



Value Added Courses Offered

Department : **Pure and Applied Physics**

Academic Year : 2023-24

List of Value Added Courses

Sr. No.	Course Code	Name of the Course
01.	PPUAVAT1	Understanding Bharat

Value Added Course –II

Understanding Bharat

VAC-II- Understanding Bharat
Course Code: [PPUAVAT1]

Credits = 2(2+0+0)

- PO1:** To inculcate the idea of complete knowledge that is derived through developing inner (spiritual self) and outer (external world) cosmos understanding. Need for balancing the Vidya and Avidya for achieving economic development and Nishreyash both simultaneously.
- PO2:** To discuss and analyze the Problems of Modern Science and Technology as a vehicle for sustainable development and need for course correction
- PO3:** Understanding the Role of innovative pedagogy and transformation of Knowledge from public resource into intellectual property
- PO4:** Understanding the need of lifelong learning, learning for societal engagements and national prosperity.
- PO5:** Understanding the basic values that defines Bharata: Vasudhaiv Kutumbakam, Sarve Bhavantu Sukhinah, Ten Taktyen Bhunjithaah, Ekam bodh, Tatvamasi, Aham Bramhasmi, Satyam Vad, Dharmam Char.

Course Structure



- Unit-I:** Bharat Bodh from ancient Shastra's: India, the land of ancient wisdom, Brief understanding of Vedic knowledge, Yujar Veda, Athrva Veda, Bhartiya Darshan, Nyaya, Vaisheshik, Samkhya, Yoga, Purva Mimansha and Uttar Mimansha,
- Unit-II:** Ancient understanding of Physical World through Nyay-Vaisheshik, Ancient Bharat and Architecture, Ras Vidya, Ayurveda-A way of living healthy life, accounting scientific temper developed by ancient Knowledge system.
- Unit-III:** Bhartiya Shiksha Paddhati: Conceptual understanding, salient features, Guru-Shishya Bonding, Upanishad way of learning, Emphasis of holistic learning, and societal orientation, relevance in present perspective, Integration of Bhartiya Gyan Parampara in Modern Education System.
- Unit-IV:** Bhartiya Perspective of Personality Development: Panchkosh, Avdharna, Annamay Kosh, Pranmaya Kosh, Manomay Kosh, Vigyanmay Kosh, (description, Activities for practice for developing each Kosh). salient features of economic development with Nihshreyas, Chatushpadiy Vyavstha, Ladder of Dharm, Airth, Kama, Moksha, Knowledge as a public resource in ancient Bharat

Course Outcomes

- CO-1 To provide basic understanding of Bharat as a nation based on Universal values and civilization called Sanatana.
- CO-2 Providing roadmap of man making education of Ancient India through experiential learning
- CO-3 Providing an interesting canvas of ancient Bhartiya Gyan parampara and its socio-economic outcomes
- CO-4 Realizing the Bhartiya way of holistic personality development.

Reference Books:

1. The Physics of Vaisesika, Translation and Commentary by C.S.R. Prabhu, Sri Venkateswara Vedic University, Tirupati (2014).
2. Essential Vivekanand, Mukul Kanitkar, A. J. Anoop, Rupa Publications, New Delhi (2019).
3. Uchha Shiksha: Bhartiya Drishti, Atul Kothari, Shikshja Sanskriti Utthan Nyas, New Delhi (2023)
4. Mera Bharat-Amar Bharat, Hindi Translation of Swami Vivekanand's original Book, Amar Bharat Amar Bharat, In Bangla, Ram Krishna Ashram, Nagpur (2009).
5. The beautiful tree, Indigenous Indian Education in Eighteenth Century, Dharmapal,
6. India that is Bharat, J. Sai Deepak,
7. Punyabhoomi, Sudha Murthy



CO	PO					PSO					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3	-	-	-	-	3	-	-	-	-	-
CO2	3	2	-	1	-	-	3	2	-	-	-
CO3	-	-	-	2	1	-	-	-	1	-	-
CO4	-	-	-	2	1	-	-	-	1	-	-

Weightage: 1-Sightly; 2-Moderately; 3-Strongly

Umbipasthi

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