# **INDIAN KNOWLEDGE SYTEM CELL**

# ACADEMIC YEAR 2024-25

# **Overview:**

The Indian Knowledge System (IKS) Cell at PRIW is a dedicated initiative to promote and integrate the vast heritage of Indian traditional knowledge with modern education and research. The cell aims to create awareness, inspire innovation, and foster a deeper understanding of India's rich cultural, scientific, and philosophical heritage.

### **Vision**

To bridge the gap between ancient Indian wisdom and contemporary scientific advancements, creating a sustainable and innovative future.

# <u>Mission</u>

- To encourage research and development based on India's traditional knowledge systems.
- To incorporate Indian knowledge principles into modern education curricula.
- To foster interdisciplinary collaborations and provide a platform for the dissemination of traditional wisdom.
- To instill a sense of pride and awareness about India's contribution to global knowledge.

# • Workshops and Seminars:

Organizing events to highlight the relevance of ancient Indian texts, sciences, and philosophies.

# • Research Projects:

Encouraging research that integrates traditional knowledge with modern technological applications.

# • Publications and Resources:

Publishing articles, journals, and books that document and explore Indian knowledge systems.

# • Collaborations:

Partnering with academic institutions, research bodies, and cultural organizations to further the mission of the cell.

#### • Student Engagement:

Conducting competitions, exhibitions, and projects for students to explore and apply Indian knowledge principles.

#### **Focus Areas**

The Indian Knowledge System (IKS) has greatly influenced engineering and technology. Contributions to mathematics, such as the concept of zero, laid the foundation for modern computational engineering. Sustainable practices, like rainwater harvesting, are rooted in IKS, and traditional medicine and materials science offer insights into biomedical engineering. Today, the Indian Knowledge System continues to influence fields such as:

### • Computer Science Engineering:

Algorithms inspired by traditional logic and computational methods.

# • Sustainable Engineering:

Techniques like rainwater harvesting and green construction.

# • Materials Science:

Discoveries from ancient metallurgy and material usage.

# • Renewable Energy:

Solar and wind energy innovations rooted in sustainable practices.

#### • AI & ML Engineering:

Integrating traditional knowledge for ethical AI systems.

# • Bioengineering:

Insights from traditional medicine and Ayurveda.

Modern Indian engineers combine traditional knowledge with cutting-edge technologies, such as solar energy innovations and green architecture, demonstrating

how the fusion of ancient wisdom and contemporary science can lead to sustainable solutions in the engineering sector.

The IKS Cell welcomes students, faculty, and researchers from all disciplines to actively participate in its initiatives. Whether you are a history enthusiast, a budding researcher, or someone curious about India's contributions to the world, there is a place for you at the IKS Cell.

The Indian Knowledge System (IKS) Cell is an initiative to promote and integrate India's traditional knowledge systems into modern education and research. Here are the objectives and activities of the IKS Cell:

### **Objectives**

1. **Documentation and preservation**: Document and preserve India's traditional knowledge systems, including ancient texts, oral traditions, and cultural practices.

2. **Promoting interdisciplinary research**: Encourage interdisciplinary research that integrates traditional Indian knowledge with modern sciences and humanities.

3. **Developing curriculum and courses**: Develop curriculum and courses that incorporate Indian knowledge systems into various disciplines, such as science, technology, engineering, and mathematics (STEM), humanities, and social sciences.

4. **Capacity building and training**: Provide training and capacity-building programs for educators, researchers, and students to develop expertise in Indian knowledge systems.

5. **Community engagement and outreach**: Engage with local communities, indigenous groups, and other stakeholders to promote the relevance and significance of Indian knowledge systems.

# **Activities**

1. Workshops and conferences: Organize workshops, conferences, and seminars to bring together scholars, researchers, and practitioners to share knowledge and expertise.

2. **Research projects and collaborations**: Initiate and support research projects that integrate Indian knowledge systems with modern disciplines, and collaborate with national and international institutions.

3. **Development of educational materials**: Create educational materials, such as textbooks, monographs, and digital resources that incorporate Indian knowledge systems into various subjects.

4. Lectures and public talks: Invite experts to deliver lectures and public talks on various aspects of Indian knowledge systems.

5. **Community outreach programs**: Develop and implement community outreach programs to promote the appreciation and understanding of Indian knowledge systems among diverse audiences.

6. **Digital archiving and documentation**: Create digital archives and document traditional Indian knowledge systems, including texts, images, and audio-visual materials.

7. Fellowships and awards: Offer fellowships and awards to scholars and researchers working on projects related to Indian knowledge systems

The Indian Knowledge System Cell of the college is constituted with the following members for the academic year 2023-2024 are.

S. No	Name of the Faculty	Designation	Role in the
			committee
1	Dr. B. Gopal	Principal	Chairman
2	Mr. N. Sathish	Asst. Professor, Dept of CSE	Coordinator
3	Mrs. S. Neeraja	Asst. Professor, Dept of ECE	Member
4	Mrs. Md. Nazia	Asst. Professor, Dept of MBA	Member
5	Mr. A. Rambabu	Asst. Professor, Dept of CSE	Member
6	Mr. G. Suresh	Asst. Professor, Dept of CSE	Member
7	Ms. D. Ameena	Student	Member
8.	Ms. S. Srihitha	Student	Member

#### CONSTITUTION OF ENTREPRENEURSHIP DEVELOPMENT CELL

### **CIRCULAR**

#### PRIW/IKS/2024-25/52

#### Date: 12-02-2025

It is hereby informed to all the IKS CELL members to attend the meeting at 11.00 A.M. today in the Mini Seminar Hall.

#### **AGENDA:**

- Discussions on constitution of IKS.
- To conduct "Janapadam theatre Repertory-Antharnataka"

Chairman IKS CELL

Copy to:

- > All committee members
- ➢ The Chairman
- ≻ File

#### Minutes Of Meeting of IKS CELL Held On

#### Time: 11:00 A.M. Venue: Mini Seminar Hall

#### The following members attended the meeting of grievance Redressal committee:

S. No	Name of the members	Designation	Role in the Committee	Signature
1	Dr.B.Gopal	Principal	Chairman	
2	N.Sathish	Assistant- Professor	Co-ordinator	
3	G.upender	Assistant- Professor	Member	
4	T.Raghuram	Assistant- Professor	Member	
5	A.Rambabu	Assistant- Professor	Member	
6	G.Suresh	Assistant- Professor	Member	
7	MD.Hameena	Student-III AI&DS	Member	
8	S.Srihitha	Student – III CSE	Member	

### Points discussed during meeting:

> Chairman addressed the meeting initially.

#### Chairman

#### **IKS CELL**