



# MMK & SDM MAHILA MAHAVIDYALAYA

Krishnamurthypuram, Mysuru  
NAAC Accredited with B grade  
Managed by: SDME Society(R), Ujire  
President: Poojya Dr.D.Veerendra Heggade



VISION: "EMPOWERMENT OF WOMEN TO FACE THE  
GLOBAL CHALLENGES"

## DEPARTMENT OF BASIC SCIENCES

(PHYSICS, MATHEMATICS AND CHEMISTRY)

IN ASSOCIATION WITH IQAC

ORGANIZING

## *One Day National Level Seminar*

ON THE TOPIC

### Emerging Trends and Challenges in

### Mathematical, Physical and Chemical Sciences

Inaugurator & Keynote Speaker

**Dr. K. Shiva Kumar**

Associate Professor, Department of Chemistry,  
School of Physical Sciences, Central University of Kerala



Presided by

**Prof. N. Bharathi**

Principal

**Smt. Sukrutha. K. S**

IQAC Coordinator



Venue: College Auditorium, 11th February 2025 at 9.00 am

*All are cordially invited*



Scan for location

### Session-1

11.00 am to 12.30 pm

**Topic: Role of Green Chemistry in the Development of Sustainable science:  
Our attempts to Fine-Tune Chemical Synthesis**

#### Resource Person

Dr. K. Shiva Kumar  
Associate Professor, Department of Chemistry,  
School of Physical Sciences, Central University of Kerala



### Session-2

1.30 pm to 3.00 pm

**Topic: Use of Optical Tweezers for Studies in Biophysics and Colloidal  
Physics**

#### Resource Person

Dr. Praveen Parthasarathi  
Assistant Professor, Department of Physics  
Dr. H. N. National College of Engineering, Bangalore



### Session-3

3.00 pm to 4.30 pm

**Topic: Factorization Techniques: A Gateway to Simplifying Complex  
Problems.**

#### Resource Person

Dr. Madhusudhan, H. S  
Principal, Government First Grade College  
Pandavapura, Mandya



**Valedictory - 4.30 pm**

#### Organizing Committee

#### Convener

Smt. Chaitra, N  
HoD, Department of Mathematics

#### Co-convener

Smt. Pavithra, V  
HoD, Department of Chemistry

#### Members

Smt. Pallavi Angadi  
Assistant Professor  
Department of Mathematics

Dr. Chaitra Mallu M  
Assistant Professor  
Department of Chemistry

Smt. Namratha, D  
Assistant Professor  
Department of Physics

Smt. Ruthu Ramachandra Hegde  
Assistant Professor  
Department of Physics