



The Berar General Education Society's  
**Shri Radhakisan Laxminarayan Toshniwal  
College of Science, Akola (M.S.)  
(Shri R.L.T. College of Science)**



Recognized by Government of Maharashtra  
Affiliated to Sant Gadge Baba Amravati University, Amravati  
Re-accredited 'A' by NAAC, Bangalore With CGPA-3.12



**4<sup>th</sup> Cycle of NAAC  
ASSESSMENT AND ACCREDITATION**

**CRITERION II Teaching Learning and Evaluation**

**Key Indicator - 2.6**

**Student Performance and Learning outcomes**

**2.6.1 QIM Programme outcomes (POs) and Course Outcome (COs) for all Programme offered by Institution are stated and displayed on website and attainment of POs and COs are evaluated**



**The Berar General Education Society's Akola**  
**SHRI RADHAKISAN LAXMINARAYAN TOSHNIWAL COLLEGE OF SCIENCE**  
**Civil Lines, Akola. 444001 (Maharashtra)**

*Affiliated to Sant Gadge Baba Amravati University, Amravati*

*Reaccredited by NAAC with 'A' grade with CGPA 3.12*

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Ref. No: *RLT/IQAC/C-II/7*

Date: *12/10/2022*

### **DECLARATION**

This is to declare that, the information, data, true copies of the supporting documents, etc. furnished herein this "Key Indicator- 2.6 Student Performance and Learning Outcome" file is checked and verified by IQAC, Shri R. L. T. College of Science, Akola, and found to be correct.

**(Dr. R. L. Rahatgaonkar)**

IQAC Coordinator

Shri R L T College of Science, Akola



**(Dr. V.D. Nanoty)**

Principal & IQAC Chairman

Shri R L T College of Science, Akola

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**Key Indicator – 2.6****2.6.1 Programme outcomes (POs) and Course Outcome (COs) for all Programme offered by Institution are stated and displayed on website and attainment of POs and COs are evaluated**

At the entry level students are informed about Programme outcome and course outcome for all programme offered by institution which are clearly stated and displayed on website. After the successful completion of course overall attainment of the COs is evaluated by the respective department of the college. The method of evaluation of the COs is as follows. Overall attainment of the COs is measured directly in terms of performance of the students in internal examination and the semester end examinations conducted by the university. After the declaration of the university examination results, every department of the college prepares reports of the programme-wise and course-wise result analysis. As per the pre-defined scales, the respective departments evaluate the overall attainment level of the entire COs for each course. Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 20% and university assessment contributes 80% to the total attainment of a CO.

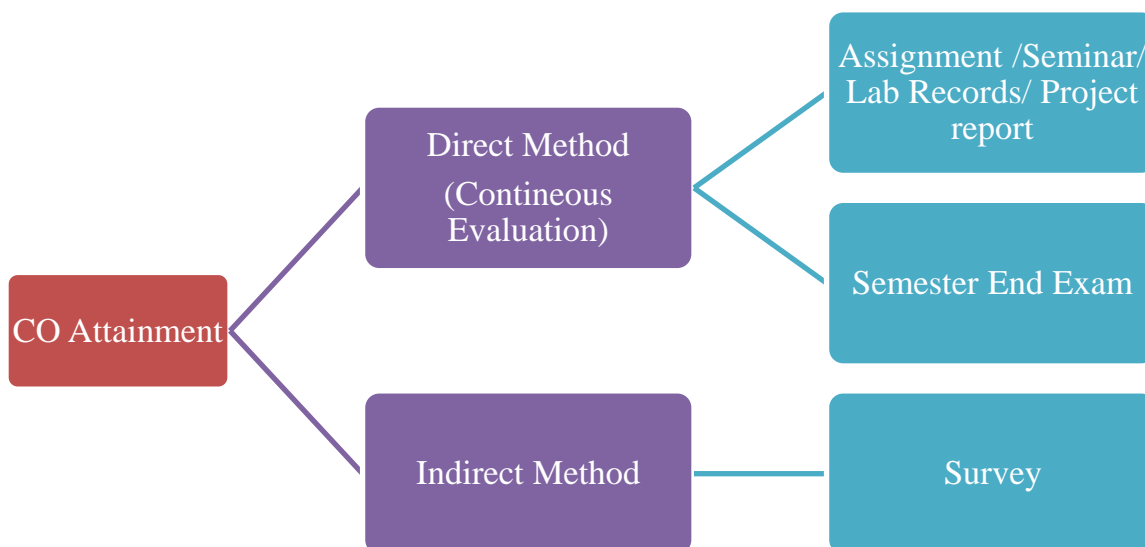
To cite an example, if, for a given course, the enrolled students score more than 30% marks in the final examination and internal assessment; then the overall attainment level of the COs is said to be LEVEL-1 (lowest level); if, for a given course, the enrolled students score 50-30% marks in the final examination and internal assessment, then the overall attainment level of the COs is said to be LEVEL-2; if, the enrolled students score 50-70% marks in the final examination and internal assessment, then the overall attainment level of the COs is said to be LEVEL-3; and if, for a given course, the enrolled students score more than 70% marks in the final examination and internal assessment, then the overall attainment level of the COs is said to be LEVEL-4 (highest level). On the basis of the overall performance of the students in the class-tests, seminars, quizzes, home-assignments, project assignments and the students' feedback on teaching, learning & evaluation CO attainment are calculated.

Evaluation of the Attainment of the POs: The POs are the qualities that graduates must have acquired at the time of completion of their programmes. Thus, at the end of each program, evaluation of attainment of the POs is conducted on the basis of the attainments of the COs of all subjects. Other key parameters considered for evaluation of attainment of POs are percentage of students due for degree, percentage of merits in the university merit list, and students' feedback. 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 Council of Heads, Staff Council and the College Development Committee meetings. As per suggestions received in these meetings, the IQAC initiates required action for the further improvements in this regard.

## CRITERION II: Teaching Learning and Evaluation

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 UG 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)**

## CRITERION II: Teaching Learning and Evaluation

Biochemistry	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	83	78.72	77	65	98	62.50	89	80.77	85	89.74
CO 2	89	78.72	70	72.50	92	100	81	80.77	100	81.58
CO 3	83	60	91	64.44	100	64.86	96	97.83	100	95.56
CO 4	91	77.50	97	74.47	91	62.50	100	97.87	100	88.64
CO 5	98	90.24	90	90.24	100	100	100	100	100	100
CO 6	98	75	92	75	94	64.86	100	100	100	93.33
Average %	90.33	76.57	86.16	73.60	95.83	75.78	94.33	79.41	97.5	91.47
A.L	4	4	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		4		4		4	

Botany	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	94	82.38	93	52	97	39.23	100	85.50	90	90.28
CO 2	94	82.38	91	71.82	98	100	100	85.50	89	55.39
CO 3	93	44.10	100	82.61	99	48.98	100	98.51	100	97.56
CO 4	98	57.41	98	52	100	39.23	100	99.01	100	65.22
CO 5	94	79	94	83.33	98	100	99	97.50	100	99.49
CO 6	95	81.82	96	77.78	99	48.98	100	97.50	100	81.03
Average %	94.66	71.01	95.33	70	98.5	62.73	99.83	93.92	96.50	81.49
A.L	4	4	4	4	4	3	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		3.2		4		4	

Bioinformatics	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	89	40.63	93	52	97	54.84	100	100	90	93.55
CO 2	89	40.63	93	84.00	97	100	100	100	90	75.86
CO 3	94	53.57	96	82.61	100	77.27	100	100	100	95
CO 4	96	55.56	98	52	100	54.84	100	100	100	55
CO 5	100	63.64	100	83.33	100	100	100	100	100	100
CO 6	100	54.55	100	77.78	100	77.27	100	100	100	44.44
Average %	94.66	51.43	96.66	71.95	99	77.37	100	100	96.66	77.30
A.L	4	3	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	3.2		4		4		4		4	

## CRITERION II: Teaching Learning and Evaluation

Computer Science	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
CO 1	100	67.69	93	73.33	99	52.94	100	82.69	94	94.94
CO 2	92	67.69	88	69.44	94	98.53	100	82.69	90	50.67
CO 3	97	74.58	97	52.83	97	70.77	99	95.83	98	97.92
CO 4	97	63.79	90	50.82	96	52.94	97	98.61	98	63.83
CO 5	100	61.30	98	70.59	100	98.53	100	98.63	100	100
CO 6	99	52.94	98	52.94	98	70.77	100	94.52	100	77.46
Average %	97.5	64.66	94	61.70	97.33	74.08	99.33	92.16	96.66	84.10
A.L	4	3	4	3	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	3.2		3.2		4		4		4	

Chemistry	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
CO 1	100	75.28	100	58.64	100	54.77	100	86.47	100	93.83
CO 2	100	75.28	100	68.68	100	100	100	86.47	100	54.84
CO 3	97	58.38	99	50.91	97	57.77	96	97.49	98	97.01
CO 4	98	66.85	98	61.78	98	54.77	97	99	99	76.50
CO 5	100	80.68	99	76.98	100	100	100	97.66	100	99.22
CO 6	99	81.40	98	80.69	100	57.77	100	98.51	100	70.23
Average %	99	72.97	99	66.28	99.16	70.84	98.83	94.26	99.5	81.90
A.L	4	4	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		4		4		4	

Electronics	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
CO 1	93	63.89	94	44.12	99	51.61	100	92.59	100	91.07
CO 2	93	63.89	100	60.00	99	100	100	92.59	100	38.18
CO 3	97	52.11	93	50.98	100	51.85	100	97.55	100	97.92
CO 4	94	64.29	95	54.10	100	51.61	100	96.67	100	64.58
CO 5	99	78.57	99	80.39	100	100	100	100	100	100
CO 6	99	88.10	98	80	100	51.85	100	95.52	100	66.67
Average %	95.83	68.47	96.5	61.59	99.66	67.82	100	95.82	100	76.40
A.L	4	3	4	3	4	3	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	3.2		3.2		3.2		4		4	

## CRITERION II: Teaching Learning and Evaluation

English	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	95	94.36	95	79.13	95	72.49	98	86.06	97	92.75
CO 2	92	94.36	94	90.93	97	100	98	86.06	97	68.51
Average %	<b>93.5</b>	<b>94.36</b>	<b>94.5</b>	<b>85.03</b>	<b>96</b>	<b>86.24</b>	<b>98</b>	<b>86.06</b>	<b>97</b>	<b>80.63</b>
A.L	4	4	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		4		4		4	

Hindi	2017-18		2018- 19		2019- 20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	96.95	100	97.05	96.51	95.16	96.55	99.44	87.88	94.62	93.98
CO2	97.33	100	92.85	94.05	98.27	100	98.27	87.88	99.44	86.59
Average %	97.14	100	94.92	95.28	96.75	98.27	98.85	87.88	97.03	90.28
A.L	4	4	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		4		4		4	

Information Tech.	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	92	42.86	89	52.63	97	67.86	100	90.48	96	100
CO 2	79	42.86	91	34.21	74	100	100	90.48	96	3.70
CO 3	100	65.71	83	76.92	97	45.45	100	92.86	100	100
CO 4	97	51.43	94	62.50	92	67.86	100	100	100	73.68
CO 5	100	86.90	97	72.41	100	100	94	97.67	100	100
CO 6	100	86.90	97	71.43	100	45.45	78	97.67	100	87.50
Average %	81.63	62.77	91.83	61.66	93.33	71.10	95.33	94.86	98.66	77.48
A.L	4	3	4	3	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	3.2		3.2		4		4		4	



## CRITERION II: Teaching Learning and Evaluation

Microbiology	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	93	90.30	80	75.20	98	77.03	100	95.59	100	94.37
CO 2	97	90.30	92	77.60	97	100	100	95.59	100	70.80
CO 3	90	62.81	84	66.14	100	69.42	100	98.59	100	96.90
CO 4	87	71.90	96	61.87	100	77.03	100	99.32	100	77.34
CO 5	100	87.30	94	92.45	98	100	100	99.30	100	100
CO 6	99	93.10	98	90.48	97	69.42	100	100	100	91.49
Average %	94.33	85.91	90.66	77.29	98.33	82.15	100	98.06	100	88.48
A.L	4	4	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		4		4		4	

Mathematics	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	86.91	68.97	95.43	59.09	96.27	53.80	100	88.67	100	92.31
CO 2	90.07	68.97	85.76	63.32	100	100	85.05	88.67	100	39.13
CO 3	98.78	63.93	90.67	55.15	97.56	60.67	99	98.73	100	95.35
CO 4	96.73	70.95	94.38	70	97.29	53.80	100	100	100	65.35
CO 5	85.76	72.73	97.74	65.67	99	100	96.41	99.54	100	100
CO 6	98.26	90.91	98.70	88.89	96.19	60.67	90.43	99.54	93	87.42
Average %	93	72.66	93.83	67	81.5	72.83	95.14	96.01	98.83	79.92
A.L	4	4	4	3	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		3.2		4		4		4	

Marathi	2017-18		2018- 19		2019- 20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	97.95	97.42	98.83	96.73	97.45	87.95	97.35	86.62	99.56	93.21
CO2	98.74	97.42	99.35	92.89	99.08	100	98.88	86.62	99.34	87.71
Average %	98.34	97.42	99.09	94.81	98.27	93.97	98.15	86.62	99.45	90.46
A.L	4	4	4	4	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	4		4		4		4		4	

## CRITERION II: Teaching Learning and Evaluation

Physics	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	98	60.57	95	45.97	98	46.46	99	88.59	98	93.51
CO 2	98	60.57	97	59.67	96	100	98	88.59	97	41.01
CO 3	69	59.64	73	49.48	97	63.85	97	96.46	99	95.63
CO 4	84	51.14	74	58.80	97	46.46	97	98.99	94	56.96
CO 5	88	62.57	99	51.89	96	100	97	99.61	100	100
CO 6	94	84.66	95	84.23	93	63.85	81	99.23	87	76.32
Average %	88.5	63.19	88.83	58.34	96.16	70.10	94.83	95.25	95.83	77.23
A.L	4	3	4	3	4	4	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	3.2		3.2		4		4		4	

Zoology	2017-18		2018-19		2019-20		2020-21		2021-22	
	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
Pass Percentage										
CO 1	91	77.63	89	49.79	93	43.69	90	91.98	100	95.02
CO 2	85	77.63	92	67.11	88	100	98	91.98	93	52.34
CO 3	95	55.88	94	56.76	98	55.88	99	98.12	100	94.48
CO 4	94	56.47	94	47.76	98	43.69	100	99.53	94.75	61.49
CO 5	98	72	97	81.06	98	100	98	96.43	99	99.03
CO 6	98	77.78	99	66.67	99	55.88	98	97.62	99	75
Average %	93.5	69.56	94.16	61.52	95.66	66.52	97.16	95.94	97.62	79.56
A.L	4	3	4	3	4	3	4	4	4	4
Final CO Attainment = 20%IA+ 80% UNI	3.2		3.2		3.2		4		4	

## CRITERION II: Teaching Learning and Evaluation

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2) Final CO attainment (UG) for all subjects is average of attainment for all subjects for Last five years is 3.78

Sr. No	Subject	CO attainment	Final CO Attainment -UG (Average of all subject CO)
1	Biochemistry	4	<b>3.8</b>
2	Bioinformatics	3.04	
3	Botany	3.84	
4	Chemistry	4	
5	Computer Sci	3.68	
6	IT	3.68	
7	Electronics	3.52	
8	English	4	
9	Hindi	4	
10	Marathi	4	
11	Mathematics	3.84	
12	Microbiology	4	
13	Physics	3.68	
14	Zoology	3.5	

## CRITERION II: Teaching Learning and Evaluation

- 3) Final CO attainment for PG is average of attainment for all courses for academic session 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022. The level of attainment for this session is 4.

Chemistry	2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Pass Percentage	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.
<b>1S P1</b>	100	80	100	70	100	89.47	100	100	100	95.45
P2	100	60	100	45	100	89.47	100	100	100	95.45
P3	100	95	100	80	100	63.16	100	100	100	95.45
P4	100	90	100	75	100	100	100	100	100	95.45
<b>2S P5</b>	100	65	100	89.47	100	100	100	100	100	85.71
P6	100	70	100	63.16	100	100	100	100	100	80.95
P7	100	85	100	100	100	100	100	100	100	90.48
P8	100	75	100	100	100	100	100	100	100	90.48
<b>3S P9</b>	100	59.09	100	54.55	100	80	100	100	100	100
P10	100	72.72	100	54.55	100	80	100	100	100	100
P11	100	59.09	100	50	100	55	100	100	100	100
P12	100	90.91	100	59.09	100	85	100	100	100	100
<b>4s P13</b>	100	81.82	100	60.87	100	95.24	100	100	100	62.50
P14	100	95.45	100	86.90	100	95.24	100	100	100	70.80
P15	100	90.91	100	69.57	100	95.24	100	100	100	66.67
P16	100	77.27	100	69.57	100	95.24	100	100	100	95.83
<b>Average %</b>	<b>100</b>	<b>86.19</b>	<b>100</b>	<b>70.48</b>	<b>100</b>	<b>88.87</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>89</b>
<b>A.L</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Final CO Attainment = 20%IA+ 80% UNI</b>	<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>	

Microbiolog	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
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## CRITERION II: Teaching Learning and Evaluation

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Pass Percentage	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI
<b>1s P1</b>	100	100	100	100	100	95.66	100	96.43	100	100
P2	100	95.83	100	100	100	100	100	100	100	100
P3	100	95.83	100	100	100	100	100	100	100	100
P4	100	95.83	100	100	100	100	100	100	100	100
<b>2SP5</b>	100	95.65	100	95.65	100	100	100	100	100	89.47
P6	100	100	100	95.65	100	100	100	100	100	86.58
P7	100	100	100	91.3	100	100	100	100	100	92.32
P8	100	100	100	95.65	100	100	100	100	100	89.46
<b>3S P9</b>	100	94.74	100	100	100	85	100	100	100	100
P10	100	100	100	95.45	100	95	100	100	100	100
P11	100	100	100	95.45	100	95	100	100	100	100
P12	100	100	100	100	100	95	100	100	100	100
<b>4s P13</b>	100	94.74	100	100	100	100	100	100	100	88.46
P14	100	100	100	100	100	100	100	100	100	84.62
P15	100	100	100	100	100	100	100	100	100	92.31
P16	100	94.74	100	100	100	100	100	100	100	88.46
<b>Average %</b>	<b>100</b>	<b>97.96</b>	<b>100</b>	<b>98.07</b>	<b>100</b>	<b>97.85</b>	<b>100</b>	<b>99.77</b>	<b>100</b>	<b>93.98</b>
<b>A.L</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Final CO Attainment = 20%IA+ 80% UNI</b>	<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>	

## CRITERION II: Teaching Learning and Evaluation

Mathematics	2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Pass Percentage	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.	UNI	I.A.
1s P1	92.70	56.25	86.97	46.24	95.31	57.29	99.54	100	99	98.98
P2	95.31	64.58	89.06	41.94	95.31	14.58	99.54	100	99	97.96
P3	94.79	53.13	84.37	67.74	92.18	79.17	97.29	100	96	97.96
P4	99.14	81.25	88.02	77.42	95.83	57.29	100	100	99	97.96
P5	92.70	82.29	87.50	82.80	95.83	71.88	100	100	99	97.96
2SP1	85.41	56.04	81.77	71.76	100	77.08	99	100	93	44.90
P2	89.58	58.24	82.29	61.18	100	29.17	97.74	100	94	36.73
P3	81.77	84.62	92.18	78.82	77.60	68.79	94.59	100	90	63.27
P4	86.45	74.73	85.82	67.06	93.75	73.96	97.29	100	88	57.14
P5	88.02	84.62	82.29	80	100	64.58	98.19	100	92	68.37
3S P1	97.50	76.54	97.70	84.09	100	83.84	98.07	99.04	100	97.41
P2	97.50	50.52	98.27	80.68	100	80.81	98.07	99.04	100	97.41
P3	89.37	41.98	78.16	78.41	89.69	70.71	99.50	99.04	100	96.55
P4	98.15	53.09	99.42	69.32	100	69.70	98.07	98.08	100	97.41
P5	96.91	81.48	97.12	93.18	99	85.86	98.07	99.04	100	97.41
4s P1	95.06	87.34	94.25	80.23	98.96	98.97	91.59	99.04	92	69.03
P2	86.41	64.56	95.97	75.58	100	98.97	83.51	99.04	85	46.02
P3	82.71	79.75	98.27	82.56	84.02	98.97	89.38	98.08	89	44.25
P4	96.29	77.22	98.27	75.58	100	98.97	93.36	99.04	93	69.03
P5	95.06	74.68	93.67	88.37	100	98.87	86.28	99.04	86	71.68
<b>Average %</b>	<b>90.24</b>	<b>70</b>	<b>90.56</b>	<b>74.14</b>	<b>95.85</b>	<b>73.95</b>	<b>95.95</b>	<b>99.42</b>	<b>95</b>	<b>77</b>
<b>A.L</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>
<b>Final CO Attainment = 20%IA+ 80% UNI</b>	<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>		<b>4</b>	

Biochemistry	Session	2021-2022
<b>Pass percentage</b>	<b>I.A.</b>	<b>UNI</b>
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
<b>Average %</b>	<b>100</b>	<b>92.63</b>
<b>A.L</b>	<b>4</b>	<b>4</b>
<b>Final CO Attainment = 20%IA+ 80% UNI</b>	<b>4</b>	

## CRITERION II: Teaching Learning and Evaluation

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<b>Botany</b>	<b>Session 2021-2022</b>	
<b>Pass percentage</b>	<b>I.A.</b>	<b>UNI</b>
<b>1s P1</b>	100	100
P2	100	100
P3	100	100
P4	100	100
<b>2SP5</b>	99	44.44
P6	99	72.22
P7	99	47.22
P8	99	75
<b>Average %</b>	<b>99.5</b>	<b>80</b>
<b>A.L</b>	<b>4</b>	<b>4</b>
<b>Final CO Attainment = 20%IA+ 80% UNI</b>	<b>4</b>	

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

<b>Physics</b>	<b>Session 2021-2022</b>	
<b>Pass percentage</b>	<b>I.A.</b>	<b>UNI</b>
<b>1s P1</b>	100	97.06
P2	100	97.06
P3	100	97.06
P4	100	97.06
<b>2SP5</b>	89	38.24
P6	89	38.24
P7	89	44.12
P8	89	38.24
<b>Average %</b>	<b>95</b>	<b>69</b>
<b>A.L</b>	<b>4</b>	<b>3</b>
<b>Final CO Attainment = 20%IA+ 80% UNI</b>	<b>3.4</b>	

## CRITERION II: Teaching Learning and Evaluation

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



## CRITERION II: Teaching Learning and Evaluation

### 4) Merit Students last five years (2017-2022)

Meritorious Student of Last Five Years				
Sr. No.	Program	Name Of Student	Merit in University Exam	Year
1.	UG	Ms. Anuja Giri	7 <sup>th</sup>	2016-2017
2.		Ms. Deepali Khaddakkar	2 <sup>nd</sup>	2017-2018
3.		Ms. Priya Wankhade	6 <sup>th</sup>	2017- 2018
4.		Ms. Namrata Lohiya	5 <sup>th</sup>	2019- 2020
5.		Ms. Janaki Deshmukh	10 <sup>th</sup>	2020-2021
6.	PG P1 (Chemistry)	Ms. Bhavana Thakur	2 <sup>nd</sup>	2016- 2017
7.		Ms. Ankita Kabra	4 <sup>th</sup>	2016- 2017
8.		Ms. Farheen B. Maniyar	3 <sup>rd</sup>	2017-2018
9.		Ms. Vrushali R. Wankhade	8 <sup>th</sup>	2017- 2018
10.		Ms. Shadhha Hatgaonkar	1 <sup>st</sup>	2020-2021
11.		Ms. Roshni Gwalani	6 <sup>th</sup>	2020-2021
12.		Ms. Anjali Yadav	9 <sup>th</sup>	2020-2021
13.		Ms. Komal Thakre	10 <sup>th</sup>	2020-2021
14.		Shraddha Hatgaonkar	1 <sup>st</sup>	2020-2021
15.	PG P2 (Mathematics)	Ms. Bhuwaneshwari Wankhade	1 <sup>st</sup>	2016-2017
16.		Ms. Saba Samreen M. Ameenur Rahman	5 <sup>th</sup>	2016-2017
17.		Mr. Chandrashekhar Hire	7 <sup>th</sup>	2016-2017
18.		Mr. Dhananjay Sakhare	7 <sup>th</sup>	2016-2017
19.		Ms. Sabaht Bano M.Huassain	9 <sup>th</sup>	2016-2017
20.		Mr. Yogesh Jadhav	10 <sup>th</sup>	2016- 2017
21.		Ms. Rumaisa T. Haris	6 <sup>th</sup>	2017-2018
22.		Ms. Renuka Agrawal	10 <sup>th</sup>	2017-2018
23.		Ms. Ishwari Virulkar	10 <sup>th</sup>	2018-2019
24.		Ms. Kanchan Panjwani	10 <sup>th</sup>	2018-2019
25.		Ms. Dipali Bhojane	5 <sup>th</sup>	2019-2020
26.			Sayali M. Kalmegh	10 <sup>th</sup>
27.	PG P3 (Microbiology)	Ms. Ankita Sharma	2 <sup>nd</sup>	2016-2017
28.		Ms. Abhilasha Deshmukh	3 <sup>rd</sup>	2016-2017
29.		Ms. Sarika Surwade	1 <sup>st</sup>	2017-2018
30.		Ms. Sneha Wankhade	2 <sup>nd</sup>	2017-2018
31.		Ms. Mrunali Kashid	1 <sup>st</sup>	2018- 2019
32.		Ms. Shruti Joshi	4 <sup>th</sup>	2018- 2019
31.		Ms. Shubahngi Laghe	5 <sup>th</sup>	2018- 2019
32.		Ms. Kanchan Mangtani	1st	2019-2020
33.		Ms. Rajeshwasri Chavhan	5 <sup>th</sup>	2020-2021

## CRITERION II: Teaching Learning and Evaluation

### Final Year Pass Percentage



संत गाडगे बाबा अमरावती विद्यापीठ अमरावती ४४४ ६०२ (म.रा.)

Ph.No.2662206, 2662207, 2662208, 2662249, 2662358, 2551633.  
FAX NO.0721- Ph.No.2662206, 2662207, 2662208, 2662249,  
2662358, 2551633.FAX NO.0721-2660949, 2662135, 2553905  
website : [www.sgbau.ac.in](http://www.sgbau.ac.in)

No. SGBAU/4/341/2022  
Date:- 13 .9.2022

To,  
The Principal,  
Shri Radhakisan Laxminarayan Toshniwal  
College of Science, Akola.


**Subject : Regarding Statistical Information.**

This is to certify that Shri Radhakisan Laxminarayan Toshniwal College of Science, Akola,(college code- 210) is an Affiliated institute conducting following program. The below mention data assure the pass percentage of students of final year / final semester, eligible for the degree program conducted by the affiliating university from 2017-2022. This certificate is issued on the request for the purpose of assessment and accreditation of the said institute by the NAAC, Bengaluru.

Pass percentage of final year / final semester conducted by this university.

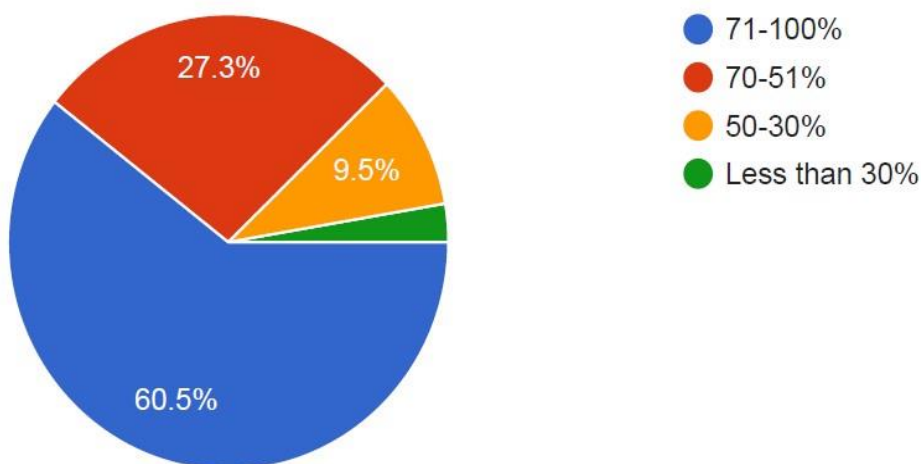
Pass percentage of Students during last five years					
Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage of Students
2017-18	U.G	B.Sc	331	252	76.13
	P.G. 1	M.Sc Chemistry	22	15	68.18
	P.G. 2	M.Sc. Mathematics	79	41	51.89
	P.G. 3	M.Sc. Microbiology	19	18	94.73
2018-19	U.G	B.Sc	388	258	66.49
	P.G. 1	M.Sc Chemistry	23	13	56.52
	P.G. 2	M.Sc. Mathematics	86	50	58.13
	P.G. 3	M.Sc. Microbiology	22	22	100
2019-20	U.G	B.Sc	441	439	99.54
	P.G. 1	M.Sc Chemistry	21	20	95.23
	P.G. 2	M.Sc. Mathematics	97	96	98.96
	P.G. 3	M.Sc. Microbiology	19	19	100
2020-21	U.G	B.Sc	610	597	97.86
	P.G. 1	M.Sc Chemistry	19	19	100
	P.G. 2	M.Sc. Mathematics	104	102	98.07
	P.G. 3	M.Sc. Microbiology	24	24	100
2021-22	U. G	B.Sc.	496	336	67.74
	P.G. 1	M.Sc Chemistry	24	11	45.83
	P.G. 2	M.Sc. Mathematics	113	30	26.55
	P.G. 3	M.Sc. Microbiology	28	25	89.29

Yours faithfully,

  
DIRECTOR  
State W Examinations  
Sant Gadge Baba Amravati University

### 5) COs, POs attainment Survey:

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 71-100%, 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%.



### 6) 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

## CRITERION II: Teaching Learning and Evaluation

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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.

  
IQAC Coordinator

Dr. R. L. Rahatgaonkar  
IQAC Co-ordinator  
Shri R.L.T. College of Science,  
Akola





Principal  
Principal  
Shri R.L.T. College of Science  
Civil Lines, AKOLA (M.S.)