



(Shri Ramkrishna Seva Mandal's)  
**ANAND COMMERCE COLLEGE**

An Autonomous College (2025-26 to 2034-35)  
(Affiliated to Sardar Patel University)  
NAAC ACCREDITED "A" GRADE (3.04 CGPA)  
ISO 9001:2015



Syllabus as per NEP 2020 with effect from the Academic Year 2025-2026

## Bachelor of Computer Applications

BCA Semester – I

<b>Course Code</b>	UCA01IKBCA08A	<b>Title of the Course</b>	Indian Knowledge Systems: Insights from Bharat
<b>Total Credits of the Course</b>	2	<b>Hours per Week</b>	2

<b>Course Objectives</b>	<ol style="list-style-type: none"><li>1. To explore Bhartiya spiritual thinking, life philosophy rooted in Shastras, and introduce various Indian Knowledge Systems (IKS) with their relevance to unity and lifestyle.</li><li>2. To introduce the global contributions of Indian Knowledge Systems (IKS) in mathematics, astronomy, life sciences, indigenous technologies, Ayurveda, literature, and aesthetics.</li><li>3. To study the core principles of Chanakya Niti, focusing on Kautilya's theories of governance, economy, justice, war, and their relevance to modern economic and administrative systems.</li></ol>
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Course Content		
Unit	Description	Weightage* (%)
1.	<b>Spiritual Bharat and Introduction to IKS</b> <ul style="list-style-type: none"><li>• Concept of Bhartiya Spirituality and Meaning and Importance of IKS-</li><li>• Bhartiya Spiritual Thinking Leading to Unity</li><li>• Bhartiya Philosophy of Life Derived from Shastras and its implication for Bhartiya Life Style.</li><li>• Introduction to Various Indian Knowledge Systems.</li></ul>	<b>35%</b> <b>11 Hr.</b>
2.	<b>Contribution of IKS to the World</b> <ul style="list-style-type: none"><li>• Bhartiya Contribution in Mathematics and Astronomy</li><li>• Bhartiya Wisdom related to Life Science: Physics, Chemistry, Botany.</li></ul>	<b>35%</b> <b>11 Hr.</b>

	<ul style="list-style-type: none"> <li>Indigenous tools and technologies for town planning and temple.</li> <li>Ayurveda : Concept, Branches, Books and Pioneers</li> <li>Bhartiya Literature and Bhartiya Theory of Aesthetics and Rasa</li> </ul>	
3.	<p><b>Chankya (kautilya) Niti</b></p> <ul style="list-style-type: none"> <li>Saptang Theory of kautilya</li> <li>Mandala Theory of Kautily</li> <li>Law, Administration of Justice</li> <li>Foreign Policy</li> <li>Agriculture, Mining ,Leisure activities etc.</li> <li>Salary scales of Officials</li> </ul> <p>Preparation of Wars Economic Policy Relevance to Modern Economics</p>	<p><b>30%</b> <b>08 Hr.</b></p>

<b>Teaching-Learning Methodology</b>	Lecture-cum-discussion, Group Discussion, Presentations, Seminars, tutorials, Research Exercises
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<b>Course Outcomes:</b> Having completed this course, the learner will be able to	
CO1	Understand how Bhartiya spirituality fosters unity, grasp the Shastric foundations of Indian lifestyle, and gain introductory knowledge of key Indian Knowledge Systems.
CO2	Understand the scientific, technological, medical, and cultural contributions of Bhartiya knowledge, including key achievements in Ayurveda, town planning, sciences, and literary aesthetics.
CO3	Gain insights into Kautilya's Saptang and Mandala theories, policies on law, administration, war, economy, agriculture, and official structure, with an understanding of their applicability in the modern context.

<b>Suggested References:</b>	
<b>Sr. No.</b>	<b>References</b>
1.	જયેન્દ્ર દવે.. (૧૯૮૬). ભારતીય ચિંતકોનું ચિંતન શિક્ષણ.અમદાવાદ: યુનિવર્સિટી ગ્રંથ નિર્માણ બોર્ડ
2.	જુગલ કિશોર શર્મા. (૨૦૦૦). પુષ્પ ભૂમિ ભારત. કર્ણાવતી: સાધના પુસ્તક પ્રકાશન
3..	સ્વામી વિદિતાત્માનાનંદજી . (૧૯૯૪). ભારતને ઓળખીએ. અમદાવાદ: રિલાયબલ પબ્લિકેશન.
4	Singh, A. P., & Yagnik, S. (Eds.). (2019). Indian Knowledge Systems: Understanding the Human Uniqueness. Springer
5	Frawley, D., & Ranade, S. (2001). Ayurveda, Nature's Medicine. Lotus Press.
6	Lad, V., & Frawley, D. (1986). The Yoga of Herbs: An Ayurvedic Guide to Herbal Medicine. Lotus Press.
7	Dasgupta, S. (1947). A History of Indian Philosophy. Cambridge University Press.
8	Pollock, S. (2006). The Language of the Gods in the World of Men: Sanskrit, Culture, and Power in Premodern India. University of California Press.
9	Sarma, K. V. (2008). Indian Astronomy: A Source-Based Approach. National Council of Education Research and Training
11	Mahdihassan, S. (1982). Ancient Indian Botany: Its Bearing on Art and Literature. Deccan College Post-Graduate and Research Institute.
12	Khandelwal, N. M., & Chauhan, P. S. (2023). Indian knowledge system. Himalaya Publishing House.
13	Kauṭilya. (2021, January 10). Arthashastra. Fingerprint Publishing. ISBN: 9789354403705
<b>Digital resources to be used if available as reference material</b>	
<b>Digital Resources</b>	
<ul style="list-style-type: none"> <li>Indian Knowledge Systems Vol 1 <a href="https://iks.iitgn.ac.in/wp-content/uploads/2016/01/Indian-Knowledge-Systems-Kapil-Kapoor.pdf">https://iks.iitgn.ac.in/wp-content/uploads/2016/01/Indian-Knowledge-Systems-Kapil-Kapoor.pdf</a></li> <li><a href="http://www.indianscience.org/index.html">http://www.indianscience.org/index.html</a></li> <li>Traditional Knowledge Systems of India <a href="https://www.sanskritimagazine.com/india/traditional-knowledge-systems-of-india/">https://www.sanskritimagazine.com/india/traditional-knowledge-systems-of-india/</a></li> <li><a href="https://orientviews.wordpress.com/2013/08/21/how-colonial-india-destroyed-traditional-knowledge-systems/">https://orientviews.wordpress.com/2013/08/21/how-colonial-india-destroyed-traditional-knowledge-systems/</a></li> <li><a href="https://www.thebetterindia.com/63119/ancient-india-science-technology/">https://www.thebetterindia.com/63119/ancient-india-science-technology/</a></li> <li><a href="https://orientviews.wordpress.com/2013/08/21/how-colonial-india-destroyed-traditional-knowledge-systems/">https://orientviews.wordpress.com/2013/08/21/how-colonial-india-destroyed-traditional-knowledge-systems/</a></li> </ul>	



**Chairman**  
BOS of Commerce  
Anand Commerce College



**Academic Coordinator**  
Anand Commerce College



**Principal**  
Anand Commerce College