# SCIENCE ACADEMIES' REFRESHER COURSE IN **THEORETICAL PHYSICS**

## 15th June to 01st July 2023



## **Department of Physics Bishop Moore College Mavelikara**



**Resource Persons** 





Prof. M. Lakshmanan **Course Director** Professor of Eminence & **DST-SERB** National Chair Bharathidasan University

For More Details, Contact:

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**Course Coordinators** 

Prof Arul Lakshminarayan

Professor **IIT Madras** 

### The Specific Objectives of the Refresher Course are

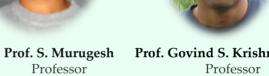
- ♦ To learn physics, and in particular, to recapitulate and refresh the knowledge of serving teachers related to indepth knowledge on theoretical physics and related areas.
- ✤ To inculcate the culture of learning and self-improvement amongst teachers thereby add quality teaching to the student community
- ✤ To acquire and improve basic skills of teaching at the college/university level to achieve goals of higher education
- ✤ To provide opportunities for teachers to exchange experience with their peers and mutually learning from each other
- ✤ To provide a forum for serving teachers to keep abreast of the latest advances in physics by interacting with the Senior Professors in central Institutes.

Course should apply online by clicking the following link: https://webjapps.ias.ac.in/Refreshcourse/NewTP.jsp

Indian Academy of Sciences (Bengaluru)

Indian National Science Academy (New Delhi)

The National Academy of Sciences, India (Prayagraj)



Madurai Kamaraj University Indian Institute of Space Chennai Mathematical Institute

Science and Technology

## **The Topics Covered**

- \* Classical Dynamics & Nonlinear Physics,
- \* Quantum Mechanics,
- \* Quantum Entanglement and Computing,
- \* Statistical Physics,
- \* Condensed Matter Physics,
- \* General Relativity & Cosmology
- $\div$ Mathematical Physics

### Highlight of the Programme

- No Registration Fee
- ♦ UGC has approved two-week Refresher Courses of Good Standing for Promotion, vide notification. No F3-1/2009, dated 30 June 2010, No. F.1-2/2016, dated 11 July 2016, and No.F.1-2/2017(EC/PS), dated 18 July 2018.
- ◆ Participants will get book/s Rs 1250/- per participant on quantum mechanics and Mathematical Physics
- One Day Excursion/Sightseeing place depends on participant's interest

Sponsored by



Emeritus Professor, Madurai





Dr. Shamik Gupta Associate Professor, **TIFR Mumbai**