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Department of Metallurgical and Materials Engineering
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

Date: 02, April 2025

Ref. No.: QuRP, FSID/2024-25/QP/07/MME/MRR

Advertisement for PG Research Internship

Applications are invited for the position of PG research internship in funding under the Q-Pragathi project **(QuRP)** with the following details:

Title of the project: "Single Photon Detection in NIR Region with Rare Earth Element Doped Graphene Quantum Dots"

Principal Investigator:

Dr. Mohammad Rizwanur Rahman,
Professor, Department of Metallurgical and Materials Engineering,
National Institute of Technology Karnataka, Surathkal, Mangalore-575025,
Ph: +91 9620169801
Email: rizwan@nitk.edu.in

Name of the position: PG Research Internship

No. of Positions/Vacancies: One

Qualifications:

Essential Qualifications: - Candidate studying in final year of M. Sc. in Physics and Chemistry and M . Tech in **Nanotechnology, Materials Engineering, and Materials Process Technology (M. Tech by research) program in these areas** with a minimum of 65% aggregate score (6.5/10 CGPA).

Desired Skills: - Nanomaterials Synthesis and Nanotechnology

Intern Training insights:- Hands on equipment like Monowave 200, UV-Vis, Ultracentrifuge, Photoluminescence

Age Limit: 26

Salary: Rs. 15,000/- per month

Duration: one year

How to apply: Interested candidates must apply with the following documents (1) Cover letter (2) Bio-data with a passport-sized photograph in the google form.

Google Form Link: https://docs.google.com/forms/d/e/1FAIpQLSde2XtLkv-rFIEdCypxMXGbmJEtS-plYPrRLVhh5gQkMf8MLQ/viewform?usp=dialog

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Last date for applying: 16th April 2025. Only shortlisted candidates will be intimated by email and called for a **Personal interview**. The position is available immediately. The appointment will be on a purely temporary basis co-terminus with the project.

About the project:

Total duration: 1 YEARS (2025-2026)
Funding Agency: Q-Pragathi project

Role of PG Intern:
It is expected from a PG research intern to run independently high-end state of the art equipment such as **Monowave 200, Ultracentrifuge, UV, and PL**. Also, a PG intern has to be good in materials characterization technique. Also, maintain the proper discipline in the lab to finish the project in time.

Note: Candidate are request to bring original certificate during the interview.
