

SCIENCE ACADEMIES' REFRESHER COURSE IN THEORETICAL PHYSICS

15th June to 01st July 2023



Organized by
Department of Physics
Bishop Moore College Mavelikara

Resource Persons



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



Prof Arul Lakshminarayan
Professor
IIT Madras



Prof V. Ramakrishnan
Emeritus Professor,
Madurai Kamaraj University
Madurai



Prof. S. Murugesh
Professor
Indian Institute of Space
Science and Technology



Prof. Govind S. Krishnaswami
Professor
Chennai Mathematical Institute



Dr. Shamik Gupta
Associate Professor,
TIFR Mumbai

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 in-depth 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.

The Topics Covered

- ❖ Classical Dynamics & Nonlinear Physics,
- ❖ Quantum Mechanics,
- ❖ Quantum Entanglement and Computing,
- ❖ Statistical Physics,
- ❖ Condensed Matter Physics,
- ❖ General Relativity & Cosmology
- ❖ 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

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

For More Details, Contact:

Course Coordinators

Prof. D. Sajan, Ph:9495043765

Dr. Merin George ,Ph: 9400203003

Prof. Javeesh Alex, Ph: 9447845672



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