li>AK Arundhati Kelaskar</li> </ul> <p>Invite</p>	26/11/2020	Differential staining techniques	Dr. N. N. Patil
---	------------	----------------------------------	-----------------

 <p>4G 1:48 f v ... VoLTE 4G 54</p> <p>Close Participants (33)</p> <p>Search</p> <ul style="list-style-type: none"> <li>BL Balaji Landge (me)</li> <li>Neha Nitin Patil (Host)</li> <li>-SRUSHTI TUPE -</li> <li>-Arpita Vadaje-</li> <li>*Jawalkar vaishnavi*</li> <li>☀️kaif Shaikh☀️</li> <li>AD Adesh Diwate</li> <li>Aditya Gaikwad</li> <li>A Adnan Shaikh</li> <li>A Arshad Mujawar</li> <li>AS Asmita Sable</li> <li>AK Atharva Kulkarni</li> </ul> <p>Invite</p>	<p>27/11/2020</p>	<p>Staining of flagella</p>	<p>Dr. N. N. Patil</p>
---	-------------------	-----------------------------	------------------------



**P. D. E. A's Annasahab Magar Mahavidyalaya,**

**Hadapsar, Pune - 411028.**

**CERTIFICATE OF APPRECIATION**

**This certificate is awarded to**

**Name of the student:** Chaudhari Pratik Sudhir

**Class :** F. Y. B.Sc **Year:** 2020 - 21

**For successful completion of Certificate course entitled**

**Importance of Sterilization and staining techniques.**

*M. V. Deshpande*

*M. V. Deshpande*

*Pratik*

*Pratik*

*P. N. Shelke*

**Course coordinator**

**Mr. M. V. Deshpande**

**Head**

**Dr. Mrs. N. N. Patil**

**IQAC Coordinator**

**Dr. R. P. Joshi**

**Vice-Principal**

**Dr. P. P. Mulay**

**Principal**

**Dr. P. N. Shelke**





**P. D. E. A's Annasahab Magar Mahavidyalaya,**

**Hadapsar, Pune - 411028.**

**CERTIFICATE OF APPRECIATION**

**This certificate is awarded to**

**Name of the student:** Bansode Utkarsha Nitin.

**Class :** F Y BSc **Year:** 2020 - 21

**For successful completion of Certificate course entitled**

**Importance of Sterilization and staining techniques.**

M. Deshpande.

Dr. Mrs. N. N. Patil

Dr. R. P. Joshi

Dr. P. P. Mulay

Dr. P. N. Shelke

**Course coordinator**  
Mr. M. V. Deshpande

**Head**  
Dr. Mrs. N. N. Patil

**IQAC Coordinator**  
Dr. R. P. Joshi

**Vice-Principal**  
Dr. P. P. Mulay

**Principal**  
Dr. P. N. Shelke