

## **PhD Position in CSE department, IIIT Delhi**

**Dr. Diptapriyo Majumdar**

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### **Call for Applications - PhD**

**Overview:** I am looking for a motivated PhD candidate in *algorithms and complexity theory*. I have **ONE** fully funded PhD position for the project “**Efficient Enumeration of the feasible solutions to Combinatorial Optimization Problems**” funded by DST-SERB. The candidate is expected to design fixed-parameter algorithms and polynomial-time preprocessing algorithms on NP-hard problems related to graph theory and combinatorial optimization.

The candidate is expected to have proficiency in discrete mathematics (including graph theory and combinatorics) and proof methods. Good fundamentals in algorithms and data structures are desirable.

**Eligibility:** B.E./B.Tech/M.Sc/M.Tech in Computer Science or MCA. Candidates having M.Sc in Mathematics with some background and/or strong interest towards Theoretical Computer Science are also eligible to apply.

**Principal Investigator:** [Dr. Diptapriyo Majumdar](#)

**Salary:** As per the norms of IIIT Delhi.

**Job type:** Normally, a PhD student at IIIT Delhi is expected to complete their PhD thesis work within 5 years, but the actual time can vary depending on the chosen research problems.

**How to apply:** Send your full CV and transcripts to [diptapriyo@iiitd.ac.in](mailto:diptapriyo@iiitd.ac.in) with subject line **PhD position in algorithms** on or before **5th November, 2023**.

**Selection Procedure:** After your application is received, you will be called for an interview. Depending on your background, you will be asked basic questions that include discrete mathematics, proof methods, discrete probability, and can include basic questions from algorithms and data structures.

**Send your application early enough as the position will be filled once we get the right candidate.**