

REPORT

BISHOP MOORE COLLEGE, MAVELIKARA

Department of Mathematics

Pre-UG Foundation course in Mathematics

On behalf of Department of Mathematics, Bishop Moore College, Mavelikara, a one-week induction programme in Mathematics for students (preferably students who completed their plus-two examination) was conducted from 18th July 2022 to 22nd July 2022. Co-ordinator of the programme was Mr. Yogesh Prasad, Assistant Professor of Department of Mathematics, Bishop Moore College. Nearly 30 students actively participated in the programme. The main motive of this programme was to create a platform for young students to understand the fundamentals of Mathematics which can make them productive in their future endeavours.

The inaugural ceremony was conducted on 18th July 2022. Dr.Ranjith Mathew Abraham Sir, Vice Principal of Bishop Moore College presided the meeting. The gathering was invited with warm welcome address delivered by Prof. Simili Abraham, HOD of Department of Mathematics (convenor of the programme). Each day the programme had two sessions (morning & evening).

❖ 18/07/2022,Monday

- The morning session was carried out by the most respected **Dr.Ambat Vijayakumar Sir, Emeritus Professor of Department of Mathematics in Cochin University of Science and Technology** on the topic “Some Mathematical Excitements and Applications”.
- The class was very informative and productive.
- Discussed about various competitive exams.
- The evening session was led by **Mr.Jils Varghese ,Assistant Professor of Department of Physical Education ,Bishop Moore College** on “Discovering The Champion in You”

- It was a very fun and interactive session.
- Made aware of the topic through games.
- All students actively participated with enthusiasm.

❖ 19/07/2022, Tuesday

- The morning session was guided by **Dr.E Krishnan Sir, Former Head of Department of Mathematics, University College, Tiruvananthapuram** on “Sequences and Series”.
- He was a very interactive presenter.
- Was able to get into the topic.
- Made us aware about various proofs and their origin.
- The evening session was instructed by **Ms.Anjili Susan Ninan Ma’am, Assistant Professor of Department of Mathematics, Bishop Moore College** on “Visualising Functions”.
- Discussed on various types of graphs and their functions.
- Pointed out the easiest way of mapping a graph.

❖ 20/07/2022, Wednesday

- The morning session was monitored by **Dr. Preenu C S Sir, Assistant Professor of Department of Mathematics, Thiruvananthapuram** on “Limits – The Fundamental Concepts of Calculus.”
- It was a fun and interactive class.
- Concept about limits was discussed in an easy way.
- Familiarized us with different graphs through limit.
- Quoted the importance of “*LEARN UNLEARN AND RELEARN*”
- The evening session was oriented by **Dr.Anup Nair Sir, Assistant Professor of Department of English, Bishop Moore College** on “Fine – Tuning your Body Language”
- Mainly discussed about the importance of Communication.

- Demonstrated the notion of communication by the involvement of students.
- It was a lively and beneficial class.

❖ 21/07/2022, Thursday

- The morning session was carried out by **Dr. Aparna Lakshmanan, Assistant Professor, CUSAT**, on “What is Derivatives”.
- The class was very relaxing and enjoyable.
- The presenter was easy to listen to, informative and inspirational with a relaxed and powerful style.
- Made aware of the vastness of the subject “Mathematics”
- The evening session was led by **Mr Yogesh Prasad, Assistant Professor of Department of Mathematics, Bishop Moore College** about “Some applications of Derivatives”.
- Discussed mainly about continuity, Rolle’s Theorem tangent etc.
- Concepts were taught by solving problems.

❖ 22/07/2022, Friday

- The morning lecture was guided by **Dr. Binu R, Assistant Professor of Department of Mathematics, RSET, Cochin** on “The Riemann Sum- The concept of integration.”
- Focused on method of integration.
- Discussed about various functions and solving them through integration.

❖ Valedictory Function

- The one week induction program was wrapped up on 22nd July 2022.
- Dr. Jacob Chandy Sir, Principal of Bishop Moore College graced the occasion by his warm words.
- Certificates were issued to the participants.

