

Outreach Programs

2019-20

REPORT ON OUTREACH PROGRAM

Department of Genetics and Biotechnology of Bhavan's Vivekananda College of Science, Humanities and Commerce, Sainikpuri conducted an outreach program on 7th December 2019 for grade ten students of Zilla Parishad High School, Kapra.

The objective of the program was to provide the students with knowledge pertaining to Life Sciences, through means of practicals, which would in turn persuade the students into taking up Life Sciences as a career. Final year B. Sc students from BtGC and MGC sem VI participated in the program. Faculty Dr. B Kalpana and Dr. S. Nagamanju (Department of Genetics and Biotechnology) guided the students of B. Sc for smooth conduction of the program. The ZPHS management and staff welcomed the Bhavan's Faculty and students. They gave the school auditorium for conducting the outreach program. Students performed a total of 5 experiments and explained the basic principles about the experiments to the students of ZPHS. The experiments conducted are

1. Mitosis
2. ABO and Rh blood typing
3. Separation of chloroplast pigments by paper chromatography,
4. Demonstration of Osmosis by Potato Osmoscopy
5. Observation of Permanent slides.

To explain the concepts of practicals the students made use of charts prepared by them at college itself a week prior to the outreach program. Students made all the necessary preparations a day prior to the outreach program like solvents, solutions and buffers. On the day of the event they freshly made the leaf extracts and root tips. Students under the guidance of the faculty a practical manual for all the experiments conducted with the principle and procedure along chemicals information was compiled and spiral bound and handed over to the school management for the benefit of the school students.

Students were divided into groups of six and were demonstrated the experiments by Bhavan's college students. School students showed great enthusiasm in knowing the basic science experiments and noted down the information given to them. Many grade ten students even drew diagrams of the permanent slides they have seen.

At the end of the session the school management felt very thankful to the management of the Bhavan's college for conducting such valuable outreach program for their students. Final year students of Bhavan's also thanked the department of Genetics and Biotechnology for giving them an opportunity to be part of the program and share their knowledge with the enthusiastic school students and motivate them towards Life sciences.





