

## **Skill Course: -Vedic maths**

### **Syllabus**

#### **Total Hours-30**

##### **Module 1: Introduction to Vedic Mathematics (05 Hrs)**

- **History and Origin:** Exploration of the ancient roots of Vedic Mathematics.
- **Sutras Overview:** Introduction to the main sutras and sub-sutras used in Vedic Mathematics.

##### **Module 2: Basic Arithmetic Operations (05 Hrs)**

- **Addition and Subtraction:** Techniques to perform rapid addition and subtraction.
- **Multiplication:** Basic methods and shortcuts for multiplication.
- **Division:** Simple and advanced division techniques.

##### **Module 3: Digit Sums and Casting Out Nines (05 Hrs)**

- **Digit Sums:** Concept and calculation of digit sums.
- **Casting Out Nines:** Methods for verifying the accuracy of arithmetic operations.

##### **Module 4: Multiplication Techniques (05 Hrs)**

- **Vertically and Crosswise:** Detailed explanation and practice.
- **Multiplying Close to Bases:** Techniques for numbers close to base values like 10, 100.

##### **Module 5: Division Techniques (05 Hrs)**

- **Nikhilam Sutra:** Understanding and application of this fundamental sutra.
- **Paravartya Yojayet:** Division using transpose and application method.

##### **Module 6: Squaring and Cubing (05 Hrs)**

- **Squaring Numbers:** Quick methods for squaring.
- **Cubing Numbers:** Efficient cubing techniques.