



MARATHA VIDYA PRASARAK SAMAJ'S
KARMVEER SHANTARAMBAPU KONDAJI WAWARE
ARTS, SCIENCE AND COMMERCE COLLEGE, CIDCO

Uttam Nagar, Nashik- 422 008 (M.S.) India

Affiliated to Savitribai Phule Pune University Id.No.PU/NS/ASC/047/1993AISHE C-42086

NAAC re-accredited 'A' Grade (III Cycle 2017-22, CGPA 3.20)

Jr. College Index No. 13.17.18 UDISE No. 27201805209

Prof. (Dr) S. K. Kushare

M.Sc., Ph. D.
Principal

Best College Award of Savitribai Phule Pune University - 2009 & 2021

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The college has its own unique system to evaluate attainment of CO, PO and PSO which is based on final year result analysis and program exit survey for particular program run in the college. The IQAC of the college has designed the unique excel sheet for all the calculation of attainment of CO, PO and PSO for all the faculties.

Performance of the students in internal and external examination of respective courses at their final examination (2021-22) have been used to evaluate the Course outcome (CO) called **Direct Total Attainment**. The Program Exit Survey has conducted from Stakeholders (Final year students, Alumni, Parents, Teachers, Industrial experts etc.) through common questionnaire for all the courses to evaluate Program Outcomes and Program Specific Outcomes (PO, PSO) called as **Indirect Total Attainment**.

For the evaluation of attainment, the College has decided 50% threshold value representing attainment of CO and PO learned by students in respective program. The threshold value is the base value upon which marks are to be consider for the further calculation of Course attainment. The attainment has classified in to 3 level i.e. Level 1 (40-60%); Level 2 (60-70%) and Level 3 (Above 70%).

Mechanism of evaluation for CO, PO & PSO:

1. Method for calculation of direct attainment based on result: Under the prescribed excel sheet developed by the IQAC, the marks obtained by the students in respective courses are classified into two categories i.e. Internal & External (University) Examination. Where respective department enters the course-wise performance of the students in concern program.

2. Attainment level calculation for CO: The College has defined the values for classification of Course attainment i.e. Level 1 (40-60%) Low; Level 2 (60-70%) Medium and Level 3 (Above 70%). Based on student's performance in internal and external exam marks in respective course, the attainment levels for the said course have been calculated.

3. Method for calculation of indirect attainment based on Programme Exit Survey: The Program Exit Survey has conducted from Stakeholders through questionnaire for each course, Wherein the responses in the form 10 scale rating were obtained, used for evaluation of PO and PSO. The questions are as follows:

- a) How will you rate to the Course Content under Specific Programme provides adequate knowledge and skills about the Course?



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b) How will you rate the Programme assign by Parent university is able to inculcate Critical & analytical thinking among the student?

How will you rate the students are able to create, select and apply appropriate techniques & resources according to the need of modern Society?

c) How will you rate the students are able to design Solutions for Complex Societal, Cultural, technical and Environmental Problems through knowledge given by Specific Programme?

d) How will you rate the students are able to functioning effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings?

4. Attainment level calculation for PO & PSO: The College has defined the values for classification of Course attainment i.e. Level 1 (40-60%) Low; Level 2 (60-70%) Medium and Level 3 (Above 70%). Based on responses obtained through Program Exit Survey from Stakeholders, the attainment levels for the said Programme have been calculated.

5. Final Attainment calculation for PO: For evaluation of final PO attainment 70% weightage is given for direct attainment and 30% weightage was given for program exit survey i.e. indirect attainment.



Kshud
Principal
Maratha Vidya Prasarak Samaj's
Karmaveer Shantarambapu Kondaji Waware
Arts science and Commerce College
Uttamnagar, CIDCO Nashik-422008



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Faculty	Name of the Course	Final Attainment (CO, PO & PSO)			
		UG		PG	
		V	VI	III	IV
Arts	Economics	2.66	2.72	2.76	2.76
	English	3.00	3.00	3.00	1.43
	Geography	2.37	2.37	2.64	2.67
	Hindi	2.89	2.63	1.35	1.35
	History	3.00	3.00	NA	NA
	Marathi	2.89	2.45	2.53	2.40
	Politics	2.49	2.63	NA	NA
	Psychology	2.64	2.15	NA	NA
	Sociology	2.37	2.37	NA	NA
Science	Botany	3.00	3.00	3.00	3.00
	Chemistry	2.29	2.33	2.51	2.37
	Computer Science	3.00	3.00	2.31	2.51
	Mathematics	2.20	2.06	NA	NA
	Microbiology	2.35	2.35	NA	NA
	Physics	NA	NA	3.00	3.00
	Zoology	3.00	2.96	2.00	2.51
Commerce	B. Com Business Administration	2.46	2.02	2.72	1.98
	B. Com Cost and Works Accounting	1.87	1.87	2.28	2.44
	B. Com Marketing Management	2.27	2.51	NA	NA



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**Maratha Vidya Prasarak Samaj's,
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		Department: Microbiology		Programme:		BSc		Year: 2022-23				Sem: V		
Attainment Analysis Step I: Course wise internal and external examination results of students														
Internal & External Exam - 2022-23		35191 CO1		35192 CO2		35193 CO3		35194 CO4		35195 CO5		35196 CO6		
Sr. No	Name of the Student	Internal (15)	Externa 1 (35)	Internal (15)	Externa 1 (35)	Internal (15)	Externa 1 (35)	Internal (15)	Externa 1 (35)	Internal (15)	Externa 1 (35)	Internal (15)	Externa 1 (35)	
		Marks	15	35	15	35	15	35	15	35	15	35	15	35
		50%	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5
1	Bajaniya Krupa Hiteshbhai	14	18	12	17	13	14	12	20	13	15	14	21	
2	Bhosale Bhagyashri Balasaheb	12	19	13	15	14	18	14	16	12	17	13	26	
3	Borse Kartiki Mangesh	11	21	14	14	14	16	11	23	12	16	14	25	
4	Gamane Tejas Sudam	11	17	13	15	14	14	10	16	12	14	14	24	
5	Gore Prajka Jayawant	12	14	14	16	12	14	13	14	11	14	14	15	
6	Gupta Pooja Ramashankar	12	14	12	15	12	14	13	14	11	15	13	8	
7	Ippar Pradnya Dnyaneshwar	12	15	13	9	12	5	12	14	12	16	14	16	
8	Kajale Payal Balasaheb	13	15	13	14	14	4	12	15	13	17	15	23	
9	Kale Akshada Vishnu	10	14	14	14	14	20	11	15	11	16	14	16	
10	Khatik Muskaan Payamoddin	13	18	11	14	12	11	14	14	12	15	14	14	
11	Lagad Apeksha Uttam	14	14	12	20	14	6	13	15	11	16	13	15	
12	Mali Rushikesh Anil	11	14	11	14	11	10	11	14	11	14	12	14	
13	Nemade Vidya Kiran	14	14	13	9	13	7	13	14	11	16	13	4	
14	Patil Nikhil Ravindra	13	14	13	14	13	17	12	14	13	15	14	16	
15	Patil Pallavi Ashok	13	16	13	15	11	14	12	14	11	19	14	18	
16	Pingale Nakshatraa Jairam	12	27	15	25	13	23	13	29	13	21	14	32	
17	Rokade Nikhil Prakash	10	14	10	6	10	0	10	10	12	14	13	14	
18	Salunke Parth Sunil	11	9	12	8	12	4	12	15	13	14	14	5	
19	Shaikh Sana Afreen Mohammad	13	22	13	16	14	20	13	15	12	15	13	18	
20	Shirsath Vaishnavi Ganesh	12	15	11	10	13	4	13	15	13	14	12	16	
21	Suryawanshi Seeta Omkar	11	15	11	10	12	3	13	15	13	14	12	14	
22	Varma Bhumika Chandraprakash	13	23	14	17	14	21	13	23	13	21	13	27	
23	Wagh Tejas Pralhad	11	16	11	9	11	8	11	14	12	16	13	17	
24	Wakhare Shruti Vilas	11	14	12	14	12	14	10	14	12	18	14	14	

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Department:		Microbiology		Programme:		BSc		Year: 2022-23		Sem: V		
Attainment Analysis Step I: Course wise internal and external examination results of students												
Internal & External Exam - 2022-23		35197 CO7		35198 CO8		35199 CO9		351910 CO10		351911 CO11		
Sr. No	Name of the Student	Internal (15)	Externa l (35)	Internal (15)	Externa l (35)	Internal (15)	Externa l (35)	Internal (15)	Externa l (35)	Internal (15)	Externa l (35)	
		Marks	15	35	15	35	15	35	15	35	15	35
		50%	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5
1	Bajaniya Krupa Hiteshbhai	11	22	11	22	11	22	11	28	14	19	
2	Bhosale Bhagyashri Balasaheb	14	29	14	28	14	29	11	29	13	17	
3	Borse Kartiki Mangesh	10	28	10	28	10	27	13	14	13	20	
4	Gamane Tejas Sudam	13	25	13	26	13	25	11	16	13	13	
5	Gore Prajka Jayawant	10	23	10	23	10	23	12	21	11	17	
6	Gupta Pooja Ramashankar	11	20	11	20	11	20	10	26	13	18	
7	Ippar Pradnya Dnyaneshwar	13	23	13	23	13	24	11	27	14	13	
8	Kajale Payal Balasaheb	12	26	12	25	12	25	12	27	13	13	
9	Kale Akshada Vishnu	11	20	11	21	11	20	10	27	13	11	
10	Khatik Muskaan Payamoddin	11	22	11	22	11	21	10	28	12	12	
11	Lagad Apeksha Uttam	13	23	13	23	13	22	13	23	13	20	
12	Mali Rushikesh Anil	11	20	11	20	11	20	9	30	12	18	
13	Nemade Vidya Kiran	14	25	14	25	14	25	11	28	12	13	
14	Patil Nikhil Ravindra	11	26	11	26	11	25	10	29	14	10	
15	Patil Pallavi Ashok	13	24	13	25	13	24	12	16	14	12	
16	Pingale Nakshatraa Jairam	14	31	14	31	14	31	12	19	14	15	
17	Rokade Nikhil Prakash	11	20	11	20	11	20	10	25	12	17	
18	Salunke Parth Sunil	10	20	10	20	10	20	12	21	11	15	
19	Shaikh Sana Afreen Mohammad	12	23	12	23	12	22	13	24	13	17	
20	Shirsath Vaishnavi Ganesh	11	22	11	22	11	22	12	25	13	16	
21	Suryawanshi Seeta Omkar	9	21	9	20	9	21	9	17	12	17	
22	Varma Bhumika Chandraprakash	14	30	14	30	14	29	12	22	14	19	
23	Wagh Tejas Pralhad	13	26	13	26	13	26	10	16	12	12	
24	Wakhare Shruti Vilas	11	24	11	24	11	23	12	16	13	18	

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Department: Microbiology		Programme: BSc		Year: 2022-23		Sem: V						
Attainment Analysis Step II: Course wise internal and external examination results of students												
Sr. No	Internal & External Exam - 2022-23	35197 CO7		35198 CO8		35199 CO9		351910 CO10		351911 CO11		
		Internal (15)	External (35)	Internal (15)	External (35)	Internal (15)	External (35)	Internal (15)	External (35)	Internal (15)	External (35)	
		Marks	15	35	15	35	15	35	15	35	15	35
		50% Ma	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5
Attempted		24	24	24	24	24	24	24	24	24	24	
>=50		24	24	24	24	24	24	24	18	24	7	
Target Attainment (%)		100	100.00	100	100.00	100	100	100.00	75.00	100	29.17	
CO Level		Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 1	

Overall Attainment %											
	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9	CO10	CO11
Internal	100	100	100	100	91.66667	100	100	100	100	95.83333	100
Level	3	3	3	3	3	3	3	3	3	3	3
External	29.16667	8.3333333	20.8333333	16.666667	16.666667	37.5	100	100	100	75	29.166667
Level	1	1	1	1	1	1	3	3	3	3	1

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Department: Microbiology Programme: BSc Year: 2022-23 Sem: V

Attainment Analysis Step III: Programme Exit Survey

Internal & External Exam - 2022-23			Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student		35191 CO1					35192 CO2					35193 CO3					
		Marks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1	Pooja ramshankar gupta		10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	
2	Kartiki Mangesh Borse		10	10	10	10	10	10	10	10	10	10	10	8	8	10	6	
3	Sana afreen Mohammad Hanif shaikh		9	8	9	10	8	8	7	10	10	10	9	10	8	10	7	
4	Nemade Vidya Kiran		9	8	9	10	8	8	5	10	10	10	9	10	8	10	7	
5	Nakshatraa		8	8	8	7	8	9	8	8	8	8	7	7	7	8	8	
6	Suryawanshi Seeta Omkar		8	9	9	9	10	9	10	9	10	10	9	9	9	10	9	
7	Akshada viahnu kale		9	8	9	10	9	7	9	10	10	10	9	10	9	9	9	
8	Girase Manisha Shantilal		9	9	8	9	8	8	9	9	9	9	8	8	8	9	9	
9	Prajakta jayawant gore		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
10	Pradnya Dnyaneshwar Ippar		8	8	7	7	7	7	5	9	9	8	7	8	10	9	10	
11	Bajaniya Krupa Hiteshbhai		9	10	10	9	10	10	10	9	10	10	9	9	10	9	9	
12	Bhumika chandraprakash varma		8	8	9	8	9	8	7	8	7	9	9	8	8	9	8	
13	Parth sunil salunke		10	10	10	10	10	10	9	9	7	6	7	7	5	6	6	
14	Vaishnavi ganesh shirsath		10	10	10	9	9	9	9	10	10	9	8	9	10	10	8	
15	Mali Rushikesh Anil		9	10	10	9	8	8	7	8	9	9	8	8	9	10	9	
16	Tejas pralhad wagh		10	10	8	9	8	9	9	8	9	9	9	9	8	8	8	
17	Shruti Vilas WAKHARE		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
18	Apeksha Uttam Lagad		8	7	5	6	6	10	9	9	8	8	8	8	10	10	7	
19	Muskaan payamoddin khatik		9	10	9	10	9	9	9	10	10	10	10	8	9	9	10	
20	Nikhil Ravindra Patil		9	8	10	8	9	9	10	7	10	10	9	9	9	9	9	
21	Pallavi Ashok Patil		10	10	8	8	9	10	8	8	10	9	10	9	10	9	10	
22	Payal balasaheb kajale		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
23	Nikhil Prakash Rokade		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
24	Tejas Sudam Gamane		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
25	Bhagyashri balasaheb Bhosale		8	7	3	10	10	8	5	8	10	7	8	9	8	9	10	

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Department: Microbiology Programme: BSc Year: 2022-23 Sem: V

Attainment Analysis Step III: Programme Exit Survey

Internal & External Exam - 2022-23			Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student		35194 CO4					35195 CO5					35196 CO6					
		Marks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1	Pooja ramshankar gupta		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	Kartiki Mangesh Borse		10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10
3	Sana afreen Mohammad Hanif shaikh		9	9	10	10	9	9	9	10	10	10	8	9	10	8	9	
4	Nemade Vidya Kiran		9	9	10	10	9	9	9	9	10	9	9	10	9	10	9	
5	Nakshatraa		9	10	10	10	10	8	8	7	6	8	10	10	10	10	10	
6	Suryawanshi Seeta Omkar		9	10	9	10	10	9	10	10	10	10	9	9	10	9	10	
7	Akshada viahnu kale		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9
8	Girase Manisha Shantilal		7	8	8	9	8	9	9	8	8	7	8	9	8	9	8	
9	Prajakta jayawant gore		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10	Pradnya Dnyaneshwar Ippar		8	9	9	8	7	10	9	8	10	9	10	9	10	9	8	
11	Bajaniya Krupa Hiteshbhai		9	10	9	10	10	9	9	10	9	8	10	8	10	10	9	
12	Bhumika chandraprakash varma		9	9	9	9	9	8	9	8	9	8	9	9	9	9	8	
13	Parth sunil salunke		6	6	7	6	6	6	7	7	7	5	7	5	5	4	6	
14	Vaishnavi ganesh shirsath		9	8	10	8	10	10	9	10	8	9	9	10	8	10	9	
15	Mali Rushikesh Anil		8	9	8	8	8	8	8	8	9	8	8	10	8	8	8	
16	Tejas pralhad wagh		8	9	8	9	9	9	9	9	9	9	9	9	9	9	9	
17	Shruti Vilas WAKHARE		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18	Apeksha Uttam Lagad		10	10	9	10	9	10	7	7	8	8	9	8	8	8	6	
19	Muskaan payamoddin khatik		8	9	10	10	10	10	10	9	9	10	8	9	10	6	5	
20	Nikhil Ravindra Patil		10	9	8	7	6	10	10	9	8	9	9	10	10	8	7	
21	Pallavi Ashok Patil		10	10	9	10	9	10	9	9	9	9	10	10	10	9	9	
22	Payal balasaheb kajale		10	8	9	9	10	10	9	9	9	10	10	10	10	10	10	
23	Nikhil Prakash Rokade		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
24	Tejas Sudam Gamane		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
25	Bhagyashri balasaheb Bhosale		8	8	8	9	10	9	8	8	4	9	8	10	9	8	8	

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Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Department: Microbiology Programme: BSc Year: 2022-23 Sem: V

Attainment Analysis Step III: Programme Exit Survey

Internal & External Exam - 2022-23			Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student		35197 CO7					35198 CO8					35199 CO9					
		Marks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1	Pooja ramshankar gupta		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2	Kartiki Mangesh Borse		10	9	7	8	10	10	10	10	10	10	9	10	10	10	10	10
3	Sana afreen Mohammad Hanif shaikh		10	7	8	9	9	7	9	10	8	9	10	9	8	10	10	10
4	Nemade Vidya Kiran		9	10	9	10	10	10	10	9	10	10	7	7	8	7	7	7
5	Nakshatraa		9	8	10	9	10	10	10	10	10	10	10	10	9	8	8	8
6	Suryawanshi Seeta Omkar		10	9	10	10	10	10	10	10	10	10	10	9	10	10	10	9
7	Akshada viahnu kale		9	10	9	8	7	10	9	7	8	9	10	9	8	10	9	9
8	Girase Manisha Shantilal		9	9	8	9	8	8	8	8	9	9	9	8	9	8	9	9
9	Prajakta jayawant gore		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10	Pradnya Dnyaneshwar Ippar		10	7	8	10	9	9	10	8	10	9	10	9	9	9	9	10
11	Bajaniya Krupa Hiteshbhai		10	9	10	10	9	10	10	10	10	9	9	9	10	10	10	10
12	Bhumika chandraprakash varma		10	9	10	10	9	10	10	10	9	9	10	10	9	10	9	9
13	Parth sunil salunke		7	6	6	6	6	5	7	6	8	6	6	5	6	7	7	7
14	Vaishnavi ganesh shirsath		10	9	8	10	9	9	10	8	10	9	10	9	8	9	9	8
15	Mali Rushikesh Anil		10	8	9	9	8	9	9	10	9	8	9	9	9	10	8	8
16	Tejas pralhad wagh		9	9	9	9	9	9	9	9	10	9	9	9	9	9	9	9
17	Shruti Vilas WAKHARE		10	10	10	10	10	10	9	9	9	6	10	10	10	10	10	10
18	Apeksha Uttam Lagad		8	8	8	7	8	7	8	8	8	7	8	7	9	8	8	8
19	Muskaan payamoddin khatik		9	10	10	10	7	9	10	10	6	6	10	10	10	7	10	10
20	Nikhil Ravindra Patil		7	10	9	9	10	9	9	10	10	10	9	8	9	8	9	9
21	Pallavi Ashok Patil		10	9	10	10	10	10	10	9	10	10	10	10	10	10	10	10
22	Payal balasaheb kajale		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23	Nikhil Prakash Rokade		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24	Tejas Sudam Gamane		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25	Bhagyashri balasaheb Bhosale		10	9	7	10	9	9	6	5	8	8	8	8	9	6	10	10

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

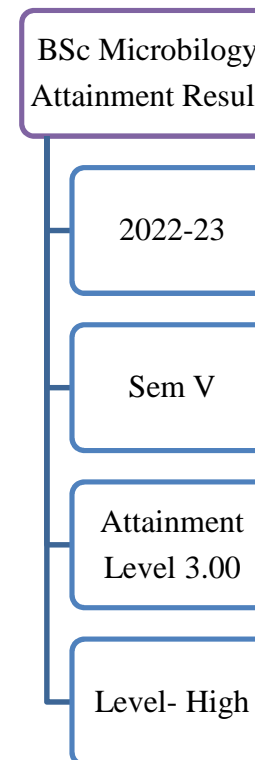
	Department:	Microbiology			Programe:	BSc			Year:	2022-23		Sem:	V
Attainment Analysis Step III: Programme Exit Survey													
Internal & External Exam - 2022-23			Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student		351910 CO10					351911 CO11					
		Marks	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5
1	Pooja ramshankar gupta		10	10	10	10	10	10	10	10	10	10	10
2	Kartiki Mangesh Borse		10	10	10	10	10	10	10	10	10	10	10
3	Sana afreen Mohammad Hanif shaikh		10	10	10	10	10	9	10	10	9	10	10
4	Nemade Vidya Kiran		10	10	10	10	10	10	10	10	10	10	10
5	Nakshatraa		9	9	8	9	7	9	10	10	10	10	10
6	Suryawanshi Seeta Omkar		9	10	10	9	10	10	10	10	10	10	10
7	Akshada viahnu kale		10	10	9	9	10	8	9	8	9	3	3
8	Girase Manisha Shantilal		9	8	8	9	8	9	8	9	9	8	8
9	Prajakta jayawant gore		10	10	10	10	10	10	10	10	10	10	10
10	Pradnya Dnyaneshwar Ippar		8	9	10	9	8	9	9	8	8	10	10
11	Bajaniya Krupa Hiteshbhai		9	10	10	9	10	9	9	10	10	10	10
12	Bhumika chandraprakash varma		9	8	9	9	9	9	10	9	10	9	9
13	Parth sunil salunke		7	6	5	6	7	6	8	7	5	7	7
14	Vaishnavi ganesh shirsath		10	9	8	10	9	9	8	9	8	9	9
15	Mali Rushikesh Anil		10	9	9	9	9	9	9	9	8	9	9
16	Tejas pralhad wagh		9	9	9	9	9	9	9	9	9	9	9
17	Shruti Vilas WAKHARE		10	10	10	10	10	10	9	9	9	6	6
18	Apeksha Uttam Lagad		8	8	6	8	8	7	8	8	7	8	8
19	Muskaan payamoddin khatik		10	8	9	9	10	9	8	10	10	10	10
20	Nikhil Ravindra Patil		7	10	10	9	9	9	9	9	9	9	9
21	Pallavi Ashok Patil		9	9	10	9	10	10	10	10	9	10	10
22	Payal balasaheb kajale		10	10	10	10	10	10	10	10	10	7	7
23	Nikhil Prakash Rokade		10	10	10	10	10	10	10	10	10	10	10
24	Tejas Sudam Gamane		10	10	10	10	10	10	10	10	10	10	10
25	Bhagyashri balasaheb Bhosale		4	8	10	9	10	10	9	7	10	8	8

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Attainment Analysis Step V: Direct and Indirect Attainment Analysis

Attainment of CO, PO & PSO

Attainment of CO, PO & PSO				
Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	1	CO2	3
CO3	3	1	CO3	3
CO4	3	1	CO4	3
CO5	3	1	CO5	3
CO6	3	1	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	3	CO10	3
CO11	3	1	CO11	3
Attainment	3.00	1.67	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.17		
Final Direct Attainment	2.07			
Weightage	70%		30%	
Direct Total Attainment	1.45		0.90	
Final Direct Attainment	2.35			



Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.35
Medium	2	
High	3	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Department:		Microbiology		Programe:		BSc		Year: 2022-23		Sem: VI				
Attainment Analysis Step I: Course wise internal and external examination results of students														
Internal & External Exam - 2022-23		36191 CO1		36192 CO2		36193 CO3		36194 CO4		36195 CO5		36196 CO6		
Sr. No	Name of the Student	Internal (15)	Externa I (35)	Internal (15)	Externa I (35)	Internal (15)	Externa I (35)	Internal (15)	Externa I (35)	Internal (15)	Externa I (35)	Internal (15)	Externa I (35)	
		Marks	15	35	15	35	15	35	15	35	15	35	15	35
		50%	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5
1	Bajaniya Krupa Hiteshbhai	13	16	10	20	13	21	13	14	14	20	13	20	
2	Bhosale Bhagyashri Balasaheb	12	21	11	21	15	23	13	19	13	24	13	22	
3	Borse Kartiki Mangesh	12	22	13	21	15	24	15	16	13	30	13	24	
4	Gamane Tejas Sudam	11	15	11	11	15	19	11	9	12	22	12	22	
5	Gore Prajka Jayawant	10	14	10	14	14	15	12	9	12	14	15	14	
6	Gupta Pooja Ramashankar	9	8	8	6	14	10	12	7	12	16	12	16	
7	Ippar Pradnya Dnyaneshwar	11	14	9	14	14	15	12	6	10	15	12	20	
8	Kajale Payal Balasaheb	12	16	10	14	15	14	10	8	14	15	14	20	
9	Kale Akshada Vishnu	9	9	11	14	13	14	12	17	11	14	13	20	
10	Khatik Muskaan Payamoddin	11	8	11	4	14	14	15	5	13	14	13	16	
11	Lagad Apeksha Uttam	12	15	11	17	15	16	15	10	14	19	12	17	
12	Mali Rushikesh Anil	10	14	13	3	13	15	10	8	11	15	12	15	
13	Nemade Vidya Kiran	11	4	9	3	14	15	12	14	12	14	12	14	
14	Patil Nikhil Ravindra	12	14	12	15	15	15	12	14	14	19	14	19	
15	Patil Pallavi Ashok	11	14	10	20	15	19	12	17	14	23	13	19	
16	Pingale Nakshatraa Jairam	14	29	13	23	15	28	14	22	11	30	15	25	
17	Rokade Nikhil Prakash	9	8	10	8	12	11	9	4	10	15	12	10	
18	Salunke Parth Sunil	10	7	9	6	11	14	9	0	12	10	11	11	
19	Shaikh Sana Afreen Mohammad	9	14	13	21	14	21	14	14	13	25	13	20	
20	Shirsath Vaishnavi Ganesh	13	11	14	14	14	16	12	5	14	18	11	16	
21	Suryawanshi Seeta Omkar	10	11	12	7	15	19	13	5	14	16	14	9	
22	Varma Bhumika Chandraprakash	12	24	11	24	15	24	14	19	14	30	14	24	
23	Wagh Tejas Pralhad	9	10	11	10	15	7	11	14	11	16	11	14	
24	Wakhare Shruti Vilas	9	14	11	9	12	14	10	10	12	17	12	18	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Department:		Microbiology		Programme:		BSc		Year: 2022-23		Sem: VI		
Attainment Analysis Step I: Course wise internal and external examination results of students												
Internal & External Exam - 2022-23		36197 CO7		36198 CO8		36199 CO9		361910 CO10		361911 CO9		
Sr. No	Name of the Student	Internal (15)	External I (35)	Internal (15)	External I (35)	Internal (15)	External I (35)	Internal (15)	External I (35)	Internal (15)	External I (35)	
		Marks	15	35	15	35	15	35	15	35	15	35
		50%	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5
1	Bajaniya Krupa Hiteshbhai	10	24	10	25	10	24	13	26	15	20	
2	Bhosale Bhagyashri Balasaheb	10	30	10	30	10	29	13	30	14	23	
3	Borse Kartiki Mangesh	11	30	11	29	11	30	14	27	14	23	
4	Gamane Tejas Sudam	10	27	10	26	10	27	13	22	13	16	
5	Gore Prajka Jayawant	10	23	10	23	10	22	14	18	14	16	
6	Gupta Pooja Ramashankar	10	21	10	20	10	21	13	14	13	16	
7	Ippar Pradnya Dnyaneshwar	12	25	12	26	12	25	12	14	15	18	
8	Kajale Payal Balasaheb	12	26	12	25	12	24	14	16	14	18	
9	Kale Akshada Vishnu	11	20	11	20	11	21	11	20	14	17	
10	Khatik Muskaan Payamoddin	10	21	10	21	10	20	13	15	15	18	
11	Lagad Apeksha Uttam	11	25	11	26	11	25	15	17	15	15	
12	Mali Rushikesh Anil	11	20	11	20	11	19	13	15	13	17	
13	Nemade Vidya Kiran	12	27	12	28	12	26	13	14	14	7	
14	Patil Nikhil Ravindra	13	27	13	27	13	25	14	22	13	16	
15	Patil Pallavi Ashok	12	25	12	24	12	24	15	25	14	15	
16	Pingale Nakshatraa Jairam	15	30	15	30	15	29	14	28	15	23	
17	Rokade Nikhil Prakash	11	20	11	20	11	19	10	8	12	9	
18	Salunke Parth Sunil	11	21	11	22	11	20	13	8	12	9	
19	Shaikh Sana Afreen Mohammad	13	25	13	24	13	24	14	25	15	19	
20	Shirsath Vaishnavi Ganesh	13	21	13	22	13	22	13	17	14	15	
21	Suryawanshi Seeta Omkar	11	21	11	20	11	22	13	9	13	14	
22	Varma Bhumika Chandraprakash	14	31	14	30	14	31	11	31	15	24	
23	Wagh Tejas Pralhad	10	25	10	25	10	24	12	14	14	14	
24	Wakhare Shruti Vilas	11	24	11	25	11	26	10	18	13	15	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Department:		Microbiology		Programme:		BSc		Year: 2022-23		Sem: VI		
Attainment Analysis Step II: Course wise internal and external examination results of students												
Sr. No	Internal & External Exam - 2022-23	36197 CO7		36198 CO8		36199 CO9		361910 CO10		361911 CO11		
		Internal (15)	External (35)	Internal (15)	External (35)	Internal (15)	External (35)	Internal (15)	External (35)	Internal (15)	External (35)	
		Marks	15	35	15	35	15	35	15	35	15	35
		50% Marks	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5	7.5	17.5
Attempted		24	24	24	24	24	24	24	24	24	24	
>=50		24	24	24	24	24	24	24	12	24	9	
Target Attainment (%)		100	100	100	100	100	100	100	50	100	38	
CO Level		Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 3	Level 1	Level 3	Level 1	

Overall Attainment %												
	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9	CO10	CO11	
Internal	100	100	100	100	100	100	100	100	100	100	100	
Level	3	3	3	3	3	3	3	3	3	3	3	
External	16.66667	29.16667	37.5	12.5	45.83333	54.16667	100	100	100	50	37.5	
Level	1	1	1	1	1	1	3	3	3	1	1	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Department: Microbiology Programme: BSc Year: 2022-23 Sem: VI

Attainment Analysis Step III: Programme Exit Survey

Internal & External Exam - 2022-23		Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student	36191 CO1					3619 CO2					36193 CO3					
		Marks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1	Nakshatraa Pingale	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
2	TEJAS PRALHAD WAGH	10	10	9	9	10	9	10	10	10	10	10	9	10	9	9	
3	Bajaniya Krupa Hiteshbhai	9	9	10	8	10	9	10	9	9	10	9	8	9	10	10	
4	Kartiki Mangesh Borse	10	7	9	8	10	10	10	10	10	10	10	9	10	8	10	
5	Pooja ramashankar Gupta	9	3	9	9	9	9	9	9	9	9	9	9	9	9	9	
6	Bhumika chandraprakash varma	10	9	9	9	10	10	9	10	10	8	9	8	10	9	9	
7	Vaishnavi ganesh shirsath	10	9	9	10	9	10	9	8	7	9	9	8	7	8	9	
8	Nikhil Prakash Rokade	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
9	Nemade Vidya Kiran	9	10	8	8	10	10	9	10	9	9	9	10	10	9	9	
10	Kajale payal balasaheb	8	9	10	10	9	8	9	10	10	10	9	9	9	9	10	
11	Shruti Vilas WAKHARE	10	10	10	10	9	7	8	6	8	10	9	10	9	8	9	
12	Bhagyashri Balasaheb Bhosale	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
13	Mali Rushikesh Anil	9	8	8	10	9	9	10	10	9	8	9	9	9	8	9	
14	Kale Akshada Vishnu	9	9	8	9	7	9	5	9	10	9	9	8	8	7	10	
15	prajkta jayawant gore	10	10	10	10	10	10	9	10	10	9	10	9	10	10	9	
16	Tejas Sudam Gamane	10	9	9	9	10	10	9	9	10	9	10	10	9	9	9	
17	Nikhil Ravindra Patil	10	8	8	9	9	9	10	9	10	10	10	10	10	9	10	
18	Pradnya Dnyaneshwar ippar	7	6	7	7	8	9	8	7	8	7	7	8	6	7	7	
19	Shaikh Sana afreen Mohammad Hanif	9	9	7	8	9	8	8	9	9	9	10	9	9	9	9	
20	Muskaan payamoddin khatik	10	6	10	10	8	2	5	5	7	6	7	7	5	4	7	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

	Department: Microbiology			Programme: BSc		Year: 2022-23		Sem: VI										
Attainment Analysis Step III: Programme Exit Survey																		
Internal & External Exam - 2022-23			Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student		36194 CO4					36195 CO5					36196 CO6					
		Marks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1	Nakshatraa Pingale		10	10	10	10	10	10	8	8	9	8	10	10	10	10	10	
2	TEJAS PRALHAD WAGH		10	10	9	9	10	10	9	10	10	10	10	10	10	10	10	
3	Bajaniya Krupa Hiteshbhai		10	9	9	10	10	10	9	10	10	8	9	10	9	8	8	
4	Kartiki Mangesh Borse		10	10	10	10	10	10	10	10	10	10	8	9	9	10	10	
5	Pooja ramashankar Gupta		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
6	Bhumika chandraprakash varma		8	10	10	9	9	10	10	10	9	9	9	10	9	10	9	
7	Vaishnavi ganesh shirsath		10	9	8	8	9	9	10	8	9	8	10	9	10	10	9	
8	Nikhil Prakash Rokade		10	10	10	10	10	10	10	10	10	10	10	10	7	9	7	
9	Nemade Vidya Kiran		8	9	9	9	9	8	9	10	10	9	8	8	8	7	9	
10	Kajale payal balasaheb		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
11	Shruti Vilas WAKHARE		8	10	9	8	8	5	6	5	9	10	10	9	9	10	10	
12	Bhagyashri Balasaheb Bhosale		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
13	Mali Rushikesh Anil		9	9	9	9	9	10	10	10	10	10	10	10	10	10	9	
14	Kale Akshada Vishnu		9	8	7	9	9	10	9	9	10	8	8	8	8	8	10	
15	prajkta jayawant gore		9	10	10	10	10	10	10	9	9	10	10	10	10	10	10	
16	Tejas Sudam Gamane		10	10	10	10	10	10	10	9	9	8	10	9	10	9	10	
17	Nikhil Ravindra Patil		10	9	10	8	10	8	10	9	10	8	9	9	9	9	9	
18	Pradnya Dnyaneshwar ippar		7	6	6	7	7	8	9	7	7	6	7	7	8	7	8	
19	Shaikh Sana afreen Mohammad Hanif		9	9	9	10	10	10	10	8	8	7	9	10	7	8	7	
20	Muskaan payamoddin khatik		9	7	6	7	7	7	7	4	6	7	6	8	4	2	8	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Department: Microbiology Programme: BSc Year: 2022-23 Sem: VI

Attainment Analysis Step III: Programme Exit Survey

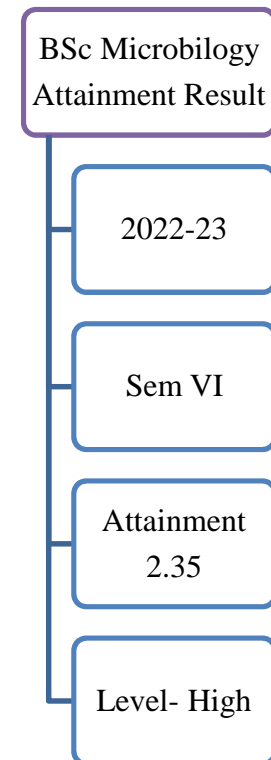
Internal & External Exam - 2022-23		Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	Q.1	Q.2	Q.3	Q.4	Q.5	
Sr. No	Name of the Student	36197 CO7					36198 CO8					36199 CO9					
		Marks	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
		50% Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1	Nakshatraa Pingale	10	9	9	10	10	10	9	9	10	10	10	10	9	10	10	
2	TEJAS PRALHAD WAGH	10	10	9	10	10	10	10	10	10	9	9	7	7	8	8	9
3	Bajaniya Krupa Hiteshbhai	10	9	10	10	8	9	10	10	9	8	9	10	9	9	10	
4	Kartiki Mangesh Borse	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
5	Pooja ramashankar Gupta	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
6	Bhumika chandraprakash varma	9	9	10	9	9	10	9	8	10	10	10	9	9	9	10	
7	Vaishnavi ganesh shirsath	10	9	8	10	8	9	8	7	9	10	10	9	8	9	10	
8	Nikhil Prakash Rokade	8	8	7	9	8	9	8	8	7	8	8	8	6	9	9	
9	Nemade Vidya Kiran	8	8	8	8	9	10	10	9	9	9	9	9	9	10	9	
10	Kajale payal balasaheb	10	7	9	10	10	9	10	10	10	10	9	10	10	9	10	
11	Shruti Vilas WAKHARE	9	10	9	9	10	9	10	9	10	9	10	9	9	8	10	
12	Bhagyashri Balasaheb Bhosale	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
13	Mali Rushikesh Anil	9	9	10	10	10	10	9	8	10	10	10	10	8	9	10	
14	Kale Akshada Vishnu	4	9	9	10	9	9	10	9	10	9	10	9	10	10	9	
15	prajkta jayawant gore	10	10	9	9	9	10	10	9	10	10	10	10	9	10	10	
16	Tejas Sudam Gamane	10	9	10	10	9	10	10	10	10	10	10	10	10	10	10	
17	Nikhil Ravindra Patil	10	10	10	10	10	8	9	7	10	10	10	9	10	10	9	
18	Pradnya Dnyaneshwar ippar	7	8	7	7	5	9	7	4	6	6	7	5	7	8	7	
19	Shaikh Sana afreen Mohammad Hanif	9	8	7	8	9	9	9	9	8	9	9	8	7	8	10	
20	Muskaan payamoddin khatik	5	10	9	10	5	6	6	7	9	10	3	2	1	1	10	

**Maratha Vidya Prasarak Samaj's,
Karmaveer Shantarambapu Kondaji Wavare Arts, Science & Commerce College, CIDCO, Nashik**

Attainment Analysis Step V: Direct and Indirect Attainment Analysis

Attainment of CO, PO & PSO

Attainment of CO, PO & PSO				
Direct Total Attainment			Indirect Total Attainment	
	Internal	External	CO	Level
CO1	3	1	CO1	3
CO2	3	1	CO2	3
CO3	3	1	CO3	3
CO4	3	1	CO4	3
CO5	3	1	CO5	3
CO6	3	1	CO6	3
CO7	3	3	CO7	3
CO8	3	3	CO8	3
CO9	3	3	CO9	3
CO10	3	1	CO10	3
CO11	3	1	CO11	3
Attainment	3.00	1.67	Final Direct Attainment	3.00
Weightage	30%	70%		
Direct Total Attainment	0.90	1.17		
Final Direct Attainment	2.07			
Weightage	70%		30%	
Direct Total Attainment	1.45		0.90	
Final Direct Attainment	2.35			



Level of Attainment	Base Value (level)	PO/ PSO Attainment Value
Low	1	2.35
Medium	2	
High	3	

**Maratha Vidya Prasarak Samaj's,
Karmveer Shantarambapu Kondaji Waware Arts, Science & Commerce College, CIDCO, Nashik**

**Internal Quality Assurance Cell
Attainment result of CO, PO & PSO**

Department of Microbiology


Year : 2022-2023

Programme : B.Sc.

Sr. No.	Semister	Direct Attainment	Indirect Attainment	Attainment Value
1	V	2.35	0.90	2.35
2	VI	2.35	0.90	2.35
Total	Average	2.35	0.90	2.35

Level of Attainment	Base Value (level)
Low	1
Medium	2
High	3

Level of Attainment
High


Principal
Maratha Vidya Prasarak Samaj's
Karmaveer Shantarambapu Kondaji Waware
Arts, science and Commerce College,
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