

CIVIL ENGINEERING DEPARTMENT

December 25, 2023

**ADVERTISEMENT FOR JUNIOR RESEARCH FELLOW IN DST -AMT
SPONSORED PROJECT**

Sanctioned File No: DST/TDT/AM/2022/284

**Project Title: Development of a Novel Graphene Based Smart Self-Sensing Coatings
for Concrete**

Position: Junior Research Fellow (JRF)

Duration: Two Years

Stipend: Consolidated Rs 37,000 per month and HRA as per the funding agency norms.

About the project: The project aims to develop an electrically conductive graphene based coating for smart structural health monitoring. The main idea is to use it to fabricate self-sensing concrete. In addition, coating will also be used as an Impressed current cathodic protection anode for corrosion protection.

Qualifications:

Essential: First class M.E./M. Tech. in Civil Engineering, Chemical engineering or relevant Discipline. Candidate must have qualified GATE in the relevant area.

Desirable: The candidate should possess a good knowledge of concrete technology and Nano-materials. Additionally, candidates with good exposure to concrete structural health monitoring are highly encouraged to apply.

Last date of application: 15th January, 2024

How to Apply:

1. Interested candidates are requested to submit a detailed CV to through email (with the subject as "Project Vacancy to DST-AMT Project") to the PI (arpit.goyal@thapar.edu) before the last date.
2. Shortlisted candidates will be intimated for the online interview by email only.
3. The candidate selected for the above positions may also get enrolled for Ph.D. degree simultaneously as per the Institute norms.
4. The other norms such as age, stipend and essentials are available on DST portal.
5. In case of any query related to above project, kindly email to Dr. Arpit Goyal.

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