Course Code	18LEM109T	Course Name	INDIAN TRADITIONAL KNOWLEDGE	Course Category	M	Mandatory	L	T	P	C
							1	0	0	1

Pre-requisite Courses	Nil	Co-requisite Courses	Nil	Progressive Courses	Nil
Course Offering Department	English and Foreign Languages	Data Book / Codes/Standards	Nil		

Course Learning Rationale (CLR):	The purpose of learning this course is to:	Learning			Program Learning Outcomes (PLO)															
		1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-1 :	Introduce the learners to the early and traditional environmental friendly agricultural practices																		
CLR-2 :	Enable the students to recognize and appreciate the contribution of India to astronomical studies																		
CLR-3 :	Draw the learner's attention towards the holistic approach behind Indian system of medicine																		
CLR-4 :	Cultivate a sense of appreciation about ancient Indian Engineering and Technology as diverse, culture and resource specific																		
CLR-5 :	Develop an understanding about the connection of daily life to the environment and a healthy lifestyle through a comparison of the linguistic phrases and sayings and analyzing them from today's science																		

Course Learning Outcomes (CLO):	At the end of this course, learners will be able to:	Level of Thinking (Bloom)	Expected Proficiency (%)	Expected Attainment (%)	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society & Culture	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgt. & Finance	Life Long Learning	PSO - 1	PSO - 2	PSO – 3
CLO-1 :	equip with an awareness of the ancient India's eco consciousness and India's contribution to astronomy and the beliefs associated with it	3	90	85	-	-	-	-	-	H	H	H	H	H	-	H	-	-	-
CLO-2 :	appreciate the Indian aesthetic sensibility which is evidenced in the architectural monuments, economic life and religious worship	3	90	85	-	-	-	-	L	H	M	M	H	H	-	H	-	-	-
CLO-3 :	understand how Indians have had a holistic approach towards human life integrating the body, mind and soul	3	90	85	-	-	-	-	-	H	H	H	H	H	-	H	-	-	-

Duration (hour)		Agriculture	Mathematics & Astronomy	Medicine	Engineering & Technology	Customs, Sayings And Life Truths
S-1	SLO-1	Early agricultural settlements - Influencing Factors – locale and climate	Concepts of time and space - Knowledge of the Universe	Introduction to the school of Ayurveda, Siddha and Naturopathy:	Architecture – Temples, forts, palaces, houses and town planning	Regional myths, beliefs,,and cultural practices
	SLO-2	Locating the early agricultural settlements in the Indian map and indicating the timeline	Quiz based on the Indian concept of time and distance between the planets	Compare and Contrast of the methodologies, popular beliefs, myths and truths about medications	Group Discussions through examples from different historical periods and geographical locations	Noting the idioms, proverbs in mother tongues connected to seasons and festivals
S-2	SLO-1	Crop cultivation - Community based Environment friendly practices	Great astronomers and mathematicians of ancient India	Common features - Holistic Therapeutic Approach – Natural elements, individual constitution (Humours), and the balance recommended	Metallurgy – Coins, Traditional Indian Metal Carvings	Traditional Foods of India in accordance with the climate and availability of the resources
	SLO-2	Group presentations on the traditional agricultural practices in selected states	The respective contributions of Astronomers and Mathematicians	Understanding the rationale behind selected sample treatments provided or advised, Case Studies	Discussions on historical periods and their architectural influences	Collecting old sayings in specific regions of India
S-3	SLO-1	Ancient Indian Water management and irrigation methods	The planetary system and Indian Astrology: Basic Facts	Yoga and its Universal Appeal	Textile technology – Region / Culture specific Fiber, Fabric and weaving	Translating Regional sayings into English
	SLO-2	A region based study of natural water resources and aquifers and types of irrigation	Discussion on a few sample birth charts and predictions made	Discussions on worldwide popularity of Yoga and meditation	Comparing the Temple Architecture of North and Southern Indian States	Traditional sayings about Hygiene and practices pertaining to them

Learning Resources	1. V. Sivaramakrishnan (Ed.), Cultural Heritage of India-course material, Bharatiya Vidya Bhavan, Mumbai. 5th Edition, 2014. 2. Basham, A.L. ed. A Cultural History of India. OUP, 1997. 3. Thapar, Romila. Indian Cultures as Heritage: Contemporary Past. Aleph Book Company, 2018. 4. GN Jha (Eng. Trans.), Ed. RN Jha, Yoga-darshanam with Vyasa Bhashya, Vidyanidhi Prakashan, Delhi 2016.

Learning Assessment											
	Bloom's Level of Thinking	Continuous Learning Assessment (100% weightage)								Final Examination	
		CLA – 1 (20%)		CLA – 2 (30%)		CLA – 3 (30%)		CLA – 4 (20%)#			
		Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice
Level 1	Remember	-	40%	-	30%	-	30%	-	30%	-	-
	Understand										
Level 2	Apply	-	40%	-	40%	-	40%	-	40%	-	-
	Analyze										
Level 3	Evaluate	-	20%	-	30%	-	30%	-	30%	-	-
	Create										
	Total	100 %		100 %		100 %		100 %		-	

CLA – 4 can be from any combination of these: Assignments, Seminars, Tech Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers		
Experts from Industry	Experts from Higher Technical Institutions	Internal Experts