

## Resource Persons

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Last date for receipt of filled-in application  
20<sup>th</sup> April 2022  
Information to the selected participants  
25<sup>th</sup> April 2022

## Science Academies' Refresher Course in Theoretical Physics

1<sup>st</sup> -16<sup>th</sup> June, 2022

Organised by

Department of Physics,  
St. Joseph's College  
(Autonomous),  
Tiruchirappalli



Sponsored & Supported by



INDIAN ACADEMY OF SCIENCES  
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Allahabad

## HOST INSTITUTION

St. Joseph's College (SJC) was founded by the Jesuit visionaries in 1844 with the noble aim of educating humanity for the Good and the True (*Pro Bono Et Vero*). SJC now serves as a beacon of light for all men and women aspiring to pursue holistic higher education. SJC is a private, aided Christian minority institution affiliated to Bharathidasan University, Tiruchirappalli, Tamil Nadu. It is one of the first colleges to be granted autonomy by the UGC in 1978. SJC

- was recognized by the UGC as a College with Potential for Excellence in 2004 and again in 2014
- received DST-FIST fund in 2008 and 2014 and DBT-STAR status in 2014
- received the coveted honour of the Special Heritage Status from the UGC in 2015
- secured 27th position in NIRF of 6th edition (2021) under college category
- secured the Five Star Status (2000), A+Grade (2006), A Grade (2012) and A++Grade (2019) in NAAC accreditation process.

The college caters to the educational needs of all sections with a marked emphasis on the preferential option for the poor, the marginalized, the first-generation learners and the other deprived sections of the society.

## ABOUT THE DEPARTMENT

The history of the Department of Physics dates to the year 1860s, during the inception of the college. The department has started many programmes such as B.A. Physics (1881), B.Sc (Hons.) Physics (1911), B.Sc. Physics (1930), M.Sc. Physics (1961), Ph.D. (1971) and M.Phil.

(1977). It had given birth to 2 new departments Computer Science in 1983 and Electronics in 1993. To cater the needs of the students, B.Sc. & M.Sc. (Physics) programmes in Self-Financing Section (Shift-II) were started in 1982 & 2004 respectively. The department is one of the Star Departments among 24 departments of the college.

The department is DST-FIST funded and DBT-STAR supported has research facilities in Experimental Physics area. The faculty members undertake activities in knowledge transfer and research with extramural funds from government funding agencies like UGC, DST, DRDO, CSIR and others. Notable alumni of the department are Bharat Ratna, Dr. A.P.J. Abdul Kalam, the former President of India and Dr. G. N. Ramachandran, an Indian Physicist who was known for his work, *The Ramachandran Plot* for understanding peptide structure and nominated for Nobel Prize.

## ABOUT THE PROGRAMME

A refresher course on Theoretical Physics will be held in the Department of Physics, St. Joseph's College, Tiruchirappalli, Tamil Nadu for 2 weeks from June 1<sup>st</sup> to 16<sup>th</sup>, 2022 under the aegis of Science Academies' Education Programme. The objective of this refresher course is to understand and appreciate the Modern Physics Concepts and promote the same to the student community with ease.

Applications are invited from teachers with experience in teaching undergraduates & postgraduate core theoretical courses in Physics. Applications from highly motivated research scholars and postgraduate students also will be considered. Up to 35 applicants will be considered based on merit cum means basis.

Teachers who wish to participate in the Science Academies' Refresher Course on Theoretical Physics may apply through proper channel. It is also essential to submit a brief write-up (not less than 300 words) on the need of attending this course, which will enhance their classroom teaching quality.

***There is no fee for attending this course. Participation in all the activities of this course is mandatory to receive the participation certificate.***

Selected outstation participants will be provided accommodation and local hospitality during the course. All the participants will receive the course material

***The UGC has notified (F-3/1-2009) that teachers in Universities & Colleges attending two-week Refresher Courses are entitled to be considered for CAS.***

Applications should be submitted online by clicking the following link:

<https://web-japps.ias.ac.in:8443/Refreshcourse/SJC.jsp>

In addition to the submission of online application, a copy of the application to be sent by post to the Deputy Coordinator.

In case of teachers, the form must also be duly signed and stamped by the Head of the Institution. In case of student applicants, the recommendation letter of the Head / teacher of the department is important. A scanned copy of the duly signed documents may be sent in advance to the email before sending the hardcopy is also welcome.