

# Sanskriti & Science

*Perspectives on Indian Knowledge System*

॥ तमसो मा ज्योतिर्गमय ॥

A Research Initiative by

Avinash College of Commerce

Himayatnagar, Hyderabad



Editor in Chief

*Dr. Zaker Ul Oman*

Associate Editor

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# Sanskriti and Science: Perspectives on the Indian Knowledge System

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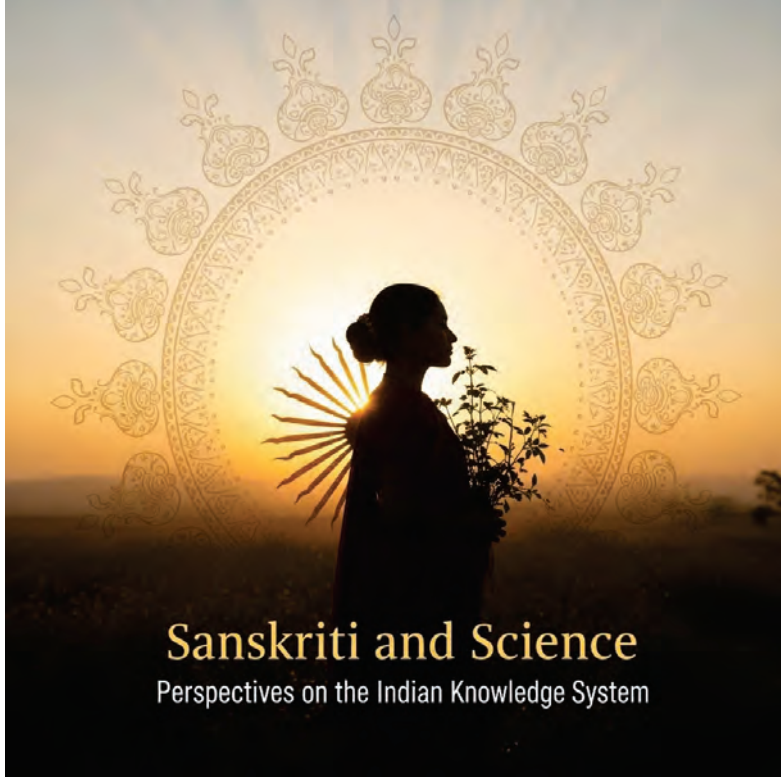
IKS Cell, Avinash College of Commerce, Himayathnagar,  
Hyderabad, Telangana, India



**DeepScience**

# **SANSKRITI AND SCIENCE**

**Perspectives on the Indian Knowledge System**



**Dr. Zaker Ul Oman**

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### **About Avinash Group of Institutions**

Avinash College of Commerce, established in 2013 and affiliated with Osmania University, has emerged as a pioneering institution offering a unique blend of commerce, business, and professional education under one roof. With over 12 campuses, the college provides diverse undergraduate programs such as B.Com and BBA integrated with global professional courses like CA, CMA, CS, and ACCA. Its modular, industry-aligned curriculum is designed to enhance students' analytical, leadership, and communication skills. Equipped with modern classrooms, ICT-enabled labs, and collaborative learning environments, the institution emphasizes holistic development through academic rigor, research, soft skill training, and experiential learning.

**Vision:** "To be a leading institution in commerce education that inspires and equips students with the knowledge, entrepreneurial mindset, and ethical values to excel in their careers and contribute meaningfully to society. We envision a future where every student emerges as a confident, competent, and innovative leader, ready to navigate the challenges of a dynamic global economy."

**Mission:** "Our mission is to provide a worldclass commerce education that blends academic excellence with practical exposure, industry engagement, and holistic development. Through a student centric approach, innovative pedagogy, and a strong ethical foundation, we strive to nurture individuals who are resourceful, resilient, and future ready. We are committed to fostering critical thinking, leadership, and lifelong learning so that every student succeeds in life, achieving personal fulfilment and professional excellence."

The college has developed strong industry connections and boasts a dedicated Career Readiness & Training (CRT) cell to prepare students for successful placement outcomes. With a 98% placement rate and partnerships with top recruiters like Amazon, ADP, Axis Bank, and Wipro, graduates secure competitive roles across industries. The institution's vision, led by founder Avinash Brahmadevara, is to shape globally competent commerce professionals through ethical practices, innovation, and community engagement. Faculty excellence, interdisciplinary learning clusters, and a robust R&D ecosystem further strengthen its standing as a progressive hub for commerce education in India.

### **About Avinash College of Commerce, Himayathnagar**

With over 20,000+ students enrolled in a various undergraduate programs and strong student-faculty relationships, the Avinash college of Commerce is a comprehensive, student-centric Commerce and Management consortium led by an outstanding, award-winning Chairman, Dr. Avinash Brahmadevara Garu and dynamic teaching staff. To promote teaching, learning, research, and innovation in the academics throughout our entire teaching fraternity, our college cultivates a unique culture of excellence.

We, at Avinash College, is all set to revolutionize Commerce and Management Education, and offer a wide range of career options to the current generation in this evergreen industry with abundant job opportunities. Our college is the only one in India to provide over 25 global finance courses under one roof, offering an alternative to the popular degrees such as engineering and medicine. The Avinash College of Commerce, Himayathnagar branch was established in 2019 as the third branch of our Avinash Group of Institutions, exemplifies our commitment to highest possible quality education and academic excellence. Equipped with modern infrastructure, we offer 24 comprehensive programs like Bachelor of Commerce (B.Com) and Bachelor of Business Administration (BBA) including various streams, blending theory with practical application. The college emphasizes holistic student development through extracurricular activities and sports,



*fostering all-rounder individuals. Our accomplished alumni reflect the institution's impact across various industries, inspiring current students.*

### **About Research & Development Cell**

*The Research and Development (R&D) Cell established in the year 2022, with the prime motive of fostering a robust research environment. Since, 3 years of its establishment, the R&D Cell has situated a strong research team, achieving significant milestones, such as the faculty members have published 50+ research articles in reputed journals, including those indexed in Scopus, UGC Care, ABDC, Web of Science and other international databases. Additionally, the faculty has authored over 20 academic books with ISBN, published by national and international publishers. The team's research efforts have been recognized with 10 National and International Awards. The R&D Cell has also signed 6 Memorandums of Understanding (MOUs) and organized over 10 collaborative activities with various institutions. Looking ahead, the Cell plans to establish a recognised Research Centre under UGC in collaboration with Osmania University (OU), aimed at supporting the diverse research community, offering guidance to research scholars, and conducting major research projects. R&D Cell has conducted the 4<sup>th</sup> International Conference on "Perspectives on Business Management, Economics, and Information Technology (PBMEIT)" on 22<sup>nd</sup> & 23<sup>rd</sup> February 2025, which is one of the biggest achievements of the college as the conference hosted online to foster global knowledge sharing platform where total 114 articles were submitted in which 84 articles were submitted by our students at Avinash College of Commerce, Himayathnagar.*

*The R&D Cell envisions a dynamic and future centric academic ecosystem by setting ambitious long-term goals aimed at fostering a culture of innovative research practice. Key initiatives include the launch of a peer-reviewed institutional research journal to disseminate original scholarships, and the formation of interdisciplinary research clusters in domains such as Finance, Commerce, Business Management, Data Science, and Entrepreneurship to encourage collaborative inquiry.*

### **IKS Cell – Avinash College of Commerce**

*The Indian Knowledge System (IKS) Cell at Avinash College of Commerce, HTN Branch has been established with the vision of promoting and integrating India's rich intellectual heritage into emerging education practice. The Cell actively engages in collaborating the students and faculty in research (5 papers published), projects (350+ Projects submitted by students), seminars, and publications that explore diverse dimensions of IKS including philosophy, science, history, literature, economics, medicine, and sustainability.*

*By mandating projects based on IKS for students and encouraging scholarly contributions from faculty, the Cell has created a vibrant ecosystem of inquiry and innovation rooted in Indian traditions. The IKS work has been recognized and appreciated at both institutional and by the Ministry of Education IKS Department, the IKS Cell continues to foster academic excellence while aligning with the National Education Policy (NEP) 2020 to inculcate values, cultural pride, and holistic learning among students.*

## **Message from the Chairman's Desk**



**Dr. Avinash Brahmadevara (CA,CS,CMA)**

*Chairman*

*Avinash Group of Institutions*

*It gives me an immense pride to witness the publication of the edited book titled “**Sanskriti and Science: Perspectives on the Indian Knowledge System**”. This volume is a remarkable initiative that bridges India's glorious past with the aspirations of the present and the promise of the future rooted glorious ancient India.*

*The **Indian Knowledge System (IKS)** carries centuries of wisdom, innovation, and cultural depth, offering insights that has remain highly relevant in today's rapidly evolving technology and emerging world. By integrating the India's timeless principles with contemporary education and latest trends in research, we nurture not only academic excellence but also a strong sense of identity, ethics, values, and purpose among our students.*

*I sincerely appreciate the efforts of the Editorial Team, contributors, and all those who have worked tirelessly to bring this book to reality. **This endeavour reflects our institution's commitment that promotes research, innovation, and holistic education** in alignment with the vision of the Government of India and the objectives of National Education Policy 2020.*

***May this book inspire academicians, scholars, and learners to delve deeper into India's intellectual heritage** and contribute to a knowledge society rooted in wisdom, sustainability, and progress.*

*With best wishes.*

## **Message from the Principal's Desk**



**Dr. YSS Savitri Devi**

*Principal*

*Avinash College of Commerce, Himayathnagar, Hyderabad, Telangana, India*

*I extend my heartfelt congratulations to the editorial team on the publication of the edited volume titled “**Sanskriti and Science: Perspectives on the Indian Knowledge System**”. This scholarly work is a testament to our institution’s commitment to nurturing research culture, promoting academic excellence, and preserving the rich intellectual traditions of ancient India.*

*The IKS Cell, with its profound insights into **philosophy, science, medicine, education, arts, and sustainability**, continues to hold immense relevance in shaping contemporary thought and practice. By **encouraging our faculty and students to engage in IKS-focused research**, we not only align with the vision of the National Education Policy (NEP) 2020 but also inspire future generations to take pride in our rich culture and intellectual heritage of our country.*

*I sincerely appreciate the efforts of the Editorial Team and contributors who have worked with dedication to make this publication possible. I am confident that **this book will serve as a valuable resource** for academicians, researchers, and learners, fostering deeper engagement with India’s timeless wisdom.*

*With best regards*



## Message from the Spiritual Guide



**Shri. Vishwas shastri Ghodajkar guruji**  
Director - Shri Durga Ved - shastra Pathshala

The inner journey of the mind is called Jñāna (ज्ञान), while the outer journey of the mind is called Vijnāna (विज्ञान). This distinction between Knowledge and Science is well-documented and preserved in our earliest scriptures, including the Upanishads and the Mahabharata. Eminent saints such as Sant Dyaneshwar, Samarth Ramdas Swami, and Goswami Tulsidas have endorsed and elaboratively discusses upon this understanding in their respective research. In emerging terms, this distinction parallels the difference between Knowledge (the inner assimilation of truth) and Information (the outer expression and application of that truth), our culture (Sanskriti) is a vast and integrated ocean encompassing history, sacred geography, revered deities, religion, the wisdom of ancestors, and the sacred rivers — Ganga, Yamuna, Saraswati, Narmada are blending harmoniously. The integration of Knowledge and Culture was envisioned by our ancestors as a guiding ideal for humanity:

"कृण्वन्तो विश्वं आर्यम्" (Shri Veda Bhagavan)

एतद्देश प्रसूतस्य, सकाशादग्रजन्मनः ।

स्वं स्वं चरित्रं शिक्षेरन्, पृथिव्यां सर्वमानवाः ॥

(Manusmṛti)

"स्वस्त्यस्तु विश्वस्य, खलः प्रसीदताम्" (Shri Bhagavata)

This elevated intellectual and spiritual journey — which commenced with the Vedas and was refined through the contributions of saints, philosophers, and scholars — represents not only our cultural heritage but also our collective future vision. While this thought was disrupted by foreign invasions and socio-political challenges, **the Indian Knowledge System (IKS) is now reviving and reinforcing this intellectual current with renewed strength and purpose.**

As part of this important revival, the book "**Sanskriti and Science**" is being published. This volume is a scholarly compilation of 31 research papers authored by 100+ distinguished authors including scholars, industry experts, faculty and students, stands as a testament to the spirit of research, synthesis, and dissemination of Indian knowledge traditions. The editorial efforts of Shri Aditya Hemantrao Akolkar and his dedicated team in compiling and presenting this work are indeed commendable and deserving of high academic appreciation. May such contributions continue to inspire scholarship, research, and service to the nation in the years to come.

This is my humble prayer at the lotus feet of the Divine Mother.

## **Message from the Editor-in-Chief**



**Dr. Zaker Ul Oman**

*Associate Professor & Head, R&D Cell.*

*Avinash College of Commerce, Himayathnagar, Hyderabad, Telangana, India*

*I take privilege to present the edited volume “**Sanskriti and Science: Perspectives on the Indian Knowledge System**,” which brings together a wide spectrum of scholarly contributions from academic faculty, industry experts and students exploring the depth and contemporary relevance of IKS.*

*The **diversity of papers and contribution of 115 authors** reflects the richness of themes and the academic passion of our contributors. The book covers domains as varied as **Ayurveda, Vastu Shastra, Leadership Studies, Cosmology, Feminist Perspectives, Education, Sustainability, Arts, and Literature**, highlighting the truly multidisciplinary nature of the Indian Knowledge System.*

*I extend my heartfelt appreciation to all the esteemed authors and researchers whose original and insightful works form the backbone of this volume. Your dedication to exploring and reinterpreting IKS has not only enriched this publication but also strengthened the vision of integrating traditional knowledge into contemporary academic discourse, as emphasized by the **National Education Policy (NEP) 2020**.*

*As the Editor-in-Chief, I sincerely thank the Associate Editor and Head of IKS Cell Mr. Aditiya Hemantrao Akolkar for his unwavering dedication to bring this idea into the reality, Chairman Dr. Avinash Brahmadevara, Principal Dr. YSS Savitri Devi, contributors, and the management of Avinash College of Commerce for their constant support and encouragement. I sincerely acknowledge sincerely thank the HOD Dr. Uma Bakshi for writing an effective preface for the book.*

*I am confident that this book will serve as an inspiration to students, researchers, and academicians to engage further in “**Research on India’s Timeless Wisdom**.”*

*With best regards*

## **Message from the Associate Editor**



**Mr. Aditya Hemantrao Akolkar**

*Associate Professor & Head, IKS Cell.*

*Avinash College of Commerce, Himayathnagar, Hyderabad, Telangana, India*

*It gives me immense pleasure to present this edition on the Indian Knowledge System (IKS), published by Avinash College of Commerce, Himayathnagar, Hyderabad. The **Indian Knowledge System, rooted in our timeless Vedic wisdom**, has always emphasized holistic development, ethical living, and the integration of science, spirituality, and values in education.*

*In today's rapidly changing world, where modern education often focuses primarily on technical skills, the revival and integration of IKS into our academic framework has become a necessity. It not only connects us with our glorious past but also provides sustainable solutions for the challenges of the present and future.*

*This book is a humble step in that direction. It is designed to inspire young minds, encourage critical thinking, and instil in students a sense of pride in India's intellectual and cultural heritage.*

*I sincerely thank the **IKS Central Department of India for their vision and guidance**, and I express my gratitude to the Editor-in-Chief Dr. Zaker Ul Oman for accepting the initiative of leading this edited volume and appreciate Principal Dr. YSS Savitri Devi, HOD Dr. Uma Bakshi, Management, Faculty, and Students for their contributions and support in making this publication a reality.*

*May this effort serve as a guiding light for future generations, reminding us that **"Knowledge is not only for livelihood, but for the betterment of humanity"**.*

*"भारतीम् आराधयामो, भारतीम् आराधयामः"*

*With best wishes,*

## **Preface**



**Dr. Uma Bakshi**

*Head, Department of Commerce,  
Avinash College of Commerce, Himayathnagar, Hyderabad, Telangana, India*

*It gives us immense satisfaction to present this compilation of research papers on Indian Knowledge Systems (IKS) authored by students and faculty of Avinash College of Commerce, along with esteemed academicians from other institutions. This volume stands as both a testament to the spirit of inquiry and an effort to highlight the continued relevance of India's intellectual traditions while fostering a critical engagement with the wisdom of our cultural heritage. The act of research and academic writing holds a central place in higher education. It is through systematic inquiry and scholarly articulation that knowledge is preserved, disseminated, and reinterpreted for changing contexts. When directed towards the study of Indian Knowledge Systems, such efforts not only strengthen our understanding of history but also affirm the cultural and philosophical foundations upon which contemporary society stands.*

*The present collection comprises 31 papers that span a wide spectrum of disciplines and perspectives. The contributions explore ancient practices in trade, irrigation, and agriculture; the philosophical depth of the Upanishads and the Bhagavad Gita; the healing sciences of Ayurveda; and the educational role of Sanskrit as a language of knowledge. Studies on architecture and design that ranging from the principles of Vastu Shastra to the architectural brilliance and spiritual significance of the Ellora Caves which demonstrate the synthesis of science, aesthetics, and spirituality in Indian traditions. Equally significant are the papers that engage with contemporary concerns, examining AI, sustainability, feminist thought, and organizational leadership through the lens of IKS. This diversity of themes reflects not only the richness of the IKS but also its enduring present capacity to address the moral, social, and intellectual challenges.*

*We extend our appreciation to the contributors for their rigorous scholarship and to the faculty mentors for their guidance in nurturing this academic endeavor. It is our hope that this volume will serve as a valuable reference for students, scholars, and practitioners, and that it will inspire further exploration into the multifaceted dimensions of Indian Knowledge Systems. Avinash College of Commerce takes great pride in supporting and presenting this initiative, reaffirming its commitment to promoting research, scholarship, and the preservation of India's rich intellectual heritage.*

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