



## INDRAPRASTHA INSTITUTE OF INFORMATION TECHNOLOGY DELHI

(A State University established by Govt. of NCT of Delhi)

Date: December 5, 2021

**Subject:** Inviting applications for a **PhD** position in **Artificial Intelligence and Machine Learning applications in space**. Due to increased human activity in the last two decades, the near-earth space is becoming congested from functional/non-functional satellites and space debris. These space objects of human origin along with natural asteroids and space weather possess natural, accidental, or intentional threats to the functional and expensive satellites.

The successful candidate will participate in developing state-of-the-art **AI algorithms** for risk assessment and mitigation for active satellites from space debris and contribute towards India's self-reliance in risk assessment for space assets by providing operationally flexible, scalable, transparent and indigenous collision probability solution.

Post	PhD
Monthly Remunerations	<ul style="list-style-type: none"><li>Rs. 31,000/- (+ HRA) for CSIR-UGC Net (Assistant Professorship)/ GATE qualified candidate</li><li>Rs 26,000/- (+ HRA) for others</li></ul>
Qualifications	<p>Essential:</p> <ul style="list-style-type: none"><li>Bachelor or master's degree in CSE, ECE, Aerospace Engineering or related field with CGPA <math>\geq 7.5</math></li><li>Good written, verbal, and visual communication skills.</li><li>Knowledge about linear algebra, vector calculus, State Space Methods, Stochastic Process</li><li>Proficient in Linux, MATLAB, and Python</li><li>Maximum age limit – 35 years</li></ul> <p>Desired:</p> <ul style="list-style-type: none"><li>Prior experience in High Performance Computing</li><li>Experience in Applying AI algorithms in practical problems</li></ul>
Duration	3 years (may be extended)
Application Deadline	<ul style="list-style-type: none"><li>Submit your application on or before December 31</li><li>The positions will be filled as soon as a suitable candidate is found.</li></ul>



Application Process	Submit your application in the following link: <a href="https://forms.gle/E8j5u5FgMwrM27g57">https://forms.gle/E8j5u5FgMwrM27g57</a> Contact: Dr. Sanat K Biswas Assistant Professor Email: <a href="mailto:sanat@iiitd.ac.in">sanat@iiitd.ac.in</a> <a href="https://ssl.iiitd.edu.in/">https://ssl.iiitd.edu.in/</a>
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