



INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR
Research & Development Office

ADVERTISEMENT NO. SPON/10139/Advf0250 DATED 03.07.2026

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

Name of PI	Dr. Abhisek Samanta	Department	Physics
Project title	Topological Transport Phenomena in Magnetic and Nonmagnetic Weyl Semimetals: Study of Nonlinear Hall Effects, Chiral Anomaly, and Strong Correlations		
Designation	Postdoctoral Fellow		
Number of positions	01		
Application Link	http://recruitment.iitgn.ac.in/projectstaff/		
Last date of application submission	26 th July, 2026		
Consolidated Monthly Remuneration including HRA	Rs. 72,000/- to Rs. 84,000/-		
House Rent Allowance per month (If applicable)	Rs. 11,000/-		
Duration of appointment	01 Year (may be extended by an additional year, subject to the availability of funds and satisfactory performance)		
Eligibility Norms	☒ Institute norms ☐ Funding Agency norms		
Essential Qualification/Experience as per the norms	- Applicants must have a good academic record (with minimum of 60% or equivalent grade from Graduation onwards and 55% or equivalent grade in class 10th and 12th). - Applicants should hold a Ph.D. in Theoretical Physics with specialization in Condensed Matter Physics or Statistical Physics. - Candidates who have submitted their thesis are also eligible to apply.		
Desirable Qualification/Experience	Preference will be given to applicants with a strong research track record in theoretical condensed matter physics focusing on strongly correlated quantum systems and with experience of using many-body techniques (analytical or numerical).		
Job Description	The selected candidate will join the theoretical condensed matter research group of Prof. Abhisek Samanta at IIT Gandhinagar. The candidate will also collaborate with the experimental condensed matter group of Prof. Gopinadhan Kalon at IIT Gandhinagar. The project focuses on studying the roles of strong correlations, disorder, and multiband effects in nonlinear Hall phenomena in topological materials such as Weyl semimetals. The research involves the use of advanced quantum field-theoretical techniques as well as numerical methods. In addition, the candidate will participate in teaching and other academic activities in accordance with institute norms.		
Others	The application must include the following document: - A detailed and up-to-date CV, including a list of publications - A statement on future research plans at IIT Gandhinagar (not exceeding 2 pages) - A copy of the PhD degree certificate/provisional certificate or a certificate mentioning expected date of graduation - Copies of all marksheets and degree certificates starting from 10th onwards - Two letters of recommendation should directly be sent to Prof. Abhisek Samanta at abhisek.samanta@iitgn.ac.in latest by 31st May 2026 with the subject line “PD26-CMT-YourName”.		

Dr. Abhisek Samanta
Department of Physics,
Indian Institute of Technology Gandhinagar,
Email: abhisek.samanta@iitgn.ac.in