OFFICE OF THE PRINCIPAL

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Date: 14.11.2026

Sub: Constitution and Establishment of the Indian Knowledge Systems (IKS) Cell – Reg.

In accordance with the vision and recommendations of the **National Education Policy (NEP) 2020** and the initiatives of the Ministry of Education, Government of India, the institution hereby establishes the **Indian Knowledge Systems (IKS) Cell** with the objective of promoting, preserving, documenting, researching and integrating India's rich traditional knowledge, intellectual heritage, scientific contributions, cultural traditions and indigenous practices into higher education.

The establishment of the IKS Cell is intended to create awareness among students and faculty members about India's contributions to various fields of knowledge, including science, technology, engineering, mathematics, medicine, agriculture, architecture, astronomy, philosophy, literature and environmental conservation.

The Cell shall facilitate interdisciplinary learning, research, innovation and knowledge exchange by connecting traditional Indian knowledge systems with contemporary scientific developments and technological advancements.

Accordingly, the **Indian Knowledge Systems (IKS) Cell** is hereby constituted with the following objectives, composition and responsibilities.

1. Objectives of the IKS Cell

The major objectives of the IKS Cell are as follows:

1. To promote awareness and appreciation of India's rich and diverse traditional knowledge systems.
2. To facilitate the integration of relevant Indian Knowledge Systems into teaching, learning and academic activities.
3. To encourage research and innovation based on India's contributions to science, mathematics, engineering and technology.
4. To organise seminars, conferences, workshops, guest lectures, exhibitions and other knowledge-sharing activities.

5. To identify, collect, preserve and document traditional knowledge, indigenous technologies and cultural practices.
6. To promote interdisciplinary research connecting traditional Indian knowledge with modern science, engineering and technology.
7. To inculcate Indian heritage, cultural awareness, ethical principles and value-based education among students.
8. To establish collaborations with universities, research institutions, government agencies and organisations working in the area of Indian Knowledge Systems.
9. To encourage students to undertake projects, field studies and research activities relating to Indian heritage and indigenous innovations.

2. Composition of the IKS Cell

The Indian Knowledge Systems (IKS) Cell shall comprise the following members:

S. No.	Name	Designation	Role
1	Dr. M. Ashok	Principal	Chairperson
2	Mr. B. Shankar	Asst. Professor English	Coordinator
3	Mrs. M. Chandana	Asst. Professor CSE (DS)	Co-Coordinator
4	Ms. J. Vaishnavi	Asst. Professor CSE (AI&ML)	Member
5	Dr. Praveen Chouksey	Associate Professor CSE	Member
6	Dr. T. Sathyanarayana	Associate Professor ECE	Member
7	Mr. M. Omkar Rao	Student Representative	Member
8	Ms. Rani Kumari	Student Representative	Member
9	Ms. M. Deepika	Student Representative	Member
10	Ms. G. Sai sreenithya	Student Representative	Member

The Principal shall be the Chairperson of the IKS Cell and shall provide overall guidance and administrative support for its effective functioning. The Coordinator shall be responsible for planning, organising and monitoring the activities of the Cell.

3. Roles and Responsibilities of the IKS Cell

The IKS Cell shall undertake the following activities:

1. Organise awareness programmes on Indian Knowledge Systems and their relevance to contemporary education.
2. Encourage faculty members to incorporate relevant IKS concepts into curriculum delivery, wherever academically appropriate.

3. Promote student projects and research activities based on traditional Indian knowledge and indigenous technologies.
4. Facilitate documentation of traditional practices, indigenous innovations and India's scientific and technological heritage.
5. Organise interactions with scholars, experts, historians, traditional knowledge practitioners and researchers.
6. Identify opportunities for collaborative research and academic partnerships in the field of IKS.
7. Encourage participation in national-level IKS programmes, competitions, conferences and research initiatives.
8. Maintain proper records, reports, photographs, attendance and other documentary evidence of all activities conducted by the Cell.

4. Areas of Focus and Major Activities

The Cell shall focus on the following thematic areas:

1. **Indian Mathematics:** Ancient Indian mathematics, Vedic Mathematics, contributions of Aryabhata, Brahmagupta, Bhaskara and other mathematicians.
2. **Science and Technology:** Ancient Indian scientific discoveries, metallurgy, materials science and indigenous technological developments.
3. **Architecture and Engineering:** Traditional Indian architecture, temple engineering, structural design and construction techniques.
4. **Traditional Healthcare:** Ayurveda, Yoga, Siddha and other traditional Indian healthcare systems.
5. **Agriculture and Water Management:** Traditional agricultural practices, irrigation systems, rainwater harvesting and indigenous water conservation techniques.
6. **Language and Literature:** Sanskrit, classical Indian literature, ancient texts and knowledge traditions.
7. **Astronomy and Cosmology:** Contributions of ancient Indian astronomers and traditional astronomical knowledge.
8. **Environmental Sustainability:** Traditional ecological practices, biodiversity conservation and sustainable resource management.

9. **Philosophy and Ethics:** Indian philosophical traditions, moral values, ethics and value-based education.
10. **IKS and Modern Engineering:** Exploring the relevance and application of traditional Indian knowledge in contemporary engineering, emerging technologies and sustainable innovations.

5. Implementation and Monitoring Mechanism

To ensure the effective functioning of the IKS Cell, the following implementation mechanism shall be adopted:

1. **Annual Activity Plan:** The Cell shall prepare an annual activity calendar at the beginning of every academic year.
2. **Regular Activities:** A minimum of one meaningful IKS-related programme shall be organised every semester.
3. **Student Participation:** Students shall be encouraged to participate in IKS-related activities, projects, competitions and research initiatives.
4. **Faculty Involvement:** Faculty members shall be encouraged to identify and integrate relevant IKS themes into academic and research activities.
5. **Documentation:** All activities shall be supported by proper documentation, including notices, circulars, attendance sheets, reports, photographs and feedback.
6. **Collaboration:** The Cell shall explore opportunities for collaboration with external experts, institutions and organisations working in the field of IKS.
7. **Review and Evaluation:** The Coordinator shall periodically review the progress of activities and submit the status of implementation to the Principal.
8. **Annual Report:** An annual report highlighting the activities, achievements, student participation, research initiatives and future action plans shall be submitted to the Principal.

6. Responsibilities of the Coordinator

The Coordinator of the IKS Cell shall:

- Convene meetings of the Cell and maintain the minutes of the meetings.
- Prepare and implement the annual activity calendar.
- Assign responsibilities to members for organising various activities.

- Coordinate with Heads of Departments, faculty members and student representatives.
- Maintain all records and documentary evidence relating to IKS activities.
- Monitor the progress of planned activities and ensure timely implementation.
- Submit periodic progress reports and the annual report to the Principal.

7. General Instructions

1. All Heads of Departments shall extend necessary cooperation for the effective implementation of IKS activities.
2. Faculty members and students are encouraged to actively participate in the initiatives undertaken by the Cell.
3. The Cell may invite external experts, scholars and resource persons for academic interactions and knowledge-sharing programmes.
4. Any changes in the composition of the Cell shall be made with the approval of the Principal.
5. The Cell shall function in accordance with the institutional policies and applicable guidelines issued by the Ministry of Education and other competent authorities.

The above-mentioned Indian Knowledge Systems (IKS) Cell shall come into effect from the date of this notification and shall function until further orders.

All concerned are hereby informed to extend their cooperation for the successful establishment and effective functioning of the Cell.

PRINCIPAL
CMR Engineering College
Hyderabad, Telangana