



INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR
Research & Development Office

ADVERTISEMENT NO. IP/10148/Adv0222 DATED 29.05.2026

Applications are invited for a temporary position of **Post Doctoral Fellow** at IIT Gandhinagar.
The details are as below:

Name of PI	Prof. Satyakam Kar	Department	Materials Engineering
Project title	Advancing Magnetocaloric Materials for Refrigeration and Hydrogen Liquefaction		
Designation	Post-doctoral Fellow		
Number of positions	1		
Application Link	http://recruitment.iitgn.ac.in/projectstaff/		
Last date of application submission	30.06.2026		
Consolidated Monthly Remuneration	₹ 72,000 - 84,000/- per month		
Duration of appointment	1 year		
Eligibility Norms ¹	<input checked="" type="checkbox"/> Institute norms		<input type="checkbox"/> Funding Agency norms
Essential Qualification/Experience as per the norms ¹	<ul style="list-style-type: none">• Ph.D. (thesis submitted / degree awarded) in Materials Engineering / Physics / Chemistry or related discipline.• The candidate should have a good academic record throughout and the percentage / grade points with respect to the academic qualifications will be a minimum of 60% or equivalent in Graduation and above, and 55% or equivalent grade in 10th and 12th standard.		
Desirable Qualification/Experience	<ul style="list-style-type: none">• A strong experimental background in materials engineering supported by scientific publications in reputed journals.• Hands-on experience in solid-state (ball milling) and/or wet-chemical synthesis methods (sol-gel, hydrothermal), and/or sintering.• Hands-on experience in XRD (Rietveld refinement), SEM, TEM, VSM, and PPMS.• Experience with data plotting and analysis (MATLAB, Python, Origin, etc.)• Good project management and communication skills.		
Age Limit (If applicable)	32 years as on last date of submitting application		
Job Description	<ul style="list-style-type: none">• The selected candidate will work on synthesis, microstructure design, and property characterization of magnetocaloric materials.• The selected candidates are expected to train and guide Undergraduate, Master's. and Ph.D. students, assist in the lab set-up, and write manuscripts for publication. <p>Note: Applicants are requested to include a list of their publications and contact details of two referees in their CV.</p>		