

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

### **Program Outcome Attainment**

**2020-2021**

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

1. Course Outcomes (CO): Course Outcomes (COs) are what the student should be able to do at the end of a course. The most important aspect of a CO is that it should be observable and measurable.
2. Program Outcomes (PO): Program outcomes are statements that describe what the knowledge, skills and attitudes students should have at the time of graduation from a Science program.
3. Program Specific Outcomes (PSO): PSOs are outcomes that are specific to a program. PSOs characterize the specificity of the core courses of a program.

**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.

### 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

Sr. No.	Program Name	Number of Students appeared in the final year examination	Number of students passed in the final year examination	Percentage of Result	Attainment Level
1	B.Sc. General	287	287	100	4
2	B.Sc. Biotechnology	11	11	100	4
3	M.Sc. Botany	33	33	100	4
4	M.Sc. Mathematics	94	94	100	4
5	M.Sc. Physics	43	43	100	4
6	M.Sc. Chemistry	80	80	100	4
7	M.Sc. Comp. Science	10	10	100	4
8	M.Sc. Zoology	24	24	100	4
9	M.Sc. Herbal Medicine	02	02	100	4
10	M.Sc. Biotechnology	24	24	100	4
11	M.Sc. Applied Math.	07	07	100	4
12	M.Sc. Microbiology	18	18	100	4

### 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	287	287	100	0	0	0	287	100%							4
2	B.Sc. Biotechnology	11	11	100	0	0	0	11	100%							4
3	M.Sc. Botany	33	33	100	0	0	0	33	100%							4
4	M.Sc. Mathematics	94	94	100	0	0	0	94	100%							4
5	M.Sc. Physics	43	43	100	0	0	0	43	100%							4
6	M.Sc. Chemistry	80	80	100	0	0	0	80	100%							4
7	M.Sc. Comp. Science	10	10	100	0	0	0	10	100%							4
8	M.Sc. Zoology	24	24	100	0	0	0	24	100%							4
9	M.Sc. Herbal Medicine	02	02	100	0	0	0	02	100%							4
10	M.Sc. Biotechnology	24	24	100	0	0	0	24	100%							4
11	M.Sc. Applied Math.	07	07	100	0	0	0	07	100%							4
12	M.Sc. Microbiology	18	18	100	0	0	0	18	100%							4

## **Report on**

### Attainment of Learning Outcomes 2020-21

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 2020-21, 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/hV9ghDm5h9HhoCK79>


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 use of online Learning Applications.

### Action taken

1. The teachers have enhanced the use of digital technologies for teaching learning.
2. The administration of college has upgraded the Wi-Fi and internet facility to enhance the use of ICT techniques in teaching-learning.
3. The college has upgraded the IT infrastructure.

  
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 2020-2021

152 responses

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### 1. Name of Student

152 responses

Tanzeela Naaz Abdul Qayyum

Kale Bhagyashree Ratan

Rohini Maroti Hente

Pravin Bhaskar Waghmare

Dudhamal kanchan dharoji

Rudra Ravindra Ragate

Dinesh Balaji chavan

Harshada wawdhane

Hussain Rizwan Iftekhar

### 2. Contact Number

152 responses

9511629817

7709805954

9370426103

9011057003

8623899429

9322538736

7798918821

9028358263

8390808050

### 3. Final Year Subjects

152 responses

Mathematics

Mathematics

Organic chemistry

PCM

Computer science

Analytical chemistry

CBZ

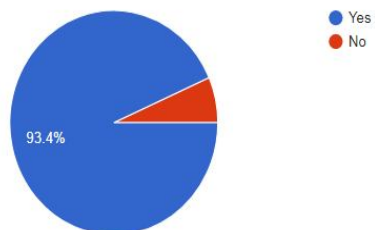
Physics Chemistry Mathematics

Msc Computer Science

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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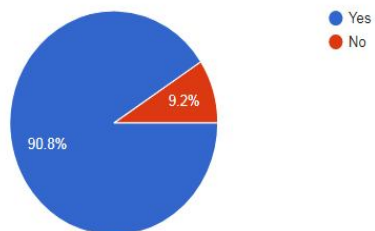
152 responses



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

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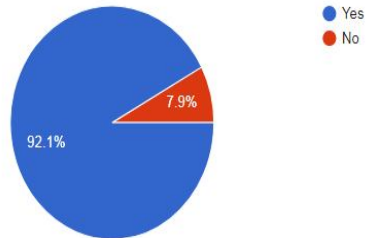
152 responses



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

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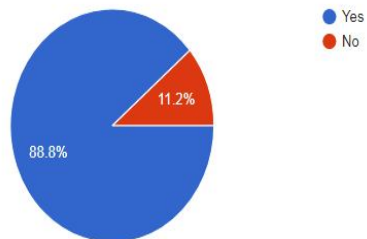
152 responses



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

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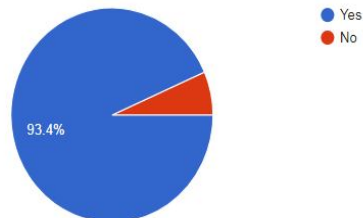
152 responses



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

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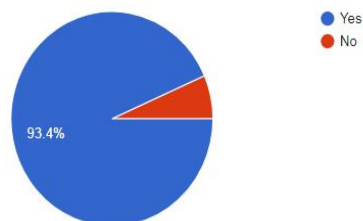
152 responses



9. The teachers give enough knowledge to develop skills.

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152 responses

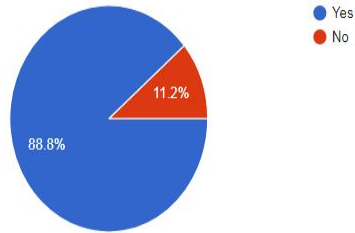




10. Do you know the jobs you might be able to get after completing the UG/PG program?

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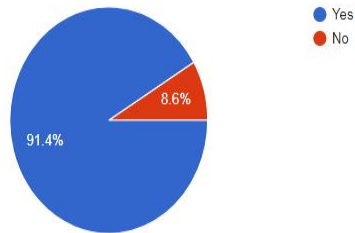
152 responses



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

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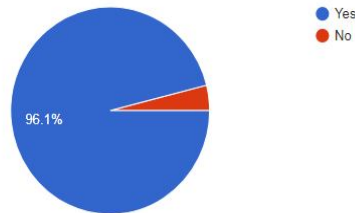
152 responses



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

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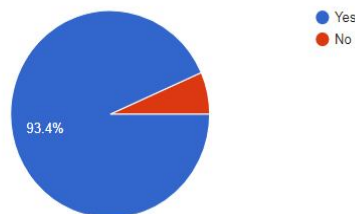
152 responses



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

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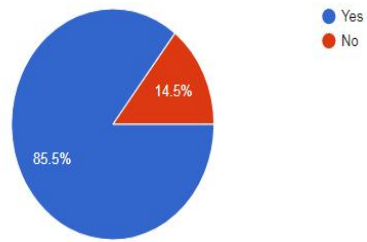
152 responses



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

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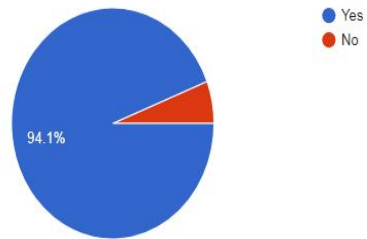
152 responses



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

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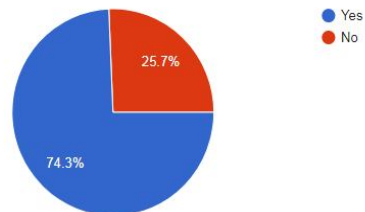
152 responses



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

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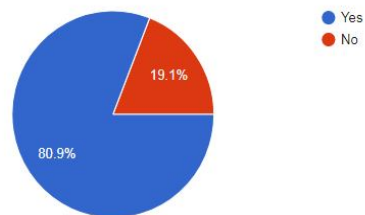
152 responses



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

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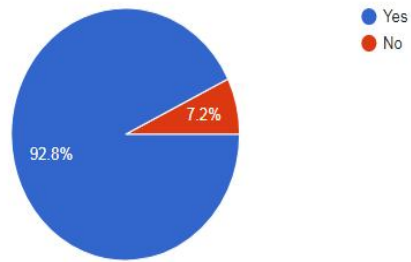
152 responses



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

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152 responses



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

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152 responses

