

I. Important Guidelines for Ph.D. Application

- 5 (i) Along with your application, you have to submit a Statement of Purpose or a Research Proposal as required by an academic unit.

(ii) If you are applying to the **Ashank Desai Centre for Policy Studies (ADCPS)** you need to specifically upload a research proposal (in place of a Statement of Purpose), along with the application form, that will be graded for admission purpose. The Research Proposal (in 2000 words or less excluding reference) for applying to the Ashank Desai Centre for Policy Studies, PhD programme must contain: (a) clear problem identification(see LIST of clearly identified topics announced on ADCPS webpage-must choose from this list only)(www.cps.iitb.ac.in/academics/doctoral-programme), (b) brief review of relevant literature (c) a clear proposed methodology, (d) recent reference.

(iii) If you are applying to **Management (SJMSOM)**, you are required to submit research proposal (1500 words) on a topic of applicants' interest in place of Statement of Purpose. It should contain a) problem identification, b) brief review of literature, and c) methodology.

Applications without research proposal will not be considered.

(iv) If you are applying to **Department of Humanities & Social Sciences, CTARA or CSRE**, you need to upload Statement of Purpose as well as a research proposal along with the application form. The Research Proposal for applying to Policy Studies, Technology & Development (CTARA) should contain (a) problem identification, (b) brief review of literature and (c) proposed methodology. The SOP for CSRE should refer to one or more topics of interest FROM THE LIST of topics announced on CSRE webpage <https://www.csre.iitb.ac.in/phdTopics.php>

(v). Candidates applying to **IDC** are required to submit a Statement of Purpose (SOP) along with a research proposal (~1500 words) that contains (a) the research area, (b) a brief review of the literature and (c) proposed methodology. The candidates must also submit a recent work or paper related to their area of research. A link to the design portfolio (drive folder/website/online documentation), if available, can be provided along with the SOP document.

(vi). Candidates applying to **Educational Technology** are required to submit a Statement of Purpose containing (a) your interests and motivation for applying to ET (max. 50 words), (b) relevance of your recent and current activities (max. 200 words), (c) details about your academic interests including (but not limited to) your areas of interest, a problem that interests you, and what you plan on doing after completing your Ph.D. (max. 250 words).

(vii). Candidates applying to **Desai Sethi School of Entrepreneurship (DSSE)** have to submit a research proposal of 1000 - 2000 words which identifies a research problem / interest from the domain of innovation and entrepreneurship, argues for its relevance by citing existing literature around it with academic references and proposes an appropriate research methodology to conduct the study.

(viii). Candidates applying to **Centre for Climate Studies (CCS)** are required to submit a research proposal based on their research interests in the application form.

(ix). Candidates applying to **Center for Defence Technology Innovations and Strategies (CDTIS)** are required to submit a statement of purpose with the application in the specified format in which the titles of topics of candidate's interest

should be mentioned with a detailed justification how the candidate's academic background is suitable to pursue research in that area.

Additionally, a research proposal in the specified format on a topic from any one of the research areas listed above should be submitted. The proposal should contain (a) problem identification ,(b) brief review of literature ,(c) proposed methodology (d) references.

(x). Candidates applying to **Medical Technology Research and Innovation Centre (MED-TRIC)** are required to submit a statement of purpose with the application in the specified format in which the titles of topics of candidate's interest should be mentioned with a detailed justification how the candidate's academic background is suitable to pursue research in that area.

(xi). Candidates applying to **Centre for Traditional Indian Knowledge and Skill** are required to submit a statement of purpose with the application in the specified format in which the titles of topics of candidate's interest should be mentioned with a detailed justification how the candidate's academic background is suitable to pursue research in that area.

B.32) TRADITIONAL INDIAN KNOWLEDGE AND SKILLS (TIKS)
[Centre for Traditional Indian Knowledge and Skills (CTIKS)]

- New Programme from the AY.2026-27

The Centre for Traditional Indian Knowledge and Skills (CTIKS) is dedicated to the rigorous study, reconstruction, and contemporary application of India's scientific and artisanal knowledge traditions. The current research areas and the corresponding eligibility criteria are given below.

ELIGIBILITY FOR ADMISSION

First Class or 60% marks (55% marks for SC/ST), as specified in the General Eligibility Criterion, in the qualifying degree. **The qualifying degree for each area of specialization is given below.**

- **Indian Mathematics and Astronomy (IKS1)**

(i) M.Tech./M.E. or equivalent degree in Engineering / Technology

OR

(ii) MBA or equivalent degree (with B.Tech. / B.E. or equivalent degree)

OR

(iii) B.Tech. / B.E. or equivalent degree in Engineering / Technology

OR

(iv) B.S. (4-year) degree in Mathematics / Physics

OR

(v) M.Sc. or equivalent degree in Mathematics / Physics

Candidates with qualification listed in (iii), (iv) or (v) must also fulfil ONE of the following additional requirements (Refer to section A.5 of this brochure for exemptions):

a) a valid GATE score

b) Selected through National Eligibility Test – UGC NET including lectureship (Assistant Professorship)

c) Selected through a National level examination conducted by MoE or its agencies /

Institutions such as UGC/ IIT/ IISc./ IIIT etc.

(d) Selected provisionally for the DST-INSPIRE Fellowship (provisional award letter to be produced)

e) Minimum of TWO years of professional experience (acquired after obtaining the qualifying degree and completed before the starting of the semester in which admission is sought)

Reasonable familiarity with Sanskrit is desirable.

- **Linguistics and Language Technology (IKS2)**

M.A. in Sanskrit / Prakrit / Pali / Sanskrit Linguistics AND

Selected through National Eligibility Test – UGC NET including lectureship (Assistant Professorship)

Familiarity with Python programming language, competence in traditional knowledge explicitly displayed by clearance of exams (like that of the Vedashastrottejaka Sabha, Pune, for example) is desirable.

- **Yoga and Wellness Science (IKS3)**

Qualifying degree requirements are the same as those specified in the general eligibility criteria.

Post Graduate Degree or Equivalent in Psychology or Management or Yoga is desirable.

- **Ancient Water Management Systems (IKS4)**

M.Tech./M.E. or equivalent degree in Hydrology and Water Resources Engineering / Irrigation Water Management / Architecture / Agricultural Engineering

Background in Epigraphy, manuscriptology, and archaeology is desirable.

- **Heritage Structure Conservation (IKS5)**

M.Tech./M.E. or equivalent degree in Geotechnical Engineering / Construction Technology / Structural Engineering / Construction Materials / Conservation

- **Indian Financial and Business Models (IKS6)**

Qualifying degree requirements are the same as those specified in the general eligibility criteria.

Candidates applying to Centre for Traditional Indian Knowledge and Skills are required to submit a statement of purpose with the application in the specified format in which the titles of topics of candidate's interest should be mentioned with a detailed justification how the candidate's academic background is suitable to pursue research in that area.

Note: Criteria for awarding Teaching Assistantship and other application categories are as per the guidelines mentioned in section A.6 of this Brochure.

Areas of Specialization and Research Areas:

- **Indian Mathematics and Astronomy (IKS1)**

Textual & Critical Studies of Primary Sources, Computational Techniques (including Vakya system), Pedagogy & Knowledge Transmission, Kerala School & Late Medieval Developments, Planetary Models & Observational Astronomy, Astronomical Instruments (including masonry) & Observational Practices, Cross-Cultural Studies on the History and Evolution of Astronomy

- **Linguistics and Language Technology (IKS2)**

Mathematical modeling of Paninian grammar, Shabdabodha in view of the indivisibility of the sentence, Discourse Analysis, Yogyata Relations and Automatic Script Generator, Accent generator, Wordnet of Indian Languages, Any other relevant topic in the field of Vyakarana

- **Yoga and Wellness Science (IKS3)**

Language and Wellness, Psychological aspects of Yoga based practices at individual and organizational level, Study of classical texts in Yoga, Cultural,

Social & Historical Studies of Yoga, Application of Yoga in different domains such as therapy, sports and management.

- **Ancient Water Management Systems (IKS4)**

Sustainable Water Management drawing inferences from various inscriptional sources, Community-based sustainable large-scale rainwater harvesting, temple tanks and their heritage, Management of Tank-Irrigation Systems - a socio-hydrological approach, Stepwells and their contribution in water management, Water management in the Forts of 12 UNESCO heritage sites in Maharashtra and Tamil Nadu

- **Heritage Structure Conservation (IKS5)**

Analysis of jointless structures in temples and temple tanks, Heritage Impact assessment, Characterization of ancient construction materials and methods, Interventions to existing heritage structures

- **Indian Financial and Business Models (IKS6)**

Traditional Indian foundations of Business, Commerce, Finance and Economics, Arthashastra & Ancient Economic and Business Thought, Indigenous Financial, Banking and Business Systems, Accounting, Measurement & Wealth Reporting, Sustainable Business and Circular Economy, Behavioral Finance, Family Business, Intergenerational Capital, Entrepreneurship and Innovation, Corporate Governance and Leadership, Ethics, Trust & Informal Governance, MSMEs & Informal Economy

Please visit <https://ctiks.iitb.ac.in/> for more information.

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