



Name of the Course: MATHEMATICS IN DAILY LIFE

Duration: 30 Hours

Offered by: Ramakrishna Sarada Mission Vivekananda Vidyabhavan (Approved by West Bengal State University)

Eligibility: 10 + 2 Passed & RKSMVV Students

Course Fees: Rs. 200/-

Intake Capacity: 30

Course Overview: Mathematics is deeply embedded in many aspects of daily life, often in ways we may not immediately recognize. Different kind of our utilitarian needs in regular lives are actually dictated by mathematics. Learning application of mathematics will enhance regulating daily challenges of life smoothly.

Course Objectives:

The course is designed to help students understand and apply mathematical concepts in practical, real-world situations. This type of course typically focuses on demonstrating how mathematics can solve everyday problems and make tasks easier.

Syllabus in modules:

| Mathematics In Daily Life. | | |
|-----------------------------------|------------------------|-----------------------|
| Module | Content | Duration(Hrs.) |
| 1 | Height and Distance | 2 |
| 2 | Simple Interest | 1 |
| 3 | Compound Interest | 1 |
| 4 | Calender Problem | 2 |
| 5 | Profit and Loss | 1 |
| 6 | Time,Distance,Speed | 1.5 |
| 7 | Clock Problem | 1.5 |
| 8 | Concept on GST | 1.5 |
| 9 | Ramanujan Magic Square | 1 |
| 10 | Concept on Banking | 2 |
| 11 | Stock and Share | 1 |
| 12 | Doubt clearing session | 1 |
| 13 | Film show | 3 |
| 14 | Assignment | 8.5 |
| Final assessment | | 2 |
| Total Duration | | 30 |

Resource Persons:

Pravrajika Bhumatmaprana, Monastic faculty, Dept of Mathematics, RKSMVV

Sm. Sushobhana Pal, SACT, Dept. of Mathematics, RKSMVV

Learning Outcomes:

- Knowledge of mathematics is highly useful in managing finances, such as - calculating expenses, savings, and investments. All of these help to manage personal finances and stay within a budget.
- Understanding interest rates on savings accounts, loans, and mortgages is essential for financial planning.

- The course will help the students to analyze data, create reports, and make business decisions which are often required in statistical analysis and interpretation.
- Planning and scheduling projects

Assessment Procedure:

Three Formative Assessments' scores are provided as percentages. The Total Grade is determined based on the overall performance across all assessments. The Continuous Assessment column provides a general evaluation of the students' participation, engagement and adherence to deadlines throughout the course.

Grading criteria along with the corresponding percentage ranges:

A: 90%-100%

B: 80%-89%

C: 70%-79%

D: 60% - 69%

F : Below 60%