

Gujarat University
K. S. School of Business Management and Information Technology
[Five Years' (Full – Time) M.Sc. (CA&IT) Integrated Degree Course]
First Year M.Sc. (CA&IT) (Semester - I)

Course Name: Indic Knowledge System (IKS)

Course code: VAC-IMSCIT-117

Course Credit: 2

Unit	Topic	Credit
1	Introduction to IKS <ul style="list-style-type: none">• Introduction to IKS & Its importance• Various IKS Systems• Shashtra – Foundational Literature of Bharatvarsha<ul style="list-style-type: none">• What is Shashtra?• Importance of Shashtra• Classification of Shashtra – Vaidic & Aavidic (with examples of imp. Literature)• Base of IKS proliferation<ul style="list-style-type: none">• Bhartiya Education System and its philosophy• History of BES from Ancient to Modern• Domains of Education: Gurukul, Pathshala, Vidyalay, Vishvavidyalay	1
2	Contribution of IKS to the World <ul style="list-style-type: none">• Mathematics & Astronomy<ul style="list-style-type: none">• Number System• Algebra & Arithmetic• Geometry• Trigonometry• Planetary System• Speed of Light• Eclipse• Life sciences<ul style="list-style-type: none">• Physics• Chemistry• Botany• Metal Technology<ul style="list-style-type: none">• Mining Techniques• Types of Metals• Tools & Techniques for Metal Smelting with examples	1

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	<ul style="list-style-type: none">• Town planning & Temple Architecture<ul style="list-style-type: none">• Indigenous tools & technologies for townplanning & Temple Architecture• Science of Architecture• Lothal, Mohan Jo Daro, Dholavira• Angkorvat, Lepakshi Temple, Jagannath Puri Temple, Thanjavur Temple, Modhera and Konark Sun Temple, Hampi Temple Etc.• Ayurveda<ul style="list-style-type: none">• Introduction of Ayurveda- Definition, Branches of Ayurveda, Books and Pioneers• Concept of Tri Dosh and importance of its Balance in the body• Indic Medical Science Achievement: Tools & Technology• Art & Traditions<ul style="list-style-type: none">• History and Origin• Skill Enhancement with 64 Kala• Science behind our traditions and rituals	
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