

# Embrace Excellence

Join world-class research groups at CEEMS (Center of Excellence in Emerging Materials)



*A platform for the new materials age*

## INVITING APPLICATIONS FOR JRF POSITION

### About Us

Thapar Institute, one of the India's premier Institutions for higher education, is a platform for world-class education and cutting-edge research in Engineering and Sciences. It is ranked 23<sup>rd</sup> in Engineering category and 26<sup>th</sup> in University category in NIRF ranking 2021.

CEEMS is an interdisciplinary center that was established in 2019 under a collaborative venture between Thapar Institute and Virginia Tech, USA. This center has been designed to bring together research groups from different disciplines to conduct advanced scientific and engineering research in a new generation of materials, with an emphasis on solving significant problems facing humanity. Current areas of research include coal-derived graphene-x (graphene oxide, graphene quantum dots, multilayer graphene), graphene-x polymer nanocomposites, Bio-x (molecular and cellular biology, nanotechnology), and Exploratory Research (including Unencumbered and untargeted).

### What CEEMS offers you?

CEEMS is a platform for post-graduate students (M.Sc., MTech, Ph.D.), and post-doctoral candidates to pursue world-class research with reputed research faculty.

### Applications are invited for the following project titled:

Fabrication of Coal derived Graphene reinforced Composite for Lightning Strike Protection of Aircraft Structure and Components

### Duration

The duration of the fellowship is three years, subject to annual performance review. In exceptional cases, the duration may be extended.

### Emoluments

Selected candidates will receive a consolidated monthly package of Rs. 25,000.. An additional amount for contingency/consumables/travel expenses will be provided, as needed.

### Role

The candidate is expected to work with his/her supervising faculty on the project and also required to register and pursue PhD in the related department.

### Qualification

M.Sc. / M Tech. in Mechanical/Manufacturing/Production Engineering with strong academic record..

### Selection Procedure

The applications will be screened and the shortlisted applicants will be interviewed and may be asked to make a presentation, in person or online.

Please contact the PI: Dr. Satish Kr. Sharma

At email: [satish.sharma@thapar.edu](mailto:satish.sharma@thapar.edu)

Mobile:9582923508

Please submit your application (CV) before 04<sup>th</sup> November 2022

For any query, contact Coordinator CEEMS, Prof. Rajeev Mehta, TIET (Email: [coordinator.ceems@thapar.edu](mailto:coordinator.ceems@thapar.edu)) or CEEMS Chair Professor, Dr. Roop L. Mahajan, Lewis A. Hester Chair Professor, Virginia Tech., USA (Email: [mahajanr@vt.edu](mailto:mahajanr@vt.edu)).