



॥ मा विद्या या विमुक्तये ॥

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994. Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'B++' grade

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राष्ट्रीय शैक्षणिक धोरण -२०२० नुसार
पदवी अभ्यासक्रमात IKS या विषयाचे सर्व
विद्याशाखासाठी शैक्षणिक वर्ष २०२४-२५
पासून लागू करण्याबाबत.

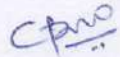
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या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, मा.विद्यापरिपदेच्या मान्यतेच्या अधीनराहून मा.कुलगुरू महोदयांनी मान्यता दिल्यानुसार विज्ञान व तंत्रज्ञान विद्याशाखा, मानवविज्ञान विद्याशाखा, आंतर विद्याशाखीय अभ्यास विद्याशाखा आणि वाणिज्य व व्यवस्थापन विद्याशाखासाठी, राष्ट्रीय शैक्षणिक धोरण-२०२० नुसार पदवी अभ्यासक्रम आराखड्यातील Indian Knowledge System (IKS) या विषयाचा Common Syllabus शैक्षणिक वर्ष २०२४-२५ पासून विद्यापीठ संकुले, उपपरिसर, विद्यापीठ संचलित न्यू मॉडेल डिग्री कॉलेज हिंगोली व सर्व संलग्नित महाविद्यालयांसाठी लागू करण्यात येत आहे.

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी, ही विनंती.

'ज्ञानतीर्थ' परिसर,
विष्णुपुरी, नांदेड - ४३१ ६०६.
जा.क्र.:शैक्षणिक-१/परिपत्रक/एनईपी/IKS/२०२४-२५/१४३




डॉ. सरिता यन्नावर
सहाय्यक कुलसचिव
शैक्षणिक(१-अभ्यासमंडळ) विभाग

दिनांक : ०८.०७.२०२४.

प्रत : माहिती व पुढील कार्यवाहीस्तव :

- १) मा.कुलगुरू महोदयांचे कार्यालय, प्रस्तुत विद्यापीठ.
- २) मा.अधिष्ठाता, सर्व विद्याशाखा, प्रस्तुत विद्यापीठ.
- ३) मा.सहयोगी अधिष्ठाता, सर्व विद्याशाखा, प्रस्तुत विद्यापीठ.
- ४) मा.संचालक, परीक्षा मुल्यमापन मंडळ, प्रस्तुत विद्यापीठ.
- ५) मा. प्राचार्य, सर्व संलग्नित महाविद्यालये व न्यू मॉडेल डिग्री कॉलेज, हिंगोली प्रस्तुत विद्यापीठ.
- ६) मा.संचालक, सर्व संकुले व उपपरिसर प्रस्तुत विद्यापीठ.
- ७) सिस्टीम एक्सपर्ट, प्रस्तुत विद्यापीठ यांना देवून कळविण्यात येते की, सदर परिपत्रक संकेतस्थळावर प्रसिध्द करावे.

**SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY, NANDED - 431 606**



An outline of a Course in Indian Knowledge System for Undergraduate level students
studying across all faculties

Course Code: IKS -1101

INTRODUCTION TO INDIAN KNOWLEDGE SYSTEM

Effective from Academic year 2024 – 2025

(As per NEP-2020)

From the Desk of Chairman

Dear Students,

On behalf of the Swami Ramanand Teerth Marathwada University, I am delighted to welcome you to a course purposed to introduce all under graduate students to Indian Knowledge Systems (IKS) as per guidelines of New Education Policy -2020. This course offers a unique opportunity to explore the rich heritage of knowledge that has flourished in India for centuries.

Over the course of the semester, you will embark on a fascinating journey through different modules beginning by exploring the concepts and philosophical principles as a basis of IKS. Also, it will explore the profound contributions of Indian knowledge systems to various fields of humanities, advancements in Science, Technology, Engineering, and Mathematics (STEM) fields, including the wisdom of tribal communities and their sustainable practices.

This course promises an engaging learning experience. Through lectures, discussions, and interactive activities, you will gain a comprehensive understanding of Indian knowledge systems. You will be encouraged to critically analyze historical developments and contemporary relevance of these systems. Together, we will embark on a stimulating exploration of the vast and vibrant world of Indian knowledge systems.

On behalf of the committee, I express my sincere thanks to Hon. Vice Chancellor Dr. Manohar Chaskar sir for giving this great opportunity. I extend my thanks to all deans of various faculties for their cordial cooperation and all other administrative support to the committee.

Prof. Dr. D. R. Munde,
Chairman,
Committee for IKS Syllabus
Framing

Committee for IKS Syllabus Framing

- 1. Prof. Dr. D. R. Munde, *Chairman***
(Chairman, BoS, Chemistry)
- 2. Prof. Dr. S. L. Shinde, *member***
(Chairman, BoS, Botany)
- 3. Prof. Dr. Mohan S. Rode, *member***
(Chairman, BoS, Management & Business Administration)
- 4. Prof. Dr. Rohidas Nitonde, *member***
(Chairman, BoS, English Language and Literature)
- 5. Prof. Dr. Ratnakar B. Lkshate, *member***
(Chairman, BoS, Political Science)
- 6. Dr. Mahesh Joshi, Assistant Professor, *member***
(Member, BoS, Educational Methods)

Distribution of credits for Indian Knowledge System (IKS 1101)

Common to all Faculty

UG Syllabus structure

Semester Pattern (CBCS) effective from June, 2024

Subject: Indian Knowledge System (IKS 1101)

Total credits semester I: 02

Semester	Paper Number	Name of the Course	Instruction Hrs./Week	Total period	Internal CA	ESE	Total Marks	Credits
I	IKS 1101	Indian Knowledge System (IKS) (Theory)	02	30	10	40	50	2

IKS – I

INTRODUCTION TO INDIAN KNOWLEDGE SYSTEMS

Course level : UG

Semester : I

Credits: 02

Hours: 30

Course Description:

This course aims to provide a comprehensive understanding of the rich and diverse knowledge systems that have evolved in India over centuries. It is focused towards various aspects of Indian knowledge, encompassing contributions to humanities, Science, Technology, Engineering and Mathematics fields, and indigenous wisdom from tribal communities. Through four modules, undergraduate level students will gain insights into the foundational concepts, historical developments, and contemporary relevance of Indian knowledge systems.

Course Objectives:

1. Introduce foundational concepts and philosophical underpinnings of Indian knowledge systems.
2. Explore contributions to humanities, including literature, art, music, and philosophy.
3. Examine achievements and relevance in STEM fields such as mathematics, astronomy, medicine, and engineering.
4. Highlight indigenous wisdom of tribal communities in sustainable practices.

Course Outcomes:

1. Explain fundamental principles and concepts of Indian knowledge systems.
2. Analyze contributions to humanities, recognizing cultural and artistic significance.
3. Assess impact of Indian achievements in STEM fields on global knowledge systems.
4. Recognize importance of indigenous knowledge in sustaining biodiversity and traditional livelihoods.

MODULE 1: INTRODUCTION TO INDIAN KNOWLEDGE SYSTEMS

1. IKS : Concept, scope and significance
2. Indian philosophical systems : concepts, general principles and its significance
3. Ancient texts of various philosophical traditions and their significance
4. Historical overview of Indian Education and Educational Institutions

MODULE 2: CONTRIBUTIONS TO HUMANITIES

1. Introduction to classical Languages in India, (Grammar, Linguistic Perspectives and contribution to the field of Literature)
2. Introduction to ancient Indian art and architecture: Music, painting, and dance forms, sculpture, temples and town planning
3. Indian philosophical thoughts on Social Institutions, ethics, morality, and social justice.
4. Introduction to Bhartiya Arthshastra and Nitishstra (Basic Concepts)

MODULE 3: CONTRIBUTIONS TO STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS)

1. Historical development of mathematics and astronomy in India: contributions of Aryabhata, Brahmagupta, and Bhaskara.
2. Health and Medicinal Practices : Holistic Approach to Health, Ayurveda, Yoga, Dietary guidelines and lifestyle (Rutucharya, Dincharya , etc.)
3. Innovations in metallurgy, Material Science, engineering, and architecture: ancient Indian techniques and achievements.
4. Indian Agriculture : Concepts related to land, water, crops and use of animals , scope and significance, socio-economic-cultural Linkage

MODULE 4: TRIBAL COMMUNITIES' INDIGENOUS KNOWLEDGE & LOCAL WISDOM

1. Geophysical aspects , resources and indigenous knowledge systems of tribal communities and its significance
2. Sustainable practices in agriculture, forestry, and natural resource management.
3. Preservation of traditional crafts, folklore, and oral traditions.
4. Tangible and Intangible Cultural heritage

Assessment Scheme:

Assessment scheme and passing criteria will be same as per the structure of UG programs under NEP-2020.

References:

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5. Ranganathananda, Swami. The Message of the Upanishads. Bombay: Bharathya Vidya Bhaven, 1985.
6. DK Chakkrabarty, Makkhan Lal, History of Ancient India (Set of 5 Volumes), Aryan book Internation publication, 2014
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8. Yoga System of Patanjali, J. H. Woods, Bharatiya Kala Prakashan 2009
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11. Glimpse into Kautilya's Arthashastra, Ramachandrudu P., Sanskrit Academy, Hyderabad. 2010
12. Vedic Mathematics, Jagadguru Swami Sri Bharati Krsna Tirathji Maharaj, Motilal Banarsidass Publishers, Delhi 1965