Nanded Education Society's

Science College, Nanded

Tel: 02462-250 465, 251 648

www.sciencecollegenanded.org

(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)

Annual Quality Assurance Report
2022-23

Criteria- 2

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 2022-2023

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.

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)	Remark	Passing Class
1.	Attainment Level 0	0-40%	Poor	Fail
2.	Attainment Level 1	40-50%	Low	III Class
3.	Attainment Level 2	50-60%	Moderate	II Class
4.	Attainment Level 3	60-74%	Good	I Class
5.	Attainment Level 4	75-100%	Excellent	Distinction

Program Outcome

Academic Year	Class	No. of students appeared	Distn	Ist Class	Total Passed	Percentage
2022-23	B.Sc. General	198	80	00	144	72.72
	B.Sc. Biotechnology	12	12	00	12	100
	M.Sc.Botany	30	7	10	18	60
	M.Sc. Mathematics	55	13	01	19	34.54
	M.Sc.Physics	32	04	00	16	50
	M.Sc. Chemistry	68	16	00	39	57.35
	M.Sc. Computer Science	28	12	03	18	64.28
	M.Sc.Zoology	35	16	01	20	57.14
	M.Sc. Herbal Medicine	05	05	00	05	100
	M.Sc. Biotechnology	30	11	04	19	63.33
	M.Sc. Applied Math.	03	02	01	03	100
	M.Sc. Microbiology	37	14	04	18	48.64

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

Sr. No.	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 Ist Class (%)	Pass in IInd Class (%)	Pass below Second Class (%)	L1 40-50%	L2 50-60%	L3 60-74%	L4 75-100%
1	B.Sc.General	198	144	72.72%	00	0	0	80	40.40%	0	0	0	0	0	0	L4
2	B.Sc. Biotechnology	12	12	100%	00	0	0	12	100%	0	0	0	0	0	0	L4
3	M.Sc.Botany	30	18	60%	10	2	0	7	23.33%	33.33%	0	0	0	0	L3	0
4	M.Sc. Mathematics	55	19	34.54%	01	0	0	13	23.63%	1.81%	0	0	0	L2	0	0
5	M.Sc.Physics	32	16	50%	00	0	0	04	12.5%	0	0	0	0	L2	L3	0
6	M.Sc. Chemistry	68	39	57.35%	00	0	0	16	23.52%	0	0	0	0	0	0	L4
7	M.Sc. Comp.Science	28	18	64.28%	03	0	0	12	42.85%	10.71%	0	0	0	0	L3	0
8	M.Sc. Zoology	35	20	57.14%	01	0	0	16	45.71%	2.85%	0	0	0	0	0	L4
9	M.Sc. Herbal Medicine	05	05	100%	00	0	0	05	100%	0	0	0	0	0	0	L4
10	M.Sc. Biotechnology	30	19	63.33%	04	0	0	11	36.66%	13.33%	0	0	0	0	L3	0
11	M.Sc. Applied Math.	03	03	100%	01	0	0	02	66.66%	33.33%	0	0	0	0	0	L4
12	M.Sc. Microbiology	37	18	48.64%	04	0	0	14	37.83%	10.81%	0	0	0	0	L3	0

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Report on
<u>Attainment of Learning Outcomes 2022-23</u>

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 2022-23, 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 these survey areas follow:

Survey/Feedback Type: Online

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

Direct Link URL:https://forms.gle/DAFiG2W4GkdKtU3L8

Total number of questions attempted:19

The following are the observations on attainment of learning outcomes:

1. The students expressed their satisfaction with the way the course's learning objectives were communicated and shown.
2. After completing the programme, the students reported that they had gained the desired competencies.
3. The students concluded that there were enough of opportunities at the college to pick up all the abilities they anticipated.
4. The students expressed their contentment with the professors' knowledge and the sufficient amount of facilities and equipment.
5. The students recommended that they need to get participation in Science Exhibition and Science Congress to present their projects and posters.
6. Students demanded digital lab for ICT practicals.

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Action taken

1. This year science exhibition has 147 student participants in this event.

2. This year also college purchased more numbers of demanded books in the library.

3. College has established new digital computer lab for students.

Co-ordinatorIQAC

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

Principal

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Science College, Nanded

Attainment Report 2022-23

Questions   Responses 246   Settings

246 responses

Link to Sheets

Accepting responses

Summary   Question   Individual

Who has responded?

Email

jyotikamble575@gmail.com

supriya250801@gmail.com

shubhbaste206@gmail.com

maidmayuri567@gmail.com

Attainment Report 2022-23

Questions   Responses 246   Settings

1. Name of the Student

246 responses

Niraj Rajeshwar Waghmare

Patil Pratiksha Gangadhar

Khushi Kakani

Bansode Rutuja Kamaji

Gaddapod Rohini Shankar

Pooja Ramesh lagdapod

Mahadevi Ramesh Darsewad

Bodkhe Prasad Prakashrao

Puppulwad Vaishnavi Balaji

Attainment Report 2022-23 ☐ ☆

Questions   Responses 246   Settings

2. Contact No.

246 responses

| 7378855968 |
| 9970220914 |
| 9689378754 |
| 8421510594 |
| 7057825519 |
| 7020503827 |
| 9960323928 |
| 8329896807 |
| 9834952886 |

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3. Final Year Subjects

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246 responses
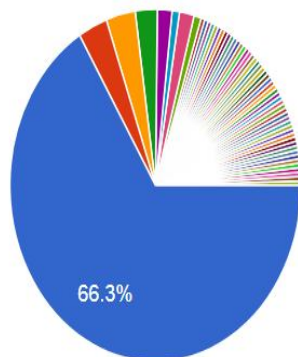
- 🔵 Option 1
- 🔴 Botany
- 🟠 Zoology
- 🟢 Chemistry
- 🟣 Computer science
- 🔵 Hindi English Zoology Botany Comput...
- 🔴 Bzcs
- 🟢 Organic chemistry

△ 1/8 ▽

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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?

246 responses

- ● Yes
- ● No

88.6%
11.4%
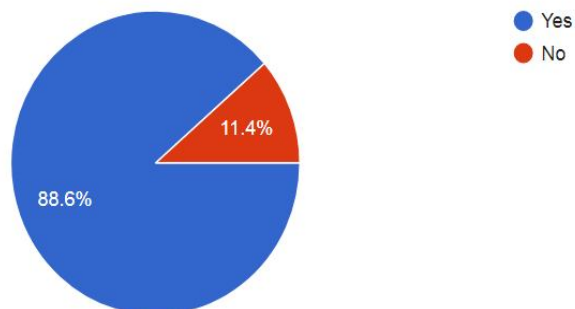
5. Did you read the outcomes of the UG/PG programmes before taking admission?

246 responses

- ● Yes
- ● No

88.2%
11.8%
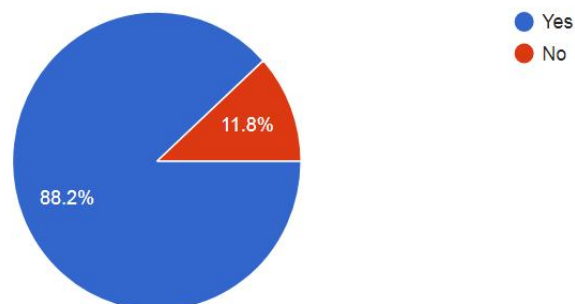
6. Have you fulfilled what you have expected from the UG/PG program?

246 responses

- ● Yes
- ● No

88.6%
11.4%
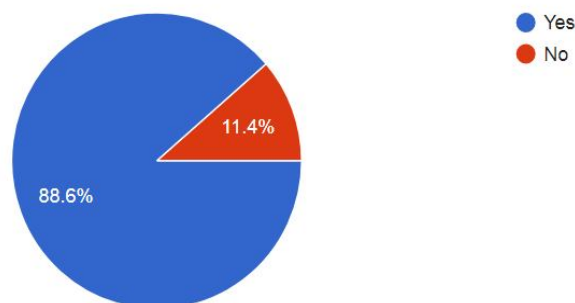
7. Did the college provide sufficient opportunities to learn all the skills that you expected to meet global challenges?

246 responses

- Yes
- No

9.8%

90.2%
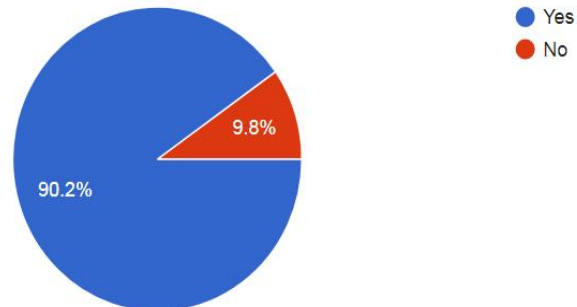
8. Does the college has adequate equipments and sufficient facilities and are well maintained?

246 responses

- Yes
- No

93.5%
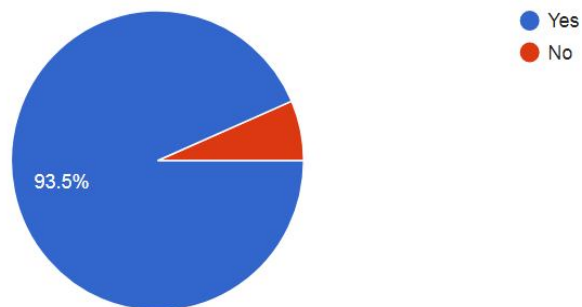
9. The teachers give enough knowledge to develop skills.

246 responses

- Yes
- No

95.5%
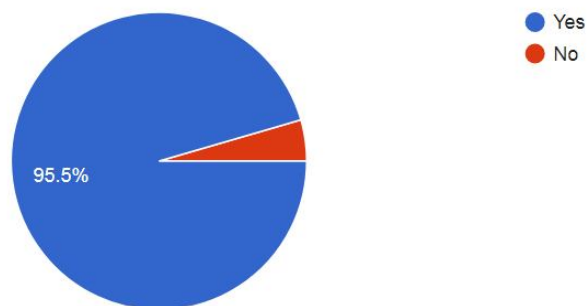
10. Do you know the jobs you might be able to get after completing the UG/PG program?

246 responses

- Yes
- No

12.6%

87.4%
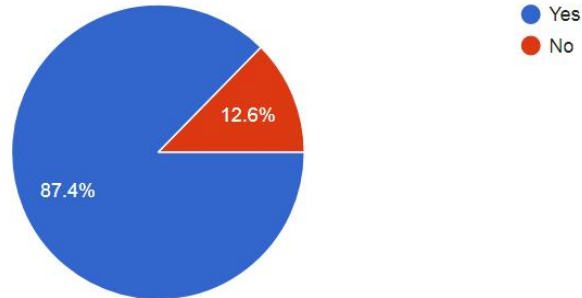
11. Support services such as tutoring and counseling were enough and helped you to become successful in the graduation program.

246 responses

- Yes
- No

9.3%

90.7%
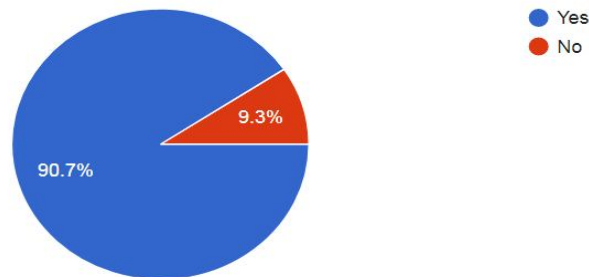
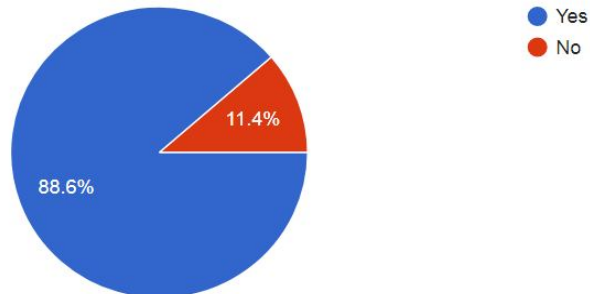12. Did you write for assignments, tutorials, activities in your UG/PG program?

246 responses

- Yes
- No

94.7%
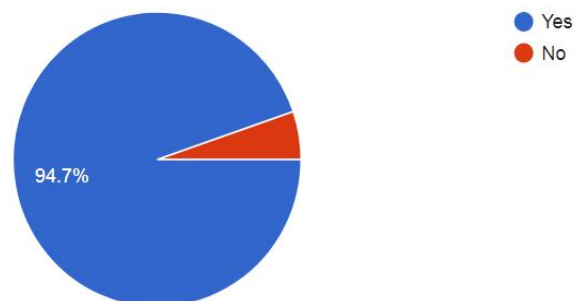
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13. Did your UG/PG program contain activities to increase information technology literacy?

246 responses

- Yes
- No

11.4%

88.6%

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

246 responses

- Yes
- No

20.3%

79.7%
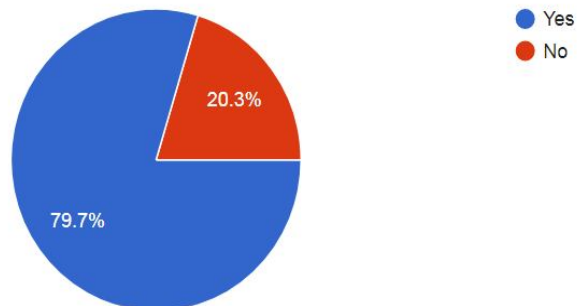
15. Did your UG/PG program include project work?

246 responses

- Yes
- No

93.1%

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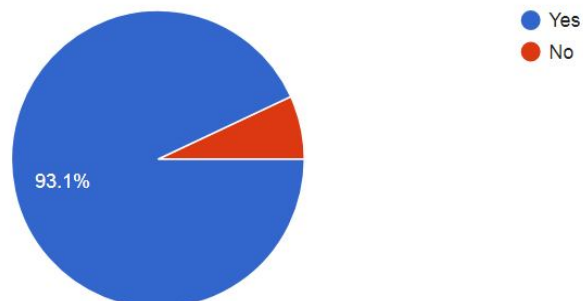
16. Did you participate in community based projects or service learning activities (NSS, NCC?)

246 responses

- Yes
- No

34.6%

65.4%
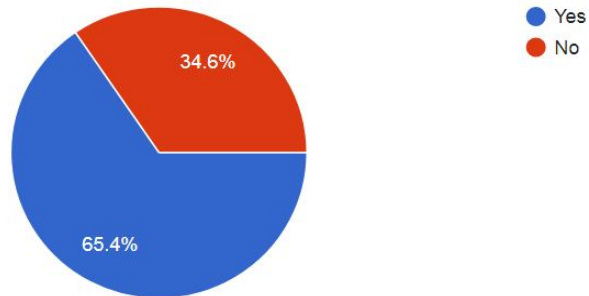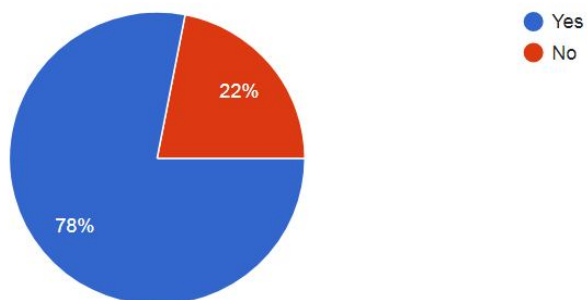
17. Did your UG/PG program include internship programs and exposure to industry as a part of syllabus?

246 responses

- Yes
- No

22%

78%

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

246 responses

- Yes
- No

9.8%

90.2%
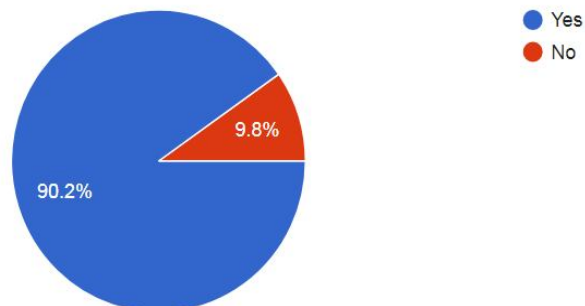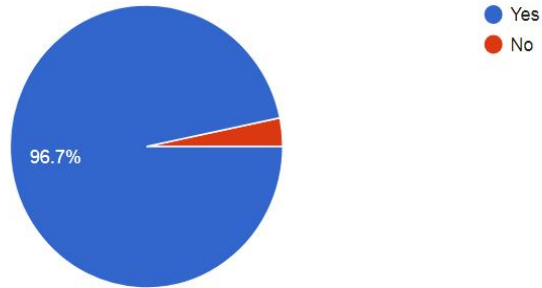
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19. The college is successful in providing quality of learning experiences.

246 responses

- Yes
- No

96.7%