



# भारतीयज्ञानसंवर्धनयोजना

## **Competitive Research Proposals Program 2023-2024**

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### **Dates to Remember**

Proposals Due by	February 25, 2023
Awards Announced	Middle of March 2023
Funding Available	Middle of March 2023
Progress Report Due	August 1, 2023
Review of the project	February 2022
Final Report Due	March 31, 2025

**Contact Us:** Email: [iksresearch@aicte-india.org](mailto:iksresearch@aicte-india.org) Phone: 011 29581523  
**Website for proposal submission:** <https://iksindia.org/iks-center-form.php>

## About Indian Knowledge Systems (IKS) Division

Home to the oldest continuously living civilization of the world, the Indian subcontinent has been a knowledge and manufacturing powerhouse of the world for most of the known history. A Dharmic culture that emphasized the development of all dimensions of humanity with an emphasis on living in harmony with oneself, one's environment, and the universe at large. It is becoming very apparent from the recent developments around the world that the current models of development are unsustainable and are in serious conflict with nature. The rising inequalities in the modern world point to a dire need for new paradigms of development.

*There is an Indian way that is both sustainable and strives for the welfare of all.* The grand vision for the IKS Division of Ministry of Education at AICTE is to initiate a process of training generations of scholars who will show the 'Indian way' to the world. If we want to become the Knowledge Leader in this century and be the 'Vishvaguru', it is imperative that we regain a comprehensive knowledge of our heritage and demonstrate the 'Indian way' of doing things to the entire world. Therefore, the IKS Division of Ministry of Education at AICTE has been established with a vision to ***promote interdisciplinary and transdisciplinary research on all aspects of Indian Knowledge Systems (IKS), update and disseminate IKS knowledge for further innovations and societal applications.***

### **Functions of IKS division:**

- 1) Facilitate and coordinate IKS based/related inter and transdisciplinary work done by various institutions in India and abroad including Universities, Institutions of national importance, R&D Laboratories and different ministries and inspire private sector organizations to engage with it.
- 2) Establish, guide and monitor subject-wise interdisciplinary research groups comprising of researchers from institutes, centers and individuals.
- 3) Create and promote popularization schemes.
- 4) Facilitate funding of various projects and develop mechanisms to undertake research.
- 5) Make Policy recommendations wherever required for the promotion of IKS.

## Overview of the Competitive Research Proposals Program of IKS Division of MoE @ AICTE

*The Competitive Grants Program of the Indian Knowledge Systems is designed to encourage and fund research studies that will contribute to the research mission of the IKS Division.* Our goal is to make catalytic grants that encourage original, serious, and deep scholarly research in the Indian Knowledge Systems and rejuvenate IKS research in India. The funds available to support the Competitive Grants Program are discretionary funds provided by the Ministry of Education, Govt. of India to support the activities of the IKS Division. The level of funding available for the program each year is determined by the MoE, Govt. of India. Each proposal call of the division will focus on certain thematic areas identified with the help of experts and IKS researcher community feedback.

Funding research that may eventually lead to deeper understanding or practical products or to solutions to contemporary problems is the top priority. The research proposals must be interdisciplinary, involving the study of the traditional concepts, methods, technologies, or approaches using the modern tools and approaches wherever necessary, in order to solve contemporary societal problems or develop deeper understanding of the Indian Knowledge Systems. Research proposals should be collaborative and involve traditional scholars/scholars well versed with the traditional texts and practices and compare them wherever possible to the developments in modern sciences.

This call for proposals has the following research priority areas. We intend to support up to 5-6 high quality research proposals in each area subject to availability of funding. We may not fund any proposals in a thematic area if we do not receive high quality proposals.

- 1. Mathematics and Astronomy:** Bharat has a rich tradition of mathematics and astronomy. Most of the mathematics taught in schools today either originated or was developed in Bharat. The mathematics of Bharat involved sophisticated concepts which were also of great practical utility. Proposals are invited to investigate the historical development of mathematics and astronomy (not astrology) through study of the original texts or of ancient structures and instruments. Relationship between the astronomical phenomena and the Panchanga for determining the timing of the festivals and agricultural operations, traditional methods for periodic correction of the astronomical models, study of the simplicity and optimality of the algorithms developed in Indian mathematics and astronomy are a priority.
- 2. Chemical science and technology:** In India, chemistry (Rasayanashastra) was given the special designation as a “shastra”, ie. A system of codified knowledge. Several methods to produce alloys, acids, bases, salts and other chemicals were developed, studied carefully and tested and deployed for various uses including medicines, mortars, dyes and pigments for textiles, arts, murals, paintings in India. Research proposals in the chemical sciences especially with a focus on recreating these technologies for preparing medicines, mortars, dyes and pigments and other materials are also invited. Recreation of environmentally

friendly, non-toxic, bio-based pigments and dyes, and mordants used in traditional Indian textiles, murals in temples and caves are a priority.

3. **Sustainable Agriculture and Food preservation**: Bharat is blessed with a large area conducive for agriculture which formed the basis for her prosperity. With the advent of the green revolution, the food security of the nation was assured despite a four-fold increase in the population. However, it is increasingly evident that the industrial methods of agriculture are not sustainable and is resulting in the degradation of the soil health. There is a need to develop alternatives inspired by traditional practices of Bharat to move towards a more sustainable agriculture without jeopardizing food security of the Nation. Proposals focusing on replacement of pesticides with traditional alternatives are a priority. Proposals for developing economically viable technologies or strategies for improving soil health based on the traditional practices of Bharat is a top priority.
4. **Architectural engineering, vastu and shilpa shastra**: Bharat is world-renowned for its splendid architecture and associated technologies, from rock-cut marvels to imposing constructed buildings for religious or civil purposes. How were these monuments planned and executed? What sort of knowledge of mathematics or civil engineering was involved? And how were the supply chains for raw materials, human and material resources managed? IKS division invites proposals that delve into such details of a particular structure / monument as top priority. Proposals that are about general aspects of architectural engineering, vastu and shilpa shastras are not currently of interest to the IKS division.
5. **New universal sociological models based on emic perspective**: The Indian way of thinking was always concerned about लोकहित, not merely मनुष्यहित (anthropocentric). Also, theory-making within the Indian traditions followed the अनुबंध-चतुष्टय, which includes विषयः, फलः (प्रयोजनः), अधिकारी and संबंधः। How can this be integrated into mainstream sociological thinking? Therefore, the development of Indic methods of sociological analysis using a new set of instruments that are not ascertained by any other means of cognition (pramana) and explain a large set of societal facts to obtain results that are not achievable from any other source are critically needed. Placing our folktales, songs, and performances within the sociological, anthropological, folkloristics, and the social and behavioral sciences, and their analysis from an emic point of view is much needed. Can the texts of Panini and Bhatrahari be used to provide a universal sociolinguistic theory? Indic sociological categories that investigate how Indians create meaning and how meaning is communicated using indigenous inductive and deductive approaches to knowing, which are anchored in the self-reflexive, self-conscious sociology and anthropology of the Vedas, is another area that needs immediate attention. Its origins lie in the academic study of how signs and symbols (visual and linguistic) create meaning. Can digital/social media be studied from an Indic sociological perspective to curb certain vices (competitiveness, narcissism, aggression, and hypocrisy) and encourage certain virtues (curiosity, kindness, respect, and

restraint)? What can an Indic sociology offer that helps individuals embody a unique potential for wonder, connection, inspiration, and even joy/delight? Can there be digital humanities from an Indic perspective?

**6. IKS approaches for management of water resources, weather and rainfall predictions:**

India in its long history has faced many vagaries of nature including floods, droughts and uneven precipitation patterns. To address these challenges and adapt to diverse situations, every region of Bharat developed its own traditional knowledge in the construction of wells, ponds, lakes, reservoirs, dams and other water-harvesting and water-management structures. Often these methods and strategies were multidimensional, addressing not only the needs of the society, but also those of agriculture and domesticated animals. In this thematic area, water-management techniques, including water-harvesting, water-storage, irrigation and other distribution methods, are a top priority. Also the relevance of those traditional knowledge systems to contemporary problems of water management. Indians had pioneered various methods for rainfall predictions in the near term to long term. Rainfall was considered 'poorva chitti' (i.e., something that can be known *a priori*) in the vedas. Rishis Kashyapa, Parashara, Gautama and Vatsa are well known for their rainfall prediction methods. Varahamihira describes the concept of 'Garbhottamma'. Short- and long-term weather forecasts are discussed in various agricultural and astronomical texts such as krishi parashara. Many of these methods need evaluation using modern scientific methodology. Proposals that delve deep into these methods and evaluate them using modern methodology and latest data are a priority. To qualify under this theme, the proposals must cite a primary text, physical evidence (including from archaeological excavations), or an oral tradition on which the proposal is based, propose advance studies using modern methodologies, and assess the applicability to the maintenance of the ecosystem services. Simply replicating a traditional technology/method or using a modern water-management technique will not be considered to be responsive to this theme.

**7. IKS approaches to psychology, cognition, and consciousness:** Consciousness studies in Bharat have a very long tradition and the approaches developed in Bharat are being explored in various contemporary studies. Proposals are invited for novel studies in the areas of ayurveda, vipassana (mindfulness) approaches of Buddhists, health, wellness and consciousness studies based on the Indian traditions. Studies of the impact of the spiritual practices such as meditation, mantra chanting and kirtans in an individual vs. group settings on the physiological and mental health outcomes of participants are encouraged. Bharat has been the civilizational center of using first person approach to understanding the universe. Research studies that focus on developing and advancing the first person perspective and demonstrating its utility to address current societal challenges are a priority.

**8. Evidence based music and dance interventions and its relevance in contemporary world:** Recent studies have corroborated the long standing observation in the bharateeya sangita and natyashastra paramparas that music is not only relaxing but uplifts individuals and also has measurable physical impacts on its listeners. This has been widely known in Bharat and the various ragas are specified to be sung in different times of the day and to indicate various rasas. Pursuing music was considered the upasana of the naadabrahma in Bharat. It

is perhaps not an exaggeration to say that the use of music and dance as a form of therapy was first investigated in Bharat. Proposals are invited for studies that combine the music therapy with clinical studies to demonstrate the tangible and measurable improvements in the mental and physical wellbeing. Studies that focus on investigating music and dance therapy for their potential to reduce the mental anxiety, depression and suicidal tendencies especially among youth and working populations are a top priority. Scientifically demonstrable improvements in dyslexic and autistic children using music and dance are top priority under this program.

9. **Pashuayurveda based approaches:** Globally it is being recognized that antimicrobial resistant (AMR) bacteria in animals are a major public health concern because animal products form a major source of food consumed by human beings. The global consumption of antimicrobials in animals today is about 70000 tons and it is estimated that in the year 2030 the consumption will be doubled. In the last 15 years, National Dairy Development Board (NDDB) has used pashu Ayurveda based practices for 30 clinical conditions. This program that has demonstrated the recovery of the cattle treated with pashu Ayurveda formulations ranges from 75 to 100 %. The reduction of the antibiotic residue (87.86 %) in the milk is clearly observed. It is becoming evident from this outreach experience of NDDB network that ethno-veterinary herbal preparations have major potential to serve India and the world as a low cost and efficacious alternative to antibiotics for animal diseases. Pashu-Ayurveda thus represents a globally relevant knowledge that represents a systemic theory of biological change which complements molecular biology and can make Bharat a world leader in Animal health. The IKS division invites action oriented research proposals for scientific evaluation of pashu Ayurveda. The thrust areas for research support will be the following: Clinical/ field research to demonstrated effectiveness of pashu Ayurveda on high morbidity conditions of animals (cows, goats, poultry, fish); Research to establish reduction of AMR bacteria and residues in food products of animal origin; Lab research to establish scientific mode of action of classical pashu Ayurveda products; Research on product development to standardize pashu Ayurveda products in user friendly and cost effective formats, that can be put to global use.

## **Proposal Eligibility Criteria/Preparation and Submission Instructions**

The IKS is inviting research proposals from researchers working in the Indian Knowledge Systems. Faculty members in any Govt. recognized educational institutions (private/public), Govt. funded labs and NGOs/Trusts/foundations are eligible to apply. To be eligible for this grant, NGOs/Trusts/foundations must be ***solely working*** in the research and education related to Indian Knowledge Systems. **Independent researchers without an institutional affiliation are not eligible to apply. Researchers who have been funded by IKS Division through the Research proposal program/IKS center program in earlier rounds are not eligible to apply as Principal Investigators or Co-Principal Investigators. They can however be involved as a collaborator.**

Funding best research is our priority. When proposals are similarly scored, we give preference to assistant professors, associate professors and professors (in this order). **Researchers may submit up to two proposals as principal investigator, but only one will be funded. A researcher can be involved in a maximum of three proposals as a PI or co-PI.** If a faculty member submits two proposals and both are ranked for funding, the person will be asked to the proposal for which she/he would like to receive funding. **The proposal can be submitted in any Indian Language included in the Eighth Schedule or English.**

1. Proposal(s) should focus on research important to IKS's research mission. Research may be basic or applied. **Preference will be given to proposals that may eventually lead to practical products or practices or leads to solutions to contemporary problems.**
2. **It is mandatory requirement that the team must have at least one person (PI or CoPI or Collaborator) who can read the primary text without the aid or any translations.**
3. Joint, interdisciplinary projects are preferred, and encouraged.
4. The typical awards for research projects are Rs. 5-10 lakhs (total amount) and a maximum award will be Rs. 20 Lakhs (total amount) over a period of two years for experimental projects.
5. All projects must be **completed before 31<sup>st</sup> March, 2025** unless an extension is granted.
6. **Proposal deadline is mentioned on the first page of this document. Proposals must be submitted through online link given on the first page of this document only. Any other form of submissions will not be considered. Late proposals will not be accepted for any reason.**
7. Awards will be announced, and funds will be available in March 2023.
8. Progress reports are due 1<sup>st</sup> September 2023, 31<sup>st</sup> January, 2024 and 1<sup>st</sup> July 2024. The research carried out in the project will be reviewed at the end of one year (Feb., 2024) by a committee. Future grants will be made only upon favourable recommendations.
9. Final reports are due 31<sup>st</sup> March 2025. Besides a detailed report, IKS division requests that a no more than 300-word layperson language summary (Suitable for publicly posting on the webpage) and several photos of your work be submitted with each report. These may be used in IKS's annual report or on our website.
10. Please prepare the proposal as per the proposal guidelines given below. Failure to follow these proposal guidelines will result in your proposal not being reviewed or funded.
  - **Please use the proposal template provided.** If you use the version at the end of this document, you will need to adjust pagination and margins. **Proposals that do not follow the template will be rejected without review.** There will be no further communication entertained if the proposal does not follow the template provided.
  - Use the signature page provided and make it a separate page in your document.
  - Complete the cover page provided. Make it a separate page in your document.

- The proposal body with appropriate references should not be more than ten (10) pages long. Please write your proposal in clear simple language and do not list references unless you cite them.
- Use 1-inch margins on all sides, single line spacing, at least 11-point font.
- Please place page numbers at bottom center of the pages.
- A complete proposal includes the following separate documents (as pdf only):
  - Document 1: Cover page
  - Document 2: Proposal narrative
  - Document 3: Budget page
  - Document 4: PI and CoPI resumes
  - Document 5: PI signature and institutional approval pages
- Each of the document files must be <10MB.
- Once your proposal is finalized, save as a PDF file using this naming format YOURLASTNAME\_IKS\_BGSYojana3. If you are submitting two proposals, add a suffix identifier to each file name, i.e., YOURLASTNAME\_IKS\_BGSYojana3\_projectname

11. Submission Process

- Please visit the IKS Division website and fill the details here: [iksindia.org](http://iksindia.org)
- Upload your PDF proposal files (<10 MB) and then press the submit button
- If your submission has been successful in the web system, a notification will be sent within two days informing you of the successful submission. If you submitted a proposal but do not receive such notice, please contact the IKS.

12. Budget Distribution:

- The project funds for research over two years will be sanctioned in two installments.
- Proposals proposing more than the budget limit (20 lakhs) will be returned without review and automatically excluded from the review process. There will be no further communication in this regard.
- Funding will be provided to support the following
  - **Salary** for project personnel/project associates/research fellowships/interns. PI or Co-PI salaries/honorariums are NOT supported.
  - **Supplies:** includes equipment with an individual piece value less than ₹10,000, i.e. ten temperature sensors or chemical bottles at ₹1000 each are still considered to be supplies. Any service charges for the analysis of samples can be included in this budget head.
  - **Equipment/Facilities:** Any non-consumable item with a single piece value less than ₹10,000 or over is considered equipment. Please note that construction of new facilities (Brick and mortar) is not allowed in this project. Acquisition of resource such as books are acceptable under this budget head. Purchase of computers/laptops/printers are allowed only under

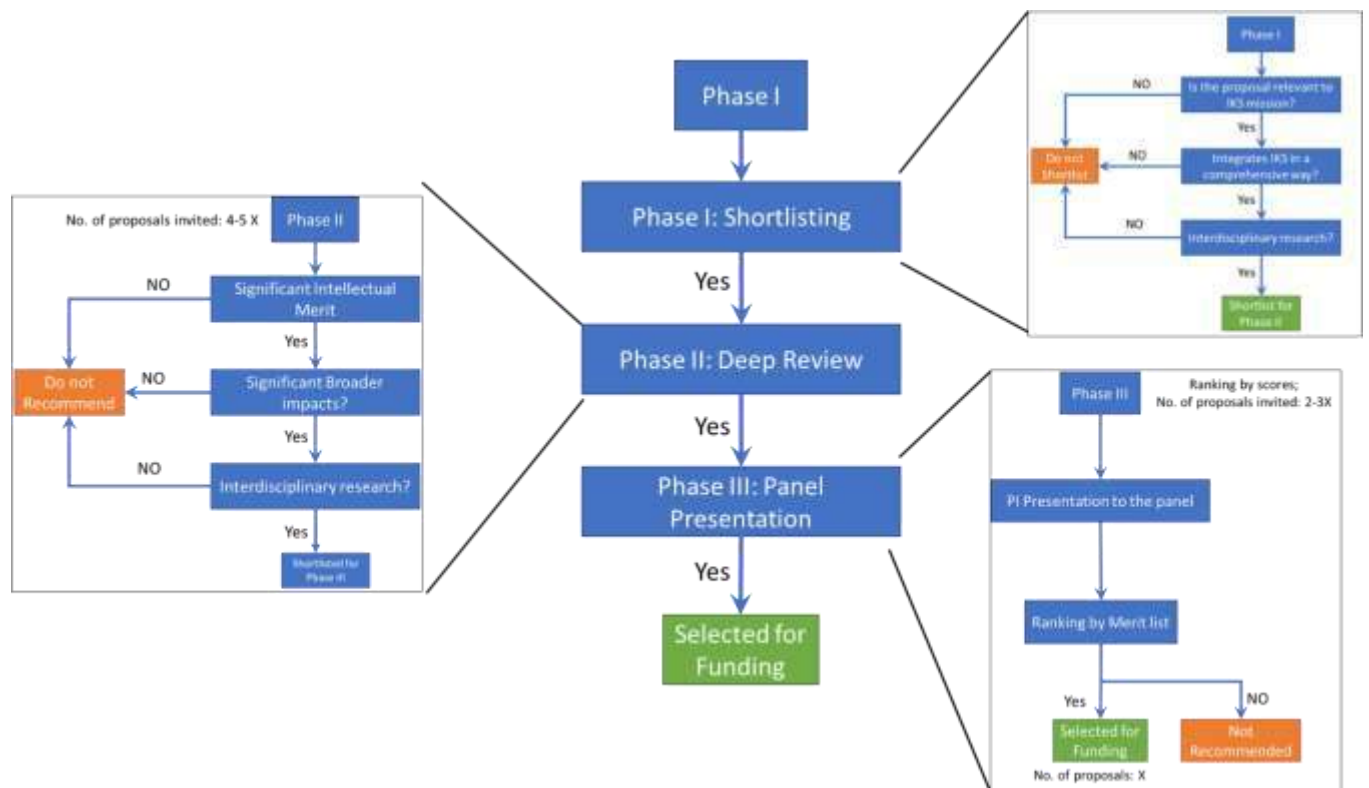


extraordinary circumstances with strong justification and explicit approval from the IKS Division. Maximum equipment/facilities budget cannot exceed 20% of the total budget.

- **Travel and conferences:** Any travel and related expenses to attend domestic conferences within India are allowed in this grant. International travel is explicitly not allowed. The PI's must plan on attending the Annual IKS Symposium/conference. The maximum allowable travel and conference expenses are 5% of the total budget.
  - **Contingencies:** Maximum contingency allowed is 5% of the total budget.
  - **Overhead:** Maximum overhead allowed is 5% of the total budget.
  - **Matching grants:** While not mandatory, institutional support through matching grants or any other financial or in-kind support is encouraged to leverage the scant resources of the IKS division. Please indicate monetary and in-kind support from other sources for this project.
13. Please direct any questions to team IKS ([iksresearch@aicte-india.org](mailto:iksresearch@aicte-india.org)).

## Review Process

1. We will follow a blind three phase peer review process.
2. The rating criteria that will be used by the reviewers are given in the next section.
3. All proposals will be reviewed by multiple independent experts.
4. There will be a presentation before an expert committee for final selection.
5. The PIs in Phase III will receive the average scores for their proposal, and the reviewer comments. The minimum cutoff score for the selected proposals will also be shared in the interest of process integrity and transparency.



**Figure 1. Overview of the three-phase review process**

## Proposal Rating Criteria

The following criteria will be used by the reviewers of your proposal to evaluate and rank your proposal against others. Please think about these questions carefully and answer them clearly in your proposal using the proposal structure specified.

- Are the research plan and goals clearly stated and **understandable**? (10 points)
- Is this project **relevant** to IKS Division's mission and focus areas? (20 points)
- Does the proposed research address a **significant** problem or potential? To what extent is the proposed research **original, innovative, or new**? (20 points)
- Will the results of this study be **useful**? Might they **make a difference**? What are the **economic/environmental/social** benefits of this research? (15 points)
- Does the proposed **budget seem appropriate** for the work to be executed in the project? (10 points)
- Does the PI and the team have necessary competence, prior experience and expertise to undertake the proposed research in the proposed topic? (25 points)

Strength of the proposal (up to 100 words): Please list the specific strengths of the proposal.

Weakness of the proposal (up to 100 words): Please list the specific weaknesses of the proposal if any.

NOTwithstanding the weaknesses do you think that there are some specific reasons due to which the project may still be considered for support?

Summary Statement (up to 100 words): Please indicate whether this proposal should be supported or not.

## Further guidance on proposal preparation

### Considerations in preparing your proposal:

1. The charge of the IKS is to support **research in Indian Knowledge Systems** that will make meaningful contributions to the furtherance of IKS.
2. A good proposal will emphasize how the proposed research is intended to contribute towards the IKS's mission either in the near future or by leading to major developments in the long run. Simply satisfying curiosity or compiling data for a refereed paper will not be in the interest of the IKS Division and will not impress the reviewers.
3. ***The projects must strictly be related to IKS themes.*** Projects which are not within the scope of this solicitation will be rejected in Phase 1 review (internal review process) without any further communication in this regard. Projects must have clear scope that can be completed in two years. The projects must have clear quantifiable deliverables. Writing a comprehensive report is required for all projects. For projects that involve performing arts, a comprehensive multimedia documentation is expected.

**Table 1. Examples of what qualify/do not qualify as an IKS project**

<b>Is an IKS project</b>	<b>Is NOT an IKS project</b>
Study of mortar composition used in older bridges/forts/temples.	Study of bridges and ships in a locality.
Documenting and evaluating the water treatment methods practiced by communities.	Monitoring plastic pollution in a river.
Studying the relevance and applicability of Chanakya's arthashastra is relevant for solving current societal problems.	Studying the economic theories of Adam Smith or MMT.
Study of port construction in Dholavira and Lothal and estimating the capacity of those ports.	Studying ships in a port.
A study of the influence of Sanskrit education on the cognitive abilities of the students.	Visiting schools to see how Sanskrit education is imparted.
Identifying the contextual and etymological meanings of the words (ex. Dharma, nyaya, papa, punya) in a purana for the current societal context.	Enumerating the occurrences of words (ex. Dharma, nyaya, papa, punya) in a purana

4. Clear communication is the key: Proposals that clearly specify the contribution of the research will score higher.
5. Because conveying the results of research to potential users is important, requesting funds for defraying costs of such activities is permitted.
6. We do not fund acquisition or construction of facilities (bricks and mortar). Requests for equipment needed to carry out proposed research are permitted. The proposal must describe your need and specify how the equipment will be used in this specific research. Funding will not be provided to better equip your laboratory or facilitate other work.
7. It may happen that your reviewers could be scholars who may have only a minimal familiarity with the details of your specialized field. Please write your justification, objectives, procedures, and impacts such that a person who may only have a limited background in your area can understand what you are saying – like talking with your next-door neighbor. A proposal that reviewers cannot readily understand is likely to be poorly rated and not funded.
8. While it may be easy for you to cut-and-paste material from another proposal when preparing your IKS proposal, your proposal will be rejected if it is obvious that you have done so. Even if you borrow phrases or ideas (NOT cut and paste) ensure that you proofread your proposal to remove any telltale dates, timelines or references that could serve as a cut and paste “giveaway.”
9. Research that is original and innovative tends to be favored. If appropriate, describe to what extent your proposed study fits this description.
10. Future funding is difficult to predict but tell us how the results of your research might help lead to future grant funding from other sources.
11. Please keep in mind that funds to finance this research are limited. We will make a call on the number of proposals to be funded based on the availability of funds.
12. Please ensure that you cite all your references in your text. Be sure to remove “ghost” references – a citation listed in the text but not the reference section. Web links to general background information may be included in the text for reader edification purposes. All proposals must include at least one primary text in the references. Please do not use web links to journal articles.
13. If you intend to use IKS project funds in concert with other funding to complete a project, be sure to thoroughly describe the other funding source(s) and amount(s) on your budget page. Reviewers are interested in knowing about funds leveraging possibilities.

THE INDIAN KNOWLEDGE SYSTEMS DIVISION OF MoE @ AICTE

## भारतीयज्ञानसंवर्धनयोजना

COMPETITIVE RESEARCH PROPOSAL PROGRAM – 2022-2023

**2022-23 IKS SAMVARDHINI PROPOSAL COVER PAGE** (not included in page limit)

**Proposal title:**

**Lead Researcher (Principal Investigator):**

Name:

Email address:

Phone number:

Academic rank:

Appointment type:

Physical work location:

Academic home department:

**Co-PI(s) (if any):**

**Cooperator(s)/Collaborator(s) (if any):**

**Project Budget Amount:**

I certify that I will lead the project and complete all the tasks outlined in the proposal. I certify that a complete project report will be submitted at the end of the project and the funding support from IKS Division of MoE @AICTE will be acknowledged in any publication resulting from this work.

**Principal Investigator**

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Date

**Principal Investigator Printed Name:**

**2022-23 IKS SAMVARDHINI YOJANA PROPOSAL BODY** *(Ten--page limit; Proposals that exceed the word limits for individual sections will be returned without review)*

**Overview of the project (250 words):** What is the project about? Describe the project idea here.

**Contribution to the IKS Mission (250 words):** How does this project contribute to the IKS mission?

**Justification (500 words):** Please provide a justification for the project and its importance.

**Objectives and timelines (250 words):** Please provide a clear list of specific objectives for this project. One-Three objectives a reasonable for this RFP. Clear and specific objectives will be given higher weightage.

**Project Intellectual merit (250 words):** What is the intellectual merit of this project? Please clearly specify the scientific impact of the project. What are the scientific questions that will be addressed under the proposed research?

**Project broader impacts (250 words):** What are the broader (Societal, economic and environmental impacts?

**Outputs and outcomes of the proposal (250 words):** What are the outputs and outcomes of the project? Please prepare a list of specific outcomes and outputs. DO NOT use paragraphs to describe the outputs/outcomes.

**Procedures (1000 words):** Please provide a summary of the procedures that will be used in this project. While writing the summary of the procedures ensure to provide with adequate references to literature.

**Project team expertise (250 words):** Please tell us about the prior experience of the PI and the Co-PIs in the proposed topic. What are the facilities available to the team to perform the research work outlined in the proposal? Expertise existing with each of the investigators in terms of preliminary results, to execute every component of the proposal should be highlighted.

**Specific roles of Co-PI(s) and Cooperator(s), if listed on cover page (250 words):** What are the specific roles of the team members? The team must include substantial contribution from all members. If the proposal contains more than one investigator, it is important to clearly mention the role of each Investigator in implementing the objectives of the proposal.

**Timelines (100 words):** Indicate timelines for project tasks and schedule of activities giving milestones through BAR diagram.

**References cited** *(not included in the page limit):*

- **Primary References:** Cannot be left blank. Must include at least one primary text. Primary references are the original texts pertaining to the research proposed. These are typically in Sanskrit or other Bharateeya bhasas. The team must have at least one person who can read the primary text without the aid of any translations.
- **Translated primary texts and Secondary References:** These pertain to the translations of the primary texts into various languages including English. Secondary references refer to the texts/articles such as commentaries for the primary texts.
- **Other references:** All other pertinent references are included here.



## **2022-23 IKS BUDGET** *(not included in the page limit – please round all figures to nearest hundred rupees)*

NOTE: Please do not exceed the Rs. 20 Lakhs per project limit. Proposals proposing more than the budget limit will be returned without review and automatically excluded from the review process.

**Salaries:** Include the salaries for the research fellows/project associates in this project. PI or Co-PI salaries/honorariums are NOT supported.

**Supplies:** Includes equipment with an individual piece value less than ₹10,000, i.e. ten temperature sensors or chemical bottles at ₹1000 each are still considered to be supplies. Any service charges for the analysis of samples.

**Equipment/Facilities:** Any non-consumable item with a single piece value less than ₹10,000 or over is considered equipment. Please note that construction of new facilities (Brick and mortar) is not allowed in this project. Acquisition of resource such as books are acceptable under this budget head. Purchase of computers/laptops/printers are allowed only under extraordinary circumstances with strong justification and explicit approval from the IKS Division. Maximum equipment/facilities budget cannot exceed 20% of the total budget (i.e. ₹ 4.0 lakhs)

**Travel and conferences:** Any travel and related expenses to attend domestic conferences within India are allowed in this grant. International travel is explicitly not allowed. The PI's must plan on attending the Annual IKS Symposium/conference. The maximum allowable travel and conference expenses are 5% of the total budget (i.e. ₹ 1.0 lakh)

**Contingencies:** Maximum contingency allowed is 5% of the total budget (i.e. Rs. 1 lakh).

**Overhead:** Maximum overhead allowed is 5% of the total budget (i.e. Rs. 1 lakh).

**Total:**

**Other funding sources (if any):** While not mandatory, institutional support through matching grants or any other financial or in-kind support is encouraged to leverage the scant resources of the IKS division. Please indicate monetary and in-kind support from other sources for this project.

**Resume Format** *(Do not exceed two pages for each investigator. The resumes are not included in the page limit)*

1. Name:
2. Correspondence Address:
3. Email:
4. Contact Numbers:
5. Institution:
6. Academic Qualification:
7. Work Experience (in chronological order):
8. Professional Recognition/Award/Prize/Certificate, Fellowship:
9. Peer Reviewed Publications:
10. Details of Patents (if any):
11. Books/Reports/Chapters/General Articles etc.:
12. Ongoing/completed Projects during the last 5 years:
13. Your competence to undertake this project (Maximum 500 words):
14. Any other information (Maximum 500 words):

## ***Certificate from the Investigator***

*(Not included in the page limit)*

### **Project Title:**

It is certified that

1. The same project proposal has not been submitted elsewhere for financial support.
2. I undertake that spare time on equipment procured in the project will be made available to other users.
- 3 I agree to submit ethical clearance certificate from the concerned ethical committee, if the project involves field trails/experiments/exchange of specimens, human & animal materials etc.
4. The research work proposed in the scheme/project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
5. I agree to abide by the terms and conditions of IKS Division of MoE @AICTE grant.

Signature of the PI

Name of the PI

Affiliation of the PI

Date:

Place:

## ***Endorsement from the Head of the Institution***

*(Not included in the page limit)*

This is to certify that:

1. Certified that the Institute welcomes participation of \_\_\_\_\_ as the Principal Investigator and \_\_\_\_\_ as the Co-Investigator for the project titled \_\_\_\_\_, and that in the unforeseen event of discontinuance by the Principal Investigator, the Principal Co-Investigator will assume the responsibility of the fruitful completion of the project with due information to IKS Division of MoE @AICTE.
2. The date of project starts from the date on which the Institute receives the grant from Indian Knowledge Systems Division of MoE @ AICTE, New Delhi.
3. The investigator will be governed by the rules and regulations of Institute and will be under administrative control of the Institute for the duration of the project.
4. The grant-in-aid by the IKS Division of MoE @AICTE, New Delhi will be used to meet the expenditure on the project and for the period for which the project has been sanctioned as mentioned in the sanction order.
5. No administrative or other liability will be attached to the IKS Division of MoE @AICTE, New Delhi at the end of the project.
6. The Institute will provide basic infrastructure and other required facilities to the investigator for undertaking the research project.
7. The Institute will take into its books all assets created in the above project and its disposal would be at the discretion of the IKS Division of MoE @AICTE, New Delhi.
8. The Institute assumes to undertake the financial and other management responsibilities of the project.

Signature of the Head of the Institution with seal

Date: