

## Technology Innovation Hub @ Indian Statistical Institute

Technology Innovation Hub @ Indian Statistical Institute  
203, BARRACKPORE TRUNK ROAD, KOLKATA 700108, INDIA

Phone: +91 33 2575 3100

Email: [tihisi@isical.ac.in](mailto:tihisi@isical.ac.in),

URL :<https://www.isical.ac.in/~tihisi/>

LinkedIn:<https://www.linkedin.com/company/ideas-tih>

Regd. Office: C/O Indian Statistical Institute, 203 Barrackpore Trunk Road, Kolkata 700108

NO: ADV/ISI/IDEAS-TIH/2023-24/11

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### CALL FOR CHANAKYA DOCTORAL FELLOWSHIP

The Technology Innovation Hub, IDEAS (*Institute of Data Engineering, Analytics and Science Foundation*), is a Section-8 not-for-profit company incorporated at the Indian Statistical Institute Kolkata under a National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS) of the Government of India. It is an Innovation Hub in the technology vertical "Data Science, Big Data Analytics, and Data Curation" supported by the Department of Science and Technology (DST), Govt. of India.

#### Objective:

To provide support for Doctoral candidates to do an in-depth analysis in Data Science by applying in dependent methodologies of scientific research and creating new scientific knowledge/technology solutions in Data Science.

#### Fellowship Grants:

₹ 31,000/- per months. If selected, the applicant cannot avail any other fellowship in parallel.

#### Duration:

Maximum 36 Months

#### Eligibility:

1. Students registered in any doctoral program in India can apply for the fellowship.
2. Applicants must be aspiring to work in the areas of "Statistics, Machine Learning, Artificial Intelligence and Data Science".
3. CGPA should be greater than or equal to 8.0 in both undergraduate and masters' level.
4. All through 1st class is essential as academic qualifications.
5. One mentor will be from IDEAS-TIH.

#### Selection Procedure:

1. Each candidate needs to submit a proposal (maximum 2 pages) that should consist of the details of project and the candidate, the aim of the project and research gap, methodology and expected deliverables with a timeline. Any idea that has a potential to lead to a technology (start-up) is highly encouraged.
2. The proposals will be shortlisted based on the eligibility criteria, feasibility and originality of the proposal. Shortlisted applicants may be asked to present their proposals to the evaluation committee.

**Benefits:**

1. Opportunity to enhance learning, explore entrepreneur skills, and innovate.
2. Opportunity for entrepreneurial activities and Start-ups.
3. Monthly fellowship grant.
4. Get an opportunity to interact with industries.

**Expected Outcomes:**

IP, Technology, Research oriented technical minds, Start-up.

**Performance Matrices:**

IP generated Different approaches to solve real problems of industries. New knowledge/ technology solutions in CPS.

**Workplace:**

Industries/Academic Institution/R&D Institution

**Terms & Conditions:**

- Monthly monitoring of the selected proposals.
- The Technology Innovation Hub reserves the right to terminate the fellowship based on unsatisfactory progress.
- The Technology Innovation Hub reserve all rights to revise the eligibility criteria and reject any proposal without assigning reason at any time.
- Doctoral fellowship is applicable during the actual number of months (including summer and winter vacations).
- These fellowships are primarily targeted at pursuing doctoral students who wish to pursue projects in the area of "Statistics, Machine Learning, Artificial Intelligence, Data Science."
- TIH Hub can monitor the academic progress of the Chanakya fellowship holders (after they are appointed).
- The mentoring faculty member must be working or intend to work in an area relevant to Statistics, Machine Learning, Artificial Intelligence and Data Science and must be closely aligned with the goals and deliverables of Technology Innovation Hub.
- Research proposals with mentoring faculty members in institutes having requisite infrastructure and laboratories for research in the areas of Statistics, Machine Learning, Artificial Intelligence and Data Science will be preferred.
- The supervisor/mentor must agree to provide the facilities required for the research to be conducted by the candidate in line with the research proposal.
- The proposal shall have the potential in developing new techniques and tools to address some of the challenges in Data Science that can be used to serve the society in a broader aspect.

**Application Dead Line:**

This is a Rolling Advertisement and/therefore, the proposal can be submitted at any time; however, the received proposals shall be evaluated every three (3) months.

**Application Link:**

[https://docs.google.com/forms/d/1fY9dSQy15fhEvzge4VlimzyYB-XlICbPTPM2vXI\\_8Ds/edit](https://docs.google.com/forms/d/1fY9dSQy15fhEvzge4VlimzyYB-XlICbPTPM2vXI_8Ds/edit)

  
(ASHISH GHOSH)  
Project Director

**IDEAS, Technology Innovation Hub**

**PROPOSAL FORMAT FOR  
THE CHANAKYA DOCTORAL FELLOWSHIP**

**Project Title:**

**Applicant's Name (Name, Department, Email id, and Mobile Number):**

**Faculty Mentor Details (Name, Department, Institute):**

**Domains (Please indicate one):**

1. Machine Learning
2. Artificial Intelligence
3. Data Science
4. Statistics

**Statement of the problem (Max 300 words):**

*(The description of the following points should not cross 2 pages, A4 page, 11 font size, Times New Roman)*

**Objectives:**

**Executive Summary:**

*(with a pictorial view of the expected prototype/design/Front-End, if possible)(Max 500 words, clearly write how your idea solves the real-world problem related to above-mentioned verticals)*

**Methodology (should be technical):**

**Expected Deliverables/Outcomes and timelines:**