



# NCP Physics Education Program

## Third Refresher Course for Physics Teachers “Problem Solving and Concept Development”

1<sup>st</sup> Module July 22<sup>nd</sup> – August 9<sup>th</sup>, 2024

Organized by

Centre of Excellence (CoE) Physics  
National Centre for Physics, Islamabad

### Introduction

The National Centre for Physics has started a program to improve the knowledge base and teaching skills of educators at the Masters/BS level. The focus of the program is to address the issues being faced by teachers in concept development and in problem solving as a basic part of physics education. Two refresher courses for Physics teachers have been successfully conducted at NCP. Each Refresher Course consists of 02 Modules. More than 200 teachers from all over Pakistan and AJK have participated in these Refresher Courses. The course will consist of lectures, problem solving sessions and discussions with experienced faculty members from NCP, QAU, COMSATS and LUMS.

The program has received support from the Higher Education Commission (HEC).

1. This Module will cover 3 major disciplines at the M.Sc. level, namely
  - **Mathematical Methods**
  - **Classical Mechanics**
  - **Electromagnetism**
2. The course will be intensive with 6 interaction hours per day and selected participants would be expected to attend with full seriousness. Performance and participation will be assessed and Certificates of participation and achievement will be awarded.
3. Due to a limited number of seats, selection will be based on academic and teaching record.

### Participation

Applications are invited from all parts of the country from those who are teaching physics at the M.Sc. or BS levels and having at least a M.Sc. degree. Boarding and lodging for outstation participants would be provided by NCP. There is no registration fee for the course.

### How to Apply

Online Application Form is available at: <http://www.ncp.edu.pk/trcpt-2024.php>. The Application Form should be submitted not later than **July 08, 2024**. The short-listed candidates will be informed by email.

For further Information, Please Contact:

Activity Secretariat: [caad@ncp.edu.pk](mailto:caad@ncp.edu.pk)

Manager (Scientific Event Mangement)

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### Advisory Board

Dr. Qaisar Ahsan (NCP)

Dr. Ishaq Ahmad (NCP)

### Program Directors

Dr. S. Khurshid Hasanain  
(COMSTECH)

Dr. Mohsin Siddiq (NCP)

### Participating Faculty

Dr. M. Jamil Aslam (QAU)

Dr. Waqas Masood (CUI)

Dr. Syed Moez Hassan (LUMS)

Dr. Rizwan Khalid (LUMS)

Dr. Fakhar ul Inam (VU)

Dr. Shabbar Raza (FUUAST)

Dr. Aeysha Khaliq (NUST)

Dr. Ali Ahmad (NCP)

Dr. Ishtiaq Ahmed (NCP)

Dr. Usman Hassan (NCP)

Dr. Ambreen Uzair (NCP)

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Dr. Ali Ahmad

Dr. Shahid Ali

Dr. Nazia Batool

Dr. Rabia Jehangir

### Management Committee

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### Course Coordinator

Dr. Shabbir Ahmad

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**Application Deadline**

**July 08, 2024**