CVAC Course, to be studied in semester-2 for semester wise
four-year (Honours & Honours with Research) /three year (Multidisciplinary) Programme of
U.G. courses of studies under CCF, 2022

Indian Knowledge System and it's Applications

Semester - 2   Total credits: 2

	Content	Department	Responsibility
Module -1 : Introduction to IKS **Lecture hours -08**	What is IKS	Philosophy	
	Why do we need it		
	Introduction to Vedas, Vedangas, Kalpa, Jyotisa, Purana, Itihasas and their relevances (PL-01)		
	Basics of Panini's grammar and Astadaya and its extensive application on language (PL-02)		
	Indian scheme of knowledge and classifications		
	Indian framework for establishing valid knowledge and it's applicability in today's society		
Module -2: Introduction to Ancient Indian Political & Economic System **Lecture hours -08**	Concept of Kingship : Duties & responsibilities of a King	Political Science & Economics	
	Three Tier Political System : Dharmadand, Rajdand & Nyaydand (PL-03)		
	Law & Administration, Suppression of Crime, Defence System & Foreign Policy		
	Concept of Wealth & it's ownership, Koutilya Saptanga : seven sources of income (PL-04)		
	Indian economy : taxation, savings & expenditure (PL-05)		

Indian Knowledge System Cell, NNCW

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Module-3: Introduction to Ancient Indian Art & Architecture Lecture hours -08	Origin and concept of Ancient Indian Art & Architecture	History	
	Introduction to Temple Architecture		
	Styles of Architecture		
	Introduction to Cave & Monolithic Architecture		
	Introduction to Various Architecture Models like Chalukya, Pallava, Chola, Hoysala, Mauryan, Vijaynagar etc.		
	Knowledge of Buddhist and Jain Art & Architecture		
Module-4: Introduction to Ancient Indian Mathematics, Astronomy & Approach to Health Lecture hours -08	Salient features of Ancient Indian Mathematics	Mathematics & Botany	
	Contribution of Indian Mathematics to Algebra, Geometry, Trigonometry, Binary Mathematics (PL)		
	Overview of Indian Astronomy		
	The Celestial coordinate system and the Indian Calendar System		
	Astronomical Instruments (Yantras) - Application of Physics & Chemistry		
	Ayurvedic Approach to Health, food intake methods, disease management elements & wellness - Application of Botany and Medical Science (PL-)		

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