

S. S. E. S. Amt's Science College, Nagpur

AQAR 2017-18

Program and Course outcomes

Program Outcomes:

The students should gain the knowledge in their subjects of pure science such as Physics, Chemistry, Botany, Zoology, Mathematics, etc.

Understood the basic concepts, fundamental principles, and the scientific theories related to various scientific phenomena and their relevancies in the day-to-day life

The two students of this college secured merit position in the university examination and also one student awarded with a silver medal

UG

Sr.No	Name	Merit position
1 st	Ankita Sanjay Chandak	05

PG

Sr.No	Name	Subject	Merit position
1 st	Sampurna Tapas Nandy	Microbiology	01
2	Mamta Pyarelal Marar	Microbiology	02
3	Namrata C Bajirao	Microbiology	04
4	Madhavi Ashok Girde	Computer Science	04

Medals/Awards/Prizes

1. Prof Hatawane Gold Medal

- Sampurna Tapas Nandy – Securing highest CGPA in [M.Sc (Micro)]

2. Principal Dr C B Powar Prize

- Sampurna Tapas Nandy – Securing highest CGPA in sem IV [M.Sc (Micro)]

3. Soumendra Mohan Roy Prize

- Neha Atulrao Patne - Securing highest marks in Mathematics

Placements

Our students are recruited in the various companies in the placement camp organized by college and also off campus.

Company	Place of interview	Date	Students appeared	Students selected	%
Infosys	Raisoni Group of Institutions	12 th July 2017	4	2	50
Capgemini	Raisoni Group of Institutions	2 nd Jan 2018	4	1	25
IBM Concentrix	Raisoni Group of Institutions	14 th Jan 2018	8	8	100

ZBM concentrix	Raisoni Group of Institutions	16 th Mar 2015	2	0	0
L&T Infotech	Raisoni Group of Institutions	13 th Oct 2018	4	1	25
Infosys	Raisoni Group of Institutions	12 th July 2017	4	2	50
Capgemini	Raisoni Group of Institutions	2 nd Jan 2018	4	1	25

Total 15

Course outcomes

1. Department of Microbiology and Biotechnology

U.G.

- Work as a Laboratory Technician
- Quality Control analyst of Pharmaceutical Industries, Food Industries.
- Clinical Research Analyst
- In Biomedical Engineering.

P.G.

- Research Scientist
- In Vaccine Institutes
- Project Assistant as JRF and SRF
- Research sector in Forensic Sciences and Genetic Engineering.
- Lectureship in Life Sciences and Agricultural Sciences.
- Research Analyst in Scientific Journals (Springer, Nature, Science Direct Based Journals)
- Pollution Control Department
- In Biofertilizers and Biopesticides Preparation Industries
- In Environment Based Industries
- Intellectual Property Rights
- Computational Biology (Bioinformatics)

2. Department of Computer Science

Undergraduate

- Work as Software developer.
- Work as a System Administrators.
- Work as IT Sales and Marketing person.
- Work as the IT Officers in Banks and cooperative societies.
- Work as DTP Operator in small-scale industries.
- Work as the Web Designers with latest web development technologies.

Bachelors of Computer Applications (BCA)

- Developing the various IT skills to the electronic databases.
- Solve the problems in the Information Technology environment
- Develop IT-oriented security issues and protocols
- Design and implement a web page

M.Sc. (Computer science) and M.C.A.

- Programmer
- Web Designer
- System Administration
- Logic Designer

3. Department of Botany

- Understand the morphological and structural organization of lower and higher Cryptogams and its ethnobotanical importance in concern with human life.
- Awareness about eco-friendly activities.
- Self-employment in the fields of mushroom Cultivation, organic farming (Roof top farming), plant tissue culture etc.

4. Department of Chemistry

- Students aware about minimum utilization of chemicals for maintaining the environment eco-friendly.
- Use of modern instrumentations such as HPLC, Spectrophotometer acquaint the student about qualitative and quantitative analysis
- Employment potential for M.Sc. Students in chemical/pharmacy companies.
- Motivate the student to pursue research in the basic sciences in the college.
- Understand the interdisciplinary approach of chemistry
- Learn the laboratory skills needed to design, safely and interpret chemical research.
- Acquired a foundation of chemistry

5. Department of Mathematics

After the completion of Mathematics as a one of the subjects the students are able to:

- Learn to solve problems of integrals and differential calculus
- Make use of linear equations for solving any differential equations
- Understand various problems related with planar graphs.
- Understand the Concepts of Matrices and linear equations.
- Learn properties and applications of Laplace transformation

6. Department of Physics

At the completion of Physics as a one of the subject students are able to:

- Understand the theories & principles of physics, which includes mechanics, electromagnetism, thermodynamics, & quantum mechanics.
- Learn the Concepts as Quantum Mechanics, Relativity etc.
- Provide knowledge about material properties and its application for developing technology to ease the problems related to the society.
- Understand the physical laws, describing the motion of bodies, under the influence of system of forces.
- Understand the relationship between particles & atom,
- Relate the structure of atoms & subatomic particles
- Understand physical properties of molecule the chemical bonds
- Analyze the applications of mathematics to the problems in physics & develop suitable

- Learn the structure of solid materials & their different physical properties along with metallurgy, cryogenics, electronics, & material science.
- Understand the fundamental theory of nature at small scale & levels of atom & sub-atomic particles.

7. Department of Zoology

- Acquire knowledge about wild life and its conservation.
- Knows about identification of wild animals and its classification
- Gain basic knowledge about human pathology and physiology.
- Gain knowledge about biomedical instrumentation and its working.
- Basic concept of genetics, and biotechnology.
- Know about fish culture, prawn culture and pearl culture.
- Acquire knowledge about mineral and water cycling in nature and water conservation.

8. Department of Statistics

- Eligible to appear for Indian Statistical Services (UPSC)
- After completion of M.Sc eligible for Statistical quality control officer
- Statistical officer in various industries
- As a statistical consultant, Data analyst etc
- Gain knowledge about Operational Research

9. Department of Electronics

Realize their goals and aspirations

- Possess essential attitudes, knowledge and skills
- Contribute positively to and compete in society
- Exercise citizenship rights and responsibilities
- Master subjects without need for remediation
further their education and pursue careers around the world.

10. Department of Geology

Pursue the following courses to make career as a Geologist

- M.Sc in Applied Geology
- M.Sc (Tech) in Geology
- ISM Dhabad
- In Land Pollution