

*"Social Transformation Through Dynamic Education"*



**Bharati Vidyapeeth's**

Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya,  
Kadegaon. Dist. Sangli

**Department of Microbiology**

Value added Certificate Course in

**"Advanced Techniques in Clinical Microbiology"**

2020-2021



**Bharati Vidyapeeth's**  
**Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya, Kadegaon. Dist. Sangli**  
**Department of Microbiology**

**Brief Report: Value Added Course- Advanced Techniques in Clinical Microbiology**

**Academic Year – 2020-21**

**Program Details:**

- Title: Value Added Course- Advanced Techniques in Clinical Microbiology
- Programme Coordinator: Mr. S.S. Shinde
- Organizing Department: Department of Microbiology
- Number of Participants: 38
- Duration of the Course: 1 month
- Academic Year: 2020-21

**Introduction:**

The Value-Added Course - Advanced Techniques in Clinical Microbiology, conducted by the Department of Microbiology and coordinated by Mr. S.S. Shinde, took place during the academic year 2020-21. The program aimed to provide participants with specialized knowledge and practical skills in advanced clinical microbiology techniques, enabling them to contribute effectively to the field of medical diagnostics and research.

**Program Objectives:**

The Value-Added Course - Advanced Techniques in Clinical Microbiology for the academic year 2020-21 was designed with the following key objectives:

1. **Skill Enhancement:** To enhance participants' proficiency in advanced techniques used in clinical microbiology, thereby preparing them for specialized roles in medical laboratories and research settings.
2. **Cutting-edge Knowledge:** To provide participants with up-to-date knowledge about emerging trends, technologies, and methodologies in clinical microbiology.
3. **Application of Techniques:** To enable participants to apply advanced techniques in the identification, characterization, and management of microorganisms relevant to human health.

**Program Highlights:**

The program comprised a focused curriculum that combined theoretical learning with hands-on practical training. Participants engaged in specialized lectures, interactive workshops, practical demonstrations, and laboratory sessions. Topics covered during the course included:

- Antimicrobial susceptibility testing
- Emerging infectious diseases and their diagnostics

The practical sessions provided participants with valuable experience in performing advanced laboratory techniques and interpreting complex data.

**Participant Engagement:**

Throughout the course, participants displayed a high level of enthusiasm and active participation. Interactive workshops and hands-on sessions facilitated collaborative learning



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**Department of Microbiology**

and skill development. Participants were able to apply the acquired knowledge and techniques to real-world clinical scenarios.

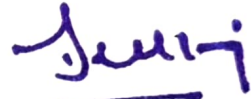
**Conclusion:**

The Value-Added Course - Advanced Techniques in Clinical Microbiology conducted during the academic year 2020-21, under the coordination of Mr. S.S. Shinde and organized by the Department of Microbiology, successfully achieved its objectives. By imparting specialized knowledge and practical skills in advanced clinical microbiology techniques, the program equipped participants with the tools required to excel in medical diagnostics and research. The course, spanning one month, provided participants with a platform to bridge the gap between theoretical understanding and practical application in the field of clinical microbiology, preparing them for roles that demand expertise in diagnostic methodologies.



**Head**  
**Dept. of Microbiology**  
**Bharati Vidyapeeth's**  
**M.B.S.K. Kanya Mahavidyalaya,**  
**Kadegaon, Dist. Sangli**





**Principal**  
**B.V.M.B.S.K. Kanya Mahavidyalaya**  
**Kadegaon, Dist. Sangli**



**BOARD OF STUDIES (BOS)**  
**For**  
**VALUE ADDED COURSE**

**Advanced Techniques in Clinical Microbiology**

1. Dr. G.V. Mali  
Chairman  
(B V M B S K Kanya Mahavidyalaya, Kadegaon)
2. Mr. S.S. Shinde  
Member  
(B V M B S K Kanya Mahavidyalaya, Kadegaon)
3. Ms. B.K.Bhavikatti  
Member  
(B V DPKM, Sangli)
4. Mr. J.V.Kuwar  
Member  
(B V DPKM, Sangli)
5. Dr. A.S. Pawar  
Member  
(B V M B S K Kanya Mahavidyalaya, Kadegaon)

  
Dr. G.V. Mali

**Head,**  
Head of Department  
Bharati Vidyapeeth's  
M.B.S.K. Kanya Mahavidyalaya,  
Kadegaon, Dist. Sangli

  
**I/o Principal**  
Principal  
B.V.M.B.S.K. Kanya Mahavidyalaya,  
Kadegaon, Dist. Sangli

## DEPARTMENT OF MICROBIOLOGY

Value Added Course- Advanced Techniques in Clinical Microbiology

Time table -2020-21

Course duration- 30 Days

15/01/2021 to 14/02/2021(Only on Friday & Saturday)



Time	Friday	Saturday
03.00 pm to 3.50 pm	SSS/ASP	GVM/ASP
3.50 pm to 4.40 pm	GVM	SSS

\*GVM – Dr. G. V. Mali

\*SSS – Mr. S. S. Shinde

\*ASP- Dr. A.S. Pawar

  
Head,

Dept. of Microbiology  
B.V.M.B.S.K. Kanya Mahavidyalaya,  
Kadegaon, Dist. Sangli

  
Principal

B.V.M.B.S.K. Kanya Mahavidyalaya,  
Kadegaon, Dist. Sangli



“Advanced Techniques in Clinical Microbiology”

Value added Certificate Course

Attendance Sheet Theory- 2020-21

Sr. No.	Name of the student	15/1/21	16/1/21	22/1/21	23/1/21	29/1/21	30/1/21	5/2/21	6/2/21	12/2/21	13/2/21	20/2/21	26/2/21
1.	Baravkar Sarika Ramesh	P	A	P	P	P	A	P	P	P	P	A	P
2.	Gaikwad Shivani Ankush	P	P	A	P	P	P	P	P	P	A	P	P
3.	Ghadage McNali Dilip	A	P	P	P	P	P	A	P	P	P	P	P
4.	Ghadage Priti Dhanaji	P	P	P	P	P	P	P	P	A	P	P	P
5.	Jadhav Bherati Vasant	P	P	P	P	P	P	P	P	P	P	P	P
6.	Jadhav Monika Jagannath	P	P	P	P	P	P	P	P	P	P	P	P
7.	Jagtap Rutuja Sanjay	P	P	P	P	P	P	P	P	P	P	P	P
8.	Kadam Ashwini Shivaji	A	P	P	P	P	P	P	P	P	P	P	P
9.	Kadam Sarika Rajaraj	P	P	P	P	P	P	P	P	P	P	P	P
10.	Kadam Snehal Satish	P	P	P	P	P	P	P	P	P	P	P	P
11.	Kadam Sonali Tukaram	P	P	P	P	P	P	P	P	P	P	P	P
12.	Khalage Sonali Namdev	P	P	P	P	P	P	P	P	P	P	P	P
13.	Kharat Rohini Babasa	P	P	P	P	P	P	P	P	P	P	P	P
14.	Lade Swati Prakash	A	P	P	P	P	P	P	P	P	P	P	P
15.	Lokhande Supriya Shaheji	P	P	P	P	P	P	P	P	P	P	P	P
16.	Lokhande Vaishnavi Yuvaraj	A	P	P	P	P	P	P	P	P	P	P	P
17.	Mahadik Aakansha Arun	P	P	P	P	P	P	P	P	P	P	P	P
18.	Mane Shrutiika Sanjay	P	P	P	P	P	P	P	P	P	P	P	P
19.	More Ashwini Uttam	P	P	P	P	P	P	P	P	P	P	P	P
20.	More Kalyani Subhash	P	P	P	P	P	P	P	P	P	P	P	P
21.	More Sarika Dalaso	P	P	P	P	P	P	P	P	P	P	P	P
22.	More Tejasvi Harimant	P	P	P	P	P	P	P	P	P	P	P	P
23.	Mulani Ayesha Musa	P	P	P	P	P	P	P	P	P	P	P	P



**BVP's Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya Kadegaon, Dist. Sangli.**  
**Value Added Courses [VAC]**  
**Advance Techniques in Clinical Microbiology**

**Date :**

**Total Marks:30**

**Time: 1:00 To 2:00 PM**

**Note: All Questions are compulsory**

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**Q.1 Give detailed information about organisation of laboratory and safety precautions in laboratory.** **07**

**OR**

**Describe in detail culturing and isolation of pathogens from clinical specimens.**

**Q.2 Explain Preservations and Transportation of various clinical pathology samples.** **07**

**OR**

**Explain in detail Culture media with appropriate example.**

**Q.3 Short Note (Any Four)** **16**

- a) PCR
  - b) Sample collection
  - c) Microscopic analysis: Blood
  - d) Fluorescence microscopy
  - e) Sample processing
  - f) Automated antibiotic sensitivity testing
-



**BVP's Matoshri Bayabai Shripatrao Kadam Kanya Mahavidyalaya Kadegaon, Dist. Sangli.**  
**Value Added Courses [VAC]**  
**Advance Techniques in Clinical Microbiology**  
**Practical Exam 2020-2021**

**Date :**

**Total Marks:20**

**Time: 11:00 To 2:00 PM**

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**Q.1 Isolation of pathogens from clinical specimen: *Staphylococcus aureus* / *Proteus vulgaris* /**

*Candida albicans*

**10**

**OR**

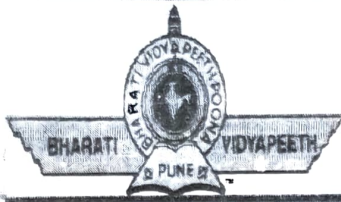
**Antibiotic sensitivity test.**


**Q.2 Pathological analysis- Widal test / Blood group detection.**

**05**

**Q.3 Microscopic analysis of clinical specimen- Urine/Blood/ Stool/Sputum**

**05**



1964-2014  
celebrating  
  
Golden Jubilee  
BHARATI VIDYAPEETH  
Founder Hon'ble Dr. Patangrao Kadam

Social Transformation Through Dynamic Education

**Bharati Vidyapeeth's**

**Matoshri Bayabai Shripatrao Kadam**

**Kanya Mahavidyalaya, Kadegaon**

## Certificate

*This is to certify that Mrs./Miss.....has  
passed the Value Added Course "Advanced Techniques in Clinical  
Microbiology" Examination with .....Grade held in the month of  
..... (Year)*

*.....The said certificate has been issued in testimony whereof are set the  
seal of the college and signatures of the Coordinator, Head, Department of  
Microbiology and Principal of the College.*

Coordinator

Head

Principal

Seal of the College



Bharati Vidyapeeth's

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Kadegaon**

**“ Advanced Techniques in Clinical Microbiology”**


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**Result**

Sr. No	Name of the students	Marks		Total	Grade
		Theory	Practical		
1	Baravkar Sarika Ramesh	20	17	37	A
2	Gaikwad Shivani Ankush	18	16	34	A
3	Ghadage Monali Dilip	20	17	37	A
4	Ghadage Priti Dhanaji	18	15	33	A
5	Jadhav Bharati Vasant	22	19	41	A <sup>+</sup>
6	Jadhav Monika Jagannath	20	18	38	A
7	Jagtap Rutuja Sanjay	20	17	37	A
8	Kadam Ashwini Shivaji	21	17	38	A
9	Kadam Sarika Rajaram	22	16	38	A
10	Kadam Snehal Satish	23	18	41	A <sup>+</sup>
11	Kadam Sonali Tukaram	20	15	35	A
12	Khalage Sonali Namdev	19	15	34	A
13	Kharat Rohini Babaso	20	16	36	A
14	Lade Swati Prakash	15	17	32	A
15	Lokhande Supriya Shahaji	16	17	33	A
16	Lokhande Vaishanavi Yuvaraj	22	17	39	A
17	Mahadik Aakansha Arun	17	18	35	A
18	Mane Shrutika Sanjay	19	15	34	A

19	More Ashwini Uttam	24	16	40	A <sup>+</sup>
20	More Kalyani Subhash	21	15	36	A
21	More Sarika Balaso	19	12	31	A
22	More Tejasvi Hanmant	20	15	35	A
23	Mulani Ayesha Musa	24	16	40	A <sup>+</sup>
24	Mulani Sifa Salim	22	18	40	A <sup>+</sup>
25	Mulik Priyanka Sandip	20	15	35	A
26	Mulik Sharaddha Sanjay	21	18	39	A
27	Mulla Rameja Navaj	20	15	35	A
28	Patil Pooja Anandrao	17	17	34	A
29	Pawar Rituja Prakash	19	12	31	A
30	Phadatare Karuna Dhanaji	22	15	37	A
31	Pol Pranali Rajendra	22	18	40	A <sup>+</sup>
32	Pol Sarita Sunil	19	16	35	A
33	Shinde Sanjivani Arun	22	15	37	A
34	Shinde Sonali Hanmant	24	16	40	A <sup>+</sup>
35	Suryawanshi Divya Adhikrao	18	14	32	A
36	Suryawanshi Pramila Subhash	19	16	35	A
37	Suryawanshi Sakshi Sunil	21	15	36	A
38	Tupe Rituja Sawant	18	17	35	A



  
**Head,**  
 Dept. of Microbiology  
 Bharati Vidyapeeth  
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