

INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI
(A State University established by Govt. of NCT of Delhi)

Date: 6-05-2023

Subject: Applications invited for 1 PhD in **Applied Mathematics**

Last date for application: June-15, 2023

Post	1 position available for PhD degree in Applied Mathematics, under the guidance of Dr. Sarthok Sircar
Remuneration	* Rs. 35,000 per month (first 2 years) / Rs. 37000 (3 rd year onwards) * Extra monthly payment of Rs. 25000 from 2 nd year onwards (subject to performance). * Rs. 10,000 per annum (travel/contingency/consumables) + Rs. 1.5 lakh travel funds (travel/laptop/stationary purchase)
Project Description	Selected candidate will work on: (1) Linear stability of Viscoelastic Flows (Sample paper: https://aip.scitation.org/doi/10.1063/1.5115455) (2) Numerical method development for viscoelastic flows (Sample paper: https://arxiv.org/abs/2301.06507)
Essential Qualifications	* CGPA of atleast 7.5 out of 10 OR 70% marks: UG/ PG levels AND * MSc Mathematics, Physics, OR BTech/Mtech in Electrical / Mechanical / Aerospace Engg. * Strong background in atleast one area: Ordinary Differential Eqns / Partial Differential Equations / Numerical Analysis / Linear Algebra * Proficient in MATLAB/Python and/or C/C++
Desirable Qualifications	* GATE score of atleast 400 OR CSIR/UGC-JRF * Knowledge in computational partial differential equations * Knowledge in Fourier-Laplace Transform, Complex Variables * Good oral and written communication skills
PhD Duration	3-4 Years
Last date for Application	Last date of application submission: June-15, 2023
Send Application	sarthok@iiitd.ac.in

Please send your CV to sarthok@iiitd.ac.in. Mention ‘Application for PhD’ in the subject line of your email

Dr. Sarthok Sircar, Associate Professor IIIT Delhi