SENGAMALA THAYAAR EDUCATIONAL TRUST WOMEN'S COLLEGE
(AUTONOMOUS)
(Affiliated to Bharathidasan University, Tiruchirappalli)
(Accredited by NAAC)
SUNDARAKKOTTAI- 614016, MANNARGUDI,

PG AND RESEARCH DEPARTMENT OF MICROBIOLOGY

REPORT ON BLOOD GROUP TESTING PROGRAMME FOR FIRST YEAR UNDERGRADUATE STUDENTS

Date: 07.06.2026 **Venue: Microbiology Laboratory**

The **PG and Research Department of Microbiology**, Sengamala Thayaar Educational Trust Women's College (Autonomous), Mannargudi, successfully organized a **Blood Group Testing Programme** for all first-year undergraduate students on **07 July 2026**. The programme was conducted as a community health initiative with the objective of creating awareness about the importance of knowing one's blood group and maintaining personal health records.

Blood grouping is one of the fundamental laboratory investigations that plays a vital role during medical emergencies, blood transfusions, surgeries, organ transplantation, and disaster management. With this objective, the department planned and executed the programme to ensure that every first-year student became aware of their blood group.

Prior to the programme, an official circular was circulated to all Heads of the Departments requesting them to send the students according to the scheduled timings. Class in-charges were instructed to obtain parental consent and bring a consolidated list of students for smooth documentation. The laboratory was well-equipped with all necessary reagents, antisera (Anti-A, Anti-B and Anti-D), sterile lancets, glass slides, cotton swabs, alcohol, disposable gloves, and biohazard waste disposal materials. Faculty members, research scholars, and postgraduate students of the Department of Microbiology actively participated in organizing and conducting the testing process.

The programme commenced with proper registration of students, followed by verification of their details. Standard laboratory safety protocols and aseptic techniques were strictly followed throughout the procedure. Finger-prick blood samples were collected from each student using sterile disposable lancets. The blood samples were tested using the slide agglutination method with standard antisera to determine the ABO and Rh blood groups. Every test result was carefully observed, verified, and immediately recorded in the departmental register. Students were informed about their blood groups and educated on the significance of blood donation, blood compatibility, and emergency preparedness.

The programme covered students from **16 undergraduate departments** including English, BBA, B.Com, B.Com CA, Biochemistry, Mathematics, Microbiology, Computer Science, Computer Applications, Physics, Chemistry, Artificial Intelligence, Data Science, Nutrition and Dietetics, and Fashion Technology. A total of **554 first-year undergraduate students** were enrolled for testing, of which **53 students were absent**. Blood grouping was successfully completed for the remaining students, and the overall distribution of blood groups was recorded as follows:

- A^+ : 102 students
- A^- : 7 students
- B^+ : 154 students
- B^- : 14 students
- AB^+ : 27 students
- AB^- : 5 students
- O^+ : 166 students
- O^- : 27 students

The analysis revealed that **O-positive** was the most frequently occurring blood group among the students, followed by **B-positive** and **A-positive**, whereas the negative blood groups were comparatively less common. The compiled data were documented department-wise for future institutional reference and student records.

The programme was successfully completed with the enthusiastic participation and cooperation of all Heads of the Departments, faculty members, class in-charges, postgraduate students, research scholars, and undergraduate students. The event not only provided accurate blood group identification for the students but also enhanced their awareness regarding blood donation, emergency healthcare, and the importance of maintaining personal medical information.

The PG and Research Department of Microbiology extends its sincere gratitude to the Management, the Principal, Heads of the Departments, faculty members, laboratory staff, student volunteers, and all participants for their valuable support and cooperation in making the Blood Group Testing Programme a grand success.




AND RESEARCH DEPARTME
EXTENSION A




EXTENSION ACTIVITY

