



**INSTITUTE OF INFORMATION TECHNOLOGY ALLAHABAD**  
**Jhalwa, Prayagraj, Uttar Pradesh-211015**  
**ADVERTISEMENT OF INTERNSHIP PROGRAM (VRITIKA)**

Applications are invited for short-term (5 weeks) research internship/training under the SERB Accelerated Vigyan Programme - Vritika titled “Topological graph theory.”

**Objective:** The main objective of this internship is to understand the basics of topological graph theory. The students will get exposure to non-planar drawings (embeddings) on surfaces. As a consequence, the students will get the knowledge of orientable and non-orientable surfaces, various symmetric embedding (maps) including triangulations, and automorphism groups of embeddings (maps). Moreover, this internship will motivate the candidate to continue the research in this topic or related areas.

**Eligibility:** Candidates currently pursuing M.Sc. or Ph.D. (preferably Ph.D. first year student) in Mathematics from University/Institution/College and having a good orientation towards scientific research may apply.

**Internship Details:**

1. Mode: Offline
2. Duration: 5 weeks (November 21, 2022 to December 25, 2022).
3. Certificate will be provided to the interns after the successful completion of the internship tenure (Submission of work report).
4. Nature of support:
  - The internship will be given for meeting daily necessary expenses such as stationery, consumables, accommodation, food, etc.
  - The participating students will also be eligible for TA reimbursement for their journey to the host institute from their hometown/home institute, both ways, as per GoI norms.
  - Course Material and Lab Access will be made available during the workshop.
  - Stipend: No scholarship/stipend is given.

**Number of Candidates: 02**

**Last date of Application: 07 November, 2022**

**Note:** The applicant should produce a bonafide letter from the Head of the Department indicating the current association with the Institute/University/College and No Objection Certificate allowing the student to undergo internship offline before joining the program.

Interested candidates may submit their application online before due date through the following Google form.

<https://forms.gle/RKfSUfqJbpDNekWG7>

or send your complete CV on [anand@iiita.ac.in](mailto:anand@iiita.ac.in)

Event Organizer

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