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IIT Indore

Dated: 16-*November-2026*

Advertisement for a Postdoctoral Research Associate Position under the DST sponsored project

IIT Indore invites applications from highly motivated, sincere, hardworking and research-oriented candidates for the position of a postdoctoral **Research Associate** to work with **Dr. Aman Khurana, Department of Mechanical Engineering, IIT Indore.**

Project title:	Engineered Wrinkles: Toward Harnessing the Wrinkling Instabilities in Soft Active Materials
Funding agency:	Department of Science and Technology, New Delhi, India
Position:	Research Associate (One Post)
Project details:	● Formulating nonlinear governing equations to analyse the mechanical behaviour and stability of electroactive soft materials. ● Investigating the influence of electric fields, mechanical pre-stretch, and material properties on wrinkle formation and evolution. ● Developing numerical methods and finite element models to predict wrinkle patterns, critical instability conditions, and post-buckling responses. ● Exploring the controlled generation and manipulation of wrinkles for designing functional soft actuators and adaptive structures. ● Knowledge of nonlinear elasticity, continuum mechanics, stability analysis, and computational solid mechanics.
Qualifications:	PhD in Mechanical Engineering (with strong mathematical background) with publications in reputed journals
Emoluments:	Monthly Rs. 58,000/- + HRA (as applicable)
Duration:	Initially upto March 31, 2027 and Extendable up to 06 more months or till the end/termination of the project whichever is earlier based on the performance.
Application procedure:	Interested candidates are requested to send a detailed CV along with publications and all the self-attested marks sheets/ certificates to amankhurana@iiti.ac.in latest by November **29, 2026.**
Additional information:	• The deadline for submitting applications is Novemeber 23, 2026 • Only shortlisted candidates will be called for in-person/online interview. Selected candidates will be intimated by email. • The Institute reserves the right to fill or not to fill the post advertised.