



Shiksha Mandal's

Bajaj College of Science, Wardha (Autonomous)



Internal Quality Assurance Cell

Institution Distinctiveness (2023-24)

Title of the practice: Facilitating Young Minds for Science Education

The Bajaj Science Education Center is a pioneering institution dedicated to fostering scientific temperament among school students. It serves as a hub for innovative learning, hands-on experimentation, and exposure to modern scientific advancements. Equipped with state-of-the-art facilities, the center plays a vital role in bridging the gap between theoretical knowledge and practical application. Its programs aim to inspire young minds, enabling them to explore, experiment, and excel in the field of science.

The teachers of Bajaj College of Science are actively involved in the activities of the Bajaj Science Education Center, where they work diligently to promote science education across the Wardha district. In addition to their regular teaching responsibilities, they conduct lectures, workshops, and interactive sessions at the center. Their efforts extend beyond the classroom as they visit Zilla Parishad (ZP) schools to engage with students and deliver specialized lectures, fostering scientific curiosity and practical learning.

During the 2023-24 academic session, the center's programs directly involved 647 students from 50 different English medium and ZP schools in the district. Furthermore, over 500 additional students from across Wardha had the opportunity to participate in exposure camps, workshops, science exhibitions, and science shows organized by the center.

The academic activities were further enriched by inviting experts from esteemed institutions as well as teachers from Bajaj College of Science to deliver lectures and lead workshops for students. Alongside traditional in-person lectures and hands-on practical sessions, the center adopted virtual laboratories and simulation-based learning, offering an innovative and comprehensive approach to science education.

Throughout the year, various science-focused events were organized, including night sky gazing sessions for students and their families. A significant highlight was one of our students being selected for a Summer Camp organized by ISRO. Teachers from Shiksha Mandal Colleges, including Bajaj College of Science, contributed significantly by mentoring students for competitive exams and guiding them to participate in national-level competitions like NMTC, VVM, HBBVS, PRMO, and IJSO.

In collaboration with JBST, the center supported 14 Zilla Parishad schools through regular school visits, residential camps, hands-on activities, and teacher training programs. Additionally, the center designed and distributed a detailed list of practical experiments and scientific instruments to schools across the district. This initiative provided students with essential tools and resources, fostering a hands-on learning environment and enhancing the science curriculum in these schools.

The second edition of our annual magazine, *The Budding Thinkers*, was published this year. It featured an impressive collection of articles, poems, and artwork contributed by students, teachers, and mentors, reflecting their creativity and passion for science.

On the center's Foundation Day, we celebrated the achievements of our students by awarding prizes and gifts, recognizing their dedication and success.

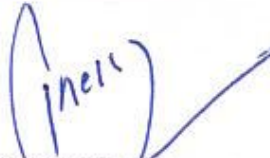
For the 2024-25 academic session, an entrance examination was conducted where 2,090 students from 58 schools, including ZP schools, participated in the exam. Among these, 696 students successfully secured admission to the center, setting the stage for another year of impactful scientific engagement and learning.

Some Photographs of Teachers of Bajaj College of Science taking activities of students of Bajaj Science Education Center




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