



Nanded Education Society  
**Science College, Nanded**

*(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)*  
(Reaccredited with "A" grade by NAAC with (CGPA 3.38) 3rd Cycle, CPE Status,  
DST-FIST, Best College Award (SRTMUN) NIRF 72nd Ranking (Year-2017))



**Annual Quality Assurance Report  
2021-22**

**Criteria – II**

**Teaching- Learning and Evaluation**

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

# **Attainment Report of PO, PSO and CO**

## **Program Outcome Attainment 2021-2022**

**Introduction:** Attainment of various Program Outcomes is measured on the basis of performance of the learners in different curricular and co-curricular activities.

**The College uses various methods to measure Program Outcomes and the attainment level of the learners. Some of the Methods are enlisted as below-**

1. Continuous internal monitoring of students while doing regular practical and handling different instruments to evaluate modern tool usage.
2. Continuous internal evaluation is done conducting unit tests, assignments, seminars and other participative learning methods to evaluate the progress of the students.
3. Project based work in PG Classes to evaluate the efficiency to conduct investigation and do research related complex problems and design development solutions.
4. Observing the participation in sports, cultural activities, Science Day Exhibition, Eco- friendly committee activities, Earns and Learn Activities, Workshops, Conferences, etc. to evaluate the students.
5. Teachers also observe students actively participating in tree plantation activities, rain water harvesting, NSS, NCC, etc. to check students showing social responsibility and devotion towards environment.
6. Continuous assessment also considers participation of learners in different competitions and curricular activities like poster presentation, elocution competition, paper presentation, seminar, power point presentation, etc.
7. Teacher records students' ability to use ICT techniques to acquire modern tool usage and employability skills.
8. Learners' involvement in seminars, group discussions, field visits and study tours, industrial visits is used for the assessment.
9. In addition to this, learners are also evaluated constantly on the basis of their punctuality, regularity, and their shared responsibilities, participation in classroom activities and co-curricular activities and overall quality of their behavior.
10. Use of question-answer methodology to check communication skills and soft skills for creative and critical thinking of learners.

Attainment of Course outcomes and programme outcomes are evaluated by the institution. The college has implemented good education practices which are helping learning outcome assessment.

Languages Evaluation of Course Attainment:

## Parameters.

Besides this, learners are evaluated using following parameters to get the attainment of program specific outcome.

Sr. No.	PSO Attainment Level	Parameters (Student successfully completed the program course)	
1	Attainment Level 0	0-40%	Poor
2	Attainment Level 1	40-50%	Low
3	Attainment Level 2	50-60%	Moderate
4	Attainment Level 3	60-74%	Good
5	Attainment Level 4	75-100%	Excellent

### Program Outcome

Academic Year	Class	No. of students appeared	Dist <sup>n</sup>		I <sup>st</sup> Class		Total Passed	Percentage
			M	F	M	F		
2021-22	B.Sc. General	393	35	56	71	70	232	59.03
	B.Sc. Biotechnology	18	-	8	-	1	9	50.00
	M.Sc. Botany	35	6	22	1	3	32	91.43
	M.Sc. Mathematics	94	20	34	3	7	64	68.09
	M.Sc. Physics	37	5	17	7	3	32	86.49
	M.Sc. Chemistry	75	23	19	5	7	54	72.00
	M.Sc. Comp. Science	26	9	12	-	1	22	84.62
	M.Sc. Zoology	39	12	12	1	2	27	69.23
	M.Sc. Herbal Medicine	3	1	2	-	-	3	100
	M.Sc. Biotechnology	33	16	9	2	2	29	87.88
	M.Sc. Applied Math.	27	-	8	2	7	17	62.96
	M.Sc. Microbiology	34	6	16	6	3	31	91.18

## Program Specific Outcome

Attainment of various Program Specific Outcomes is measured on the basis of performance of the learners in different curricular and co-curricular activities.

With the above parameters the attainment level of Program Specific Outcome is measured as below-

## Program Specific Outcome

S. N.	Class	Appeared for Exam	Pass in Final Exam	% of Result	Pass in First class	Pass in Second Class	Pass in Third Class	Distinction	Distinction (%)	Pass in First Class (%)	Pass in Second Class (%)	Pass below Second Class (%)	L1	L2	L3	L4
1	B.Sc. General	393	232	59.03	141	0	0	91	39%	61%	0	0			3	
2	B.Sc. Biotechnology	18	9	50.00	1	0	0	8	89%	11%	0	0				4
3	M.Sc. Botany	35	32	91.43	4	0	0	28	88%	12%	0	0				4
4	M.Sc. Mathematics	94	64	68.09	10	0	0	54	84%	16%	0	0				4
5	M.Sc. Physics	37	32	86.49	10	0	0	22	69%	31%	0	0			3	
6	M.Sc. Chemistry	75	54	72.00	12	0	0	42	78%	22%	0	0				4
7	M.Sc. Comp. Science	26	22	84.62	1	0	0	21	95%	5%	0	0				4
8	M.Sc. Zoology	39	27	69.23	3	0	0	24	89%	11%	0	0				4
9	M.Sc. Herbal Medicine	3	3	100	0	0	0	3	100%	0	0	0				4
10	M.Sc. Biotechnology	33	29	87.88	4	0	0	25	86%	14%	0	0				4
11	M.Sc. Applied Math.	27	17	62.96	9	0	0	8	47%	53%	0	0			3	
12	M.Sc. Microbiology	34	31	91.18	9	0	0	22	71%	29%	0	0			3	



  
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## **Report on**

### **Attainment of Learning Outcomes 2021-22**

The IQAC has developed an efficient and proper mechanism for the attainment of learning outcomes duly approved by the Governing Body. The attainment of learning outcomes is a major aspect to improve quality and put right the system to fulfill the need for common good of students, institution and society. Therefore, in 2021-22, the attainment of learning outcomes was given due importance by the college. In order to understand the level of attainment of learning outcomes for various courses, a questionnaire comprising 19 multiple choice questions was devised and uploaded on the institutional website. The details of this survey are as follow:

Survey/Feedback Type: Online

Online Website address: <http://www.sciencecollegenanded.org>

Direct Link URL: <https://forms.gle/ZsRtoUyhEQrxRh1L6>

<https://docs.google.com/forms/d/1NAD4GYP5w4IthDtkeiOjmNvlpAVJkIfMum7n340ITec/edit#responses>


Total number of questions attempted: 19

The following are the observations on attainment of learning outcomes:


1. The students articulated their fulfillment about the display and communication of learning outcome for the courses.
2. The students have given feedback that they acquired expected competencies after completion of the program.
3. The students decided that the college provided abundance opportunities to learn all the skills that they expected.
4. The students revealed their satisfaction for adequate number of equipments and facilities as well as knowledge of teachers.
5. The students suggested increasing the numbers of copies of books in the library.

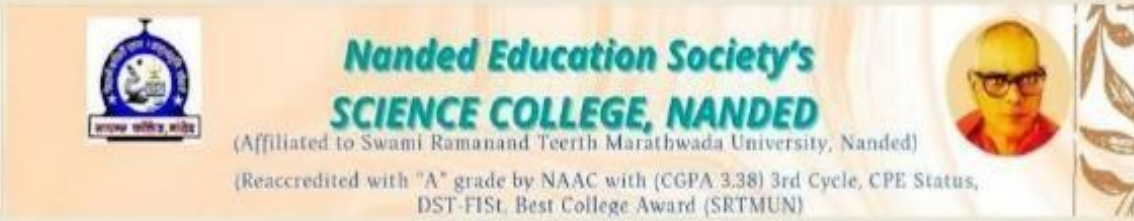
## Action taken

1. Theory unit test examinations are conducted for writing practice to the students and assignments are given to write.
2. Numbers of copies of demanded books are increased in the library.

  
Co-ordinator IQAC  
IQAC  
Co-ordinator  
N.E.S. Science College, Nanded.



  
Principal  
**PRINCIPAL**  
Science College, Nanded



## INTERNAL QUALITY ASSURANCE CELL QUESTIONNAIRE FOR EVALUATION OF POs, PSOs AND COs for the academic year 2021-2022

POs, PSOs and COs Attainment Report

424 responses

 [Link to Sheets](#) 

Accepting responses

Summary

Question

Individual

Who has responded?

Email

sharddhadagdu@gmail.com

nirajwaghmare07@gmail.com

indranilpandagale@gmail.com

umapbodke@gmail.com

parreysharayu1234@gmail.com

bhosleakanksha01@gmail.com

shivanihdm9773@gmail.com

sujatanarwade2@gmail.com



  
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## 1. Name of Student

424 responses

Pote Tai Bhagwan

Ankita Shriram Rathod

Rushabh Ramesh Adkine

Shinde Bhagavat Ashokrao

Bushra Firdous Mohammed Younus

Niraj Waghmare

Shivani Baban Mule

Durga Narayan Shinde

Omkar Anandrao Rajegore

## 2. Contact Number

424 responses

8799845039

9146845407

7588525298

7058405089

9673536277

7378855968

9607401725

9028251205

9322386315



*Shawar*  
**PRINCIPAL**  
Science College, Nanded



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### 3. Final Year Subjects

424 responses

Zoology

Zoology

Mathematics

Computer science

BZCs

CBZ

Chemistry zoology microbiology

Chemistry Botany Zoology

BZM

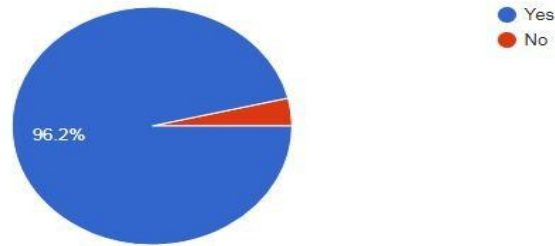


*M. Anwar*  
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4. Is the information about PO, CO and PSO is available through website and information brochure about the UG/PG program?

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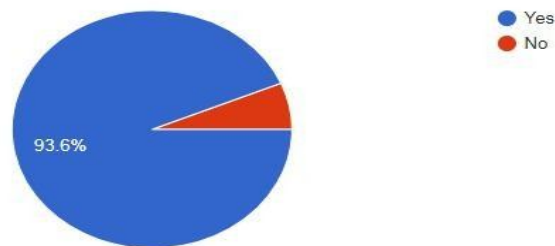
424 responses



5. Did you read the outcomes of the UG/PG programmes before taking admission?

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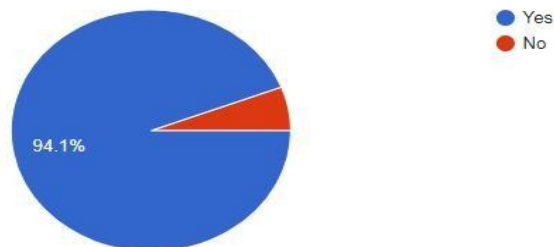
424 responses



6. Have you fulfilled what you have expected from the UG/PG program?

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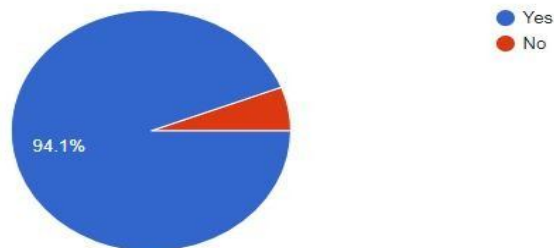
424 responses



7. Did the college provide sufficient opportunities to learn all the skills that you expected to meet global challenges?

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424 responses

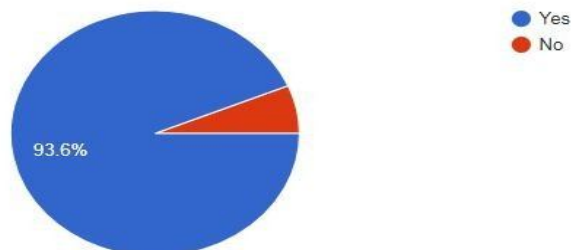


  
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8. Does the college has adequate equipments and sufficient facilities and are well maintained?

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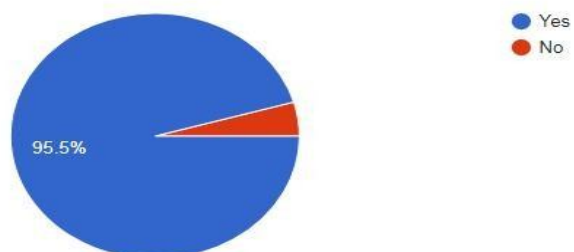
424 responses



9. The teachers give enough knowledge to develop skills.

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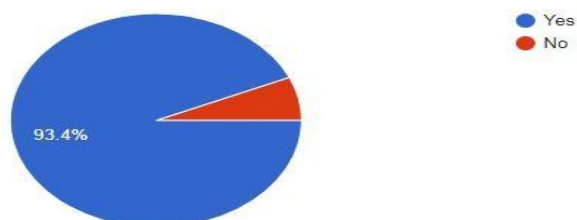
424 responses



10. Do you know the jobs you might be able to get after completing the UG/PG program?

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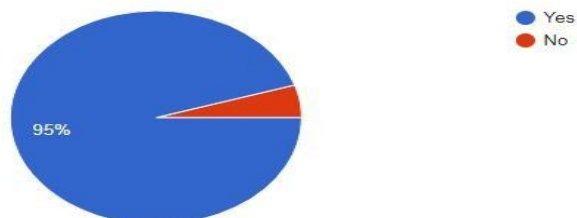
424 responses



11. Support services such as tutoring and counseling were enough and helped you to become successful in the graduation program.

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424 responses

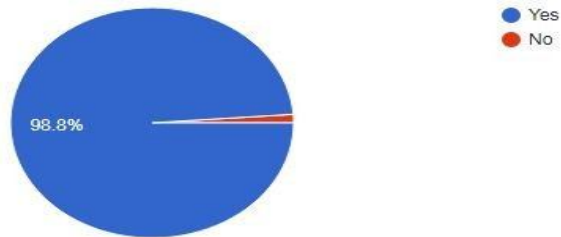


  
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12. Did you write for assignments, tutorials, activities in your UG/PG program?

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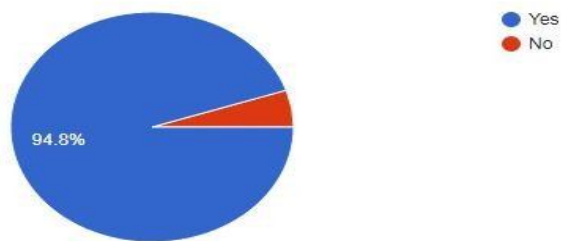
424 responses



13. Did your UG/PG program contain activities to increase information technology literacy?

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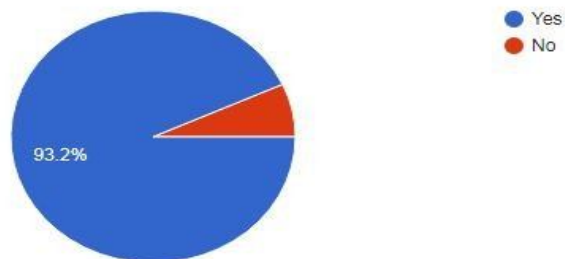
424 responses



14. Did your UG/PG program include modes of critical thinking?

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424 responses




15. Did your UG/PG program include project work?

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424 responses

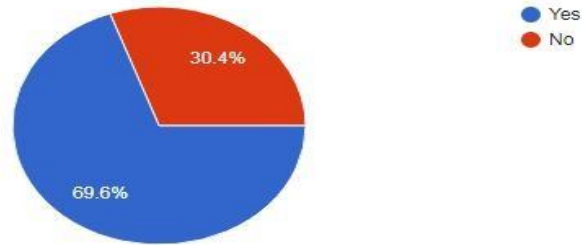


  
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16. Did you participate in community based projects or service learning activities (NSS, NCC)?

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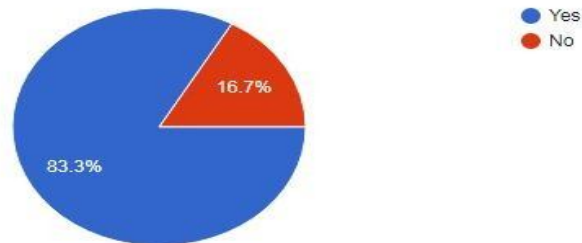
424 responses



17. Did your UG/PG program include internship programs and exposure to industry as a part of syllabus?

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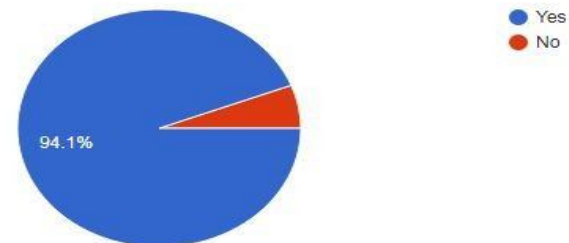
424 responses



18. Will you recommend this UG/PG programme to other students?

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424 responses




19. The college is successful in providing quality of learning experiences.

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424 responses



  
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