

Key Indicator – 2.6

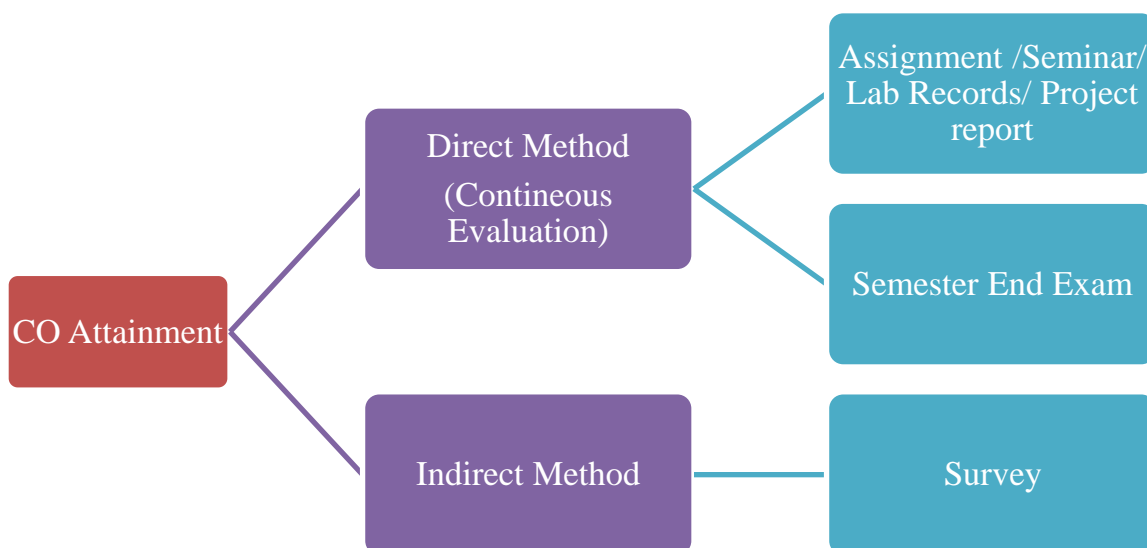
2.6.2 Attainment of the program outcomes and course outcomes are evaluated by the institution.

Overall attainment of the COs is evaluated by the respective department of the college. CO attainments are measured directly in terms of performance of the students in internal examination and semester examinations conducted by University. After declaration of the university examination results, every department of college prepares reports of the programme and course-wise result analysis. As per the pre-defined scales, the respective departments evaluate the overall attainment level of the COs for each course. Course Outcome is evaluated directly based on the performance of students in internal assessments (20%) and in university examination (80%) of a course. And indirect evaluation of attainment of the COs is conducted on the basis of university merit list and survey.

The POs are the qualities that graduates must have acquired at the time of completion of their programmes. Quantitative reports on overall attainment of the COs of all the programmes are collected by the IQAC to prepare attainment reports of the corresponding POs. Result analysis of the semester-end university examinations and internal assessment are discussed in the Staff Council and the College Development Committee meetings. As per suggestions received in these meetings, the IQAC initiates required action for further improvements in this regard.

Assessment Rubrics: An overall cut-off value is taken for all COs commonly based on the highest marks secured and the number of students with their internal and semester-end examination marks above the cut-off value is considered for rating all CO attainments.

Sr. No.	No. of students having marks > cut-off	Attainment Level
1	100-70%	4
2	50-70%	3
3	50-30%	2
4	<30%	1



1) CO Attainment for each Subject(Direct Method) :

Overall Attainment:

The Final CO attainment is calculated by combining the internal attainment and External attainment in a ratio of 20:80.

Final Value (V) = 20% of Internal Exam (I.A.) + 80% of External Exam (UNI)

Biochemistry	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	85	89.74
CO 2	100	81.58
CO 3	100	95.56
CO 4	100	88.64
CO 5	100	100
CO 6	100	93.33
Average %	97.5	91.47
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Bioinformatics	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	90	93.55
CO 2	90	75.86
CO 3	100	95
CO 4	100	55
CO 5	100	100
CO 6	100	44.44
Average %	96.66	77.30
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Botany	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	90	90.28
CO 2	89	55.39
CO 3	100	97.56
CO 4	100	65.22
CO 5	100	99.49
CO 6	100	81.03
Average %	96.50	81.49
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Computer Science	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	94	94.94

CO 2	90	50.67
CO 3	98	97.92
CO 4	98	63.83
CO 5	100	100
CO 6	100	77.46
Average %	96.66	80.80
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Chemistry	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	100	93.83
CO 2	100	54.84
CO 3	98	97.01
CO 4	99	75.60
CO 5	100	99.22
CO 6	100	70.23
Average %	99.50	81.78
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Electronics	2021-22	
Pass Percentage	I.A.	UNI
CO 1	100	91.07
CO 2	100	38.18
CO 3	100	97.92
CO 4	100	64.58
CO 5	100	100
CO 6	100	66.67
Average %	100	76.40
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

English	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	97	92.75
CO 2	97	68.51
Average %	97	80.63
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Marathi	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	99	93.21
CO 2	99	87.71
Average %	99	90.49
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Hindi	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	95	93.98
CO 2	100	86.59
Average %	97.5	90.28
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Information Tech.	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	96	100
CO 2	96	3.7
CO 3	100	100
CO 4	100	73.68
CO 5	100	100
CO 6	100	87.50
Average %	98.66	77.48
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Microbiology	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	100	94.37
CO 2	100	70.80
CO 3	100	96.90
CO 4	100	77.34
CO 5	100	100
CO 6	100	91.49
Average %	100	88.48
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Mathematics	Session 2021-22	
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Pass Percentage	I.A.	UNI
CO 1	100	92.31
CO 2	100	39.13
CO 3	100	95.35
CO 4	100	65.35
CO 5	100	100
CO 6	93	87.42
Average %	98.83	79.92
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Physics	Session 2021-22	
Pass Percentage	I.A.	UNI
CO 1	98	93.51
CO 2	97	41.01
CO 3	99	95.63
CO 4	94	56.96
CO 5	100	100
CO 6	87	76.32
Average %	95.83	77.23
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Zoology	2021-22	
Pass Percentage	I.A.	UNI
CO 1	100	95.02
CO 2	93	52.34
CO 3	100	94.48
CO 4	94.75	61.49
CO 5	99	99.03
CO 6	99	75
Average %	97.62	79.56
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

2) Final CO attainment (UG) for all subjects is average of attainment for all subjects for academic session 2021-2022

Sr. No	Subject	CO attainment	Final CO Attainment -UG (Average of all subject CO)
1	Biochemistry	4	
2	Bioinformatics	4	

3	Botany	4	4
4	Chemistry	4	
5	Computer Sci/IT	4	
6	Electronics	4	
7	English	4	
8	Hindi	4	
9	Marathi	4	
10	Mathematics	4	
11	Microbiology	4	
12	Physics	4	
13	Zoology	4	

3) Final CO attainment for PG is average of attainment for all courses for academic session 2021-2022. The level of attainment for this session is 4.

Chemistry	Session 2021-2022	
Pass percentage	I.A.	UNI
1s P1	100	95.45
P2	100	95.45
P3	100	95.45
P4	100	95.45
2SP5	100	85.71
P6	100	80.95
P7	100	90.48
P8	100	90.48
3S P9	100	100
P10	100	100
P11	100	100
P12	100	100
4s P13	100	62.50
P14	100	70.80
P15	100	66.67
P16	100	95.83
Average %	100	89
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Microbiology	Session 2021-2022	
Pass percentage	I.A.	UNI
1s P1	100	100
P2	100	100
P3	100	100
P4	100	100
2SP5	100	88.46
P6	100	84.62

P7	100	92.31
P8	100	88.46
3S P9	100	100
P10	100	100
P11	100	100
P12	100	100
4s P13	100	88.46
P14	100	84.62
P15	100	92.31
P16	100	88.46
Average %	100	93.98
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Mathematics	Session	2021-2022
Pass percentage	I.A.	UNI
1s P1	99	98.98
P2	99	97.96
P3	96	97.96
P4	99	97.96
P5	99	97.96
2SP1	93	44.90
P2	94	36.73
P3	90	63.27
P4	88	57.14
P5	92	68.37
3S P1	100	97.41
P2	100	97.41
P3	100	96.55
P4	100	97.41
P5	100	97.41
4s P1	92	69.03
P2	85	46.02
P3	89	44.25
P4	93	69.03
P5	86	71.68
Average %	95	77
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Biochemistry	Session	2021-2022
Pass percentage	I.A.	UNI
1s P1	100	96.97
P2	100	96.97
P3	100	96.97

P4	100	96.97
2SP5	100	71.88
P6	100	96.88
P7	100	96.88
P8	100	87.50
Average %	100	92.63
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Botany	Session 2021-2022	
Pass percentage	I.A.	UNI
1s P1	100	100
P2	100	100
P3	100	100
P4	100	100
2SP5	85	44.44
P6	85	72.22
P7	85	47.22
P8	85	75
Average %	92.5	80
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Computer Science	Session 2021-2022	
Pass percentage	I.A.	UNI
1s P1	100	100
P2	100	100
P3	100	100
P4	100	100
2SP5	88	60
P6	88	53.33
P7	88	40
P8	88	50
Average %	94	75.41
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Physics	Session 2021-2022	
Pass percentage	I.A.	UNI
1s P1	92	97.06
P2	92	97.06
P3	92	97.06
P4	92	97.06

2SP5	80	38.24
P6	80	38.24
P7	80	44.12
P8	80	38.24
Average %	86	69
A.L	4	3
Final CO Attainment = 20%IA+ 80% UNI	3.4	

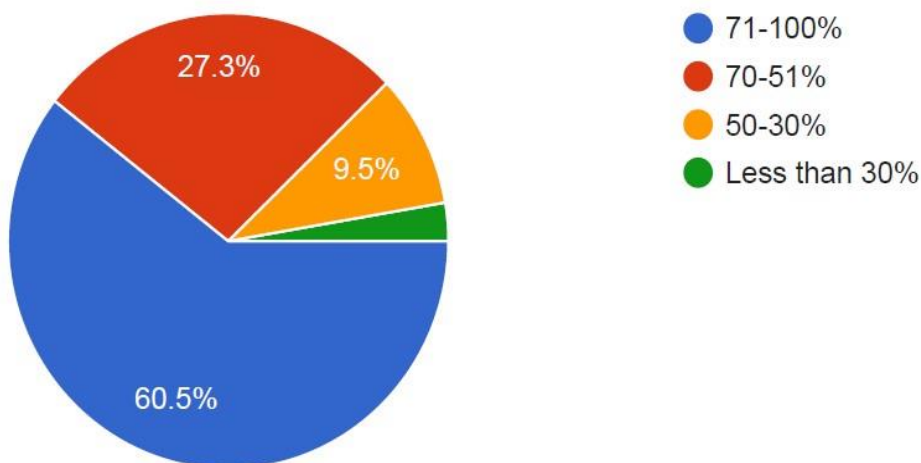
Zoology	Session 2021-2022	
Pass percentage	I.A.	UNI
1s P1	100	100
P2	100	100
P3	100	100
P4	100	100
2SP5	99	55.56
P6	99	72.22
P7	99	66.67
P8	99	88.89
Average %	99.5	85
A.L	4	4
Final CO Attainment = 20%IA+ 80% UNI	4	

Merit Students

(Merit student of session 2021-2022 not yet declare by university)				
Meritorious Student of Session 2020-21				
Sr. No.	Program	Name Of Student	Merit University Exam	in Year
1	PG1(Chemistry)	Shraddha Hatgaonkar	1st	2020-2021
2	PG2 (Microbiology)	Rajeshwari Chavhan	5th	2020-2021
3	PG3(Mathematics)	Sayali M. Kalmegh	10th	2020-2021

5) COs, POs attainment Survey (Indirect Method):

COs, POs attainment Survey was carried out among students for Level of Attainment of Courses and Programs offered at the Institution. In this survey, around 60.5% of students rated for a range of 71-51%, 27.3% of students rated for a range of 70-90%, whereas 9.5% of students rated for 50-30%, and only 2.8% of students rated for less than 30%.



PO Attainment:

The attainment of a programme is determined on the basis of the intangible attributes such as knowledge, skills, and abilities that students should possess after completion of the programme.

We believe that when students complete programmes from our institution, they walk out to be good citizens with sound minds. In the past years, many students from our institution have joined the Indian defense services where they are tested for abilities like team work, leadership, critical thinking, and patriotism. Many students have joined hands with NGOs to work on different societal and environmental problems. These students help generate solutions for global issues. Some students complete their programme and join renowned research institutes. These students promote innovation in fields of their expertise. Some students of our institute have worked as “healthcare frontline warriors” during the COVID pandemic and served the society with their courage and enthusiasm. Such students have been involved in development and testing of COVID vaccine during the current pandemic. Some students work in creative fields such as art, theatre, dance, and copywriting. Many students pursue teaching and in return generate more students who are efficient and competent for the continuous changing world.