

## **NEP 2020 Initiatives**

### **Vedic Mathematics Course for Teachers**

This course aims to equip student teachers with the knowledge and skills of Vedic Mathematics to enhance their teaching methodologies and help students develop a strong foundation in mathematics. Vedic Mathematics is an ancient system of mathematics that simplifies arithmetic operations and promotes mental calculations.

#### **Course Objectives:**

- Understand the principles and techniques of Vedic Mathematics.
- Apply Vedic Mathematics techniques to solve arithmetic problems efficiently.
- Integrate Vedic Mathematics methods into regular mathematics teaching.
- Encourage students to develop an interest in mathematics through innovative methods.

#### **Course Duration:**

- Total Duration: 20 hours
- Mode: Online/Offline
- Frequency: Twice a week (2 hours per session)

#### **Course Modules:**

1. **Introduction to Vedic Mathematics**
2. **Basic Techniques and Concepts**
3. **Application in Classroom Teaching**
4. **Assessment and Feedback**

#### **Learning Outcomes:**

By the end of the course, teachers will be able to:

- Master Vedic Mathematics techniques.
- Implement these techniques in their teaching practice.
- Help students perform mathematical operations more efficiently.
- Foster a positive attitude towards mathematics among students.

#### **Assessment Methods:**

- Continuous Assessment through Assignments and Quizzes
- Final Examination
- Practical Demonstration of Teaching Techniques

#### **Certification:**

Participants will receive a certificate upon successful completion of the course.

#### **Course Instructors:**

- Experts in Vedic Mathematics
- Experienced Mathematics Educators