

## Department of Science

### About the Department:

The department of science is a one the recently established departments with all the facilities and infrastructure to cater the need of students aspiring to study and build their career in science. It was established in 2021 with B. Sc. (Chemistry, Botony, Zoology, Physics & Mathematics and Computer Science) as a main course. The Department has been recognizes to inculcate the scientific values among the learners with reflective teaching learning process. The Oxford Learners Dictionary defines Science as “knowledge about the structure and behavior of the natural and physical world, based on facts that you can prove, for example by experiments.” Over time Science has evolved into multiple streams and sub-streams and yet the basic premise of all scientific studies remains the same experiment and empirical evidence.

Today education in Science is a basic requirement for most jobs and professions and the knowledge of STEM (Science, Technology, Engineering, and Mathematics) hasn't been so important ever before. A good science college must not only give a strong theoretical base to its students but should also equally encourage experimentation and practical application of the learnings. With this intention, Dr Madhukarrao Wasnik PWS Arts and Commerce & Science College, Nagpur has opened its science department which is now one of the B.Sc colleges in Nagpur.

### Motto

**“To develop scientific approach to life and enhance science process skills, abilities and technology in the process of nation building.”**

### Programmes Offered

#### Bachelor of Science (B.Sc.)

**Eligibility Criteria:** 12th pass (or equivalent) from any recognized education board in India with Physics, Biology, Chemistry and Math stream

**Duration:** 3 years

### **Key Subjects covered in the Department of Science:**

- Mathematics
- Physics
- Chemistry
- Zoology
- Botany
- Computer Science
- Languages

### **Key Differentiators:**

- Dedicated full-time faculty with years of experience and practical knowledge
- Full functional laboratories with state of the art instruments and facility
- Guest lectures by eminent personalities.
- Workshops with Collaborative colleges

### **Facilities in the Department:**

- Practical Laboratory
- Science Classroom
- Science Club
- Botanical Garden/Pond in Campus
- Fully Wi-Fi campus
- Smart Classroom
- Seminar presentations
- Extra-curricular activities

## **RTM Nagpur University Syllabi:**

B.Sc Zoology

<http://sscpauni.com/images/syllabus/Zoology.pdf>

B.Sc Botany

<http://sscpauni.com/images/syllabus/Botany.pdf>

B.Sc Chemistry

<http://sscpauni.com/images/syllabus/Chemistry.pdf>

B.Sc Physics

[https://www.nagpuruniversity.ac.in/links/Syllabus/UG/Faculty\\_of\\_Science/Syllabus for B.Sc Physics Semester Pattern2013.pdf](https://www.nagpuruniversity.ac.in/links/Syllabus/UG/Faculty_of_Science/Syllabus_for_B.Sc_Physics_Semester_Pattern2013.pdf)

B.Sc Mathematics

<https://nagpuruniversity.ac.in/writereaddata/fckimagefile/Revised%20Syllabus%20of%20BSc%20Mathematics%202021-22%20onwards.pdf>

B.Sc Computer Science

[https://www.nagpuruniversity.ac.in/links/Syllabus/UG/Faculty\\_of\\_Science/Syllabus of B.Sc Computer Science Semester Pattern2013.pdf](https://www.nagpuruniversity.ac.in/links/Syllabus/UG/Faculty_of_Science/Syllabus_of_B.Sc_Computer_Science_Semester_Pattern2013.pdf)

## Faculties in the Department



**Ms. Aasiya Syed Nasir**  
M.Sc -Zoology, M.Ed  
(CHB Asst. Professor, Zoology)



**Ms. Ruchika Wasnik**  
M.Sc Botany, B.Ed  
(CHB Asst. Professor, Botony)



**Ms. Ashwini Pardhi**  
M.Sc - Chemistry, B.Ed  
(CHB Asst. Professor, Chemistry)



**Mr. Resham Jambhulkar**  
M.Sc - Physics  
(CHB Asst. Professor, Physics)



**Ms. Shivani Meshram**  
M.Sc – Mathematics  
( CHB Asst. Professor, Mathematics)



**Ms. Shrushti Thakur**  
BE- Computer Science  
( CHB Asst. Professor, Cs)

**Activities:**



