Department of Bharatiya Gyan Parampara

National Institute of Technical Teachers Training and Research (NITTTR), Bhopal

(Deemed to be University, Distinct Category)

Ministry of Education, Government of India

1. Introduction

The Bharatiya Gyan Parampara (IKS) Department established at the National Institute of Technical Teachers Training and Research (NITTTR), Bhopal, is committed to reinstating, preserving, and advancing India's ancient and scientifically enriched knowledge heritage within a modern academic framework. Established in alignment with the National Education Policy (NEP) 2020, this department functions as a pioneering academic Centre that integrates traditional Bharatiya knowledge with contemporary research and technology.

The department offers Bachelor of Science (B.S.) and Master of Science (M.S.) degree programmes in Bharatiya Gyan Parampara, equipping graduates with cutting-edge technological skills in AVGC (Animation, Visual Effects, Gaming, and Comics), Augmented Reality (AR), Virtual Reality (VR), LiDAR, and 360° Immersive Documentation — while keeping them rooted in India's intellectual traditions.

NITTTR's unique position as a national-level technical teacher training institute gives this department an unparalleled advantage — its faculty, researchers, and students collectively work to scientifically establish the logical coherence and relevance of Indian Knowledge Systems and to disseminate them to future generations.

2. Vision and Mission

Vision

To become a globally recognized Centre of Excellence that enshrines Bharatiya Gyan Parampara as a living, multidimensional, and intellectually rigorous knowledge system, one that is empirically grounded, time-tested, and fully capable of addressing the complex challenges of the 21st century through the seamless integration of ancient wisdom with modern research, technology, and education.

Mission

- To substantiate, through rigorous academic research, the logical coherence and enduring global relevance of India's Vedic, philosophical, astronomical, and mathematical traditions.
- To integrate Indian Knowledge Systems into mainstream higher education in alignment with NEP 2020, fostering a holistic, multidisciplinary, and value-based learning environment.
- To leverage modern technologies such as AVGC, AR/VR/MR, LiDAR, and 360° photography for experiential learning, digital preservation, and global dissemination of India's knowledge heritage.
- To develop skilled human capital that bridges traditional scholarship with contemporary creative and research industries.
- To provide inclusive access to Bharatiya Gyan Parampara for all sections of society, including rural and remote students, through digital platforms.
- To contribute to India's soft power by presenting Indian culture, philosophy, and science on international platforms through innovative AVGC-based content creation.

3. Infrastructure / Laboratory Facilities

The department is equipped with state-of-the-art infrastructure to support experiential learning and advanced research in Indian Knowledge Systems:

AVGC and Immersive Technology Lab

- High-performance workstations equipped with professional AVGC software (Adobe Suite, Maya, Blender, Unity, Unreal Engine).
- VR/AR headsets (Meta Quest, HTC Vive, Microsoft HoloLens) for immersive learning.
- 360° camera rigs and LiDAR scanning instruments for digital heritage documentation.

Sanskrit and Manuscript Studies Lab

- Digital repository of ancient manuscripts, texts, and rare archival materials.
- Digitization facilities for preservation of palm-leaf and paper manuscripts.

Research and Seminar Facilities

- Seminar halls equipped with smart boards, video-conferencing, and audio-visual equipment.
- Specialized library sections on Vedic science, Indian philosophy, mathematics, and astronomy.

4. Programmes and Seats

Programme	Duration	Total Seats	Mode
B S – Bharatiya Gyan Parampara	4 Years (NEP 2020)	30	Full-time
M S – Bharatiya Gyan Parampara	2 Years	18	Full-time

a. Programmes

i. B S – Bharatiya Gyan Parampara (Bachelor of Science in Bharatiya Gyan Parampara)

The B S Programme is a 4-year full-time undergraduate degree aligned with NEP 2020. Students may choose one of the following Specializations:

- Mind & Consciousness Studies
- Darshanshastra (Philosophy)
- Astronomical Science
- Bharatiya Mathematics / Vedic Mathematics

ii. M S – Bharatiya Gyan Parampara (Master of Science in Bharatiya Gyan Parampara)

The M S Programme is a 2-year full-time postgraduate degree for candidates seeking advanced specialization and research in Indian Knowledge Systems.

b. Eligibility and Qualification

Programme	Qualification	Admission Weightage
Bachelor of Science (BS)	10+2 or equivalent (recognized board) minimum 50% marks (relaxation applicable)	Selection based on combined evaluation of CUET score (50%), 10+2 marks (30%), and interview (20%). Relaxation for reserved categories as per Government of India norms. Total seats = 30.
Master of Science (MS)	Minimum 3-year undergraduate degree — minimum 55% marks (relaxation applicable)	Selection based on combined evaluation of undergraduate marks (60%), national examination score (GATE/CAT/CCMN/CUET) (10%), and interview (30%). Candidates not appearing in national eligibility tests (GATE/CAT/CCMN/CUET) are also eligible for admission. A minimum 3-year undergraduate degree from a recognized university with at least 55% marks is required.

c. Special Features of the Programmes

- Multidisciplinary Honours Specializations: Mind & Consciousness Studies, Philosophy (Darshanshastra), Astronomical Science, Bharatiya Mathematics.
- Scientific Validation of Ancient Texts: Establishing the scientific relevance of knowledge embedded in the Vedas, Upanishads, Puranas, and Agamas.
- Revival of India's Great Heritage: Presenting the contributions of ancient scholars like Aryabhata and Varahamihira in the context of modern science.
- Alignment with NEP 2020: Bringing Indian Knowledge Systems into the mainstream through a value-based, multidisciplinary approach.
- Experiential Learning through AVGC: Application of Animation, Visual Effects, Gaming, and Comics (AVGC) technology.
- Advanced Human Capital Development: Blending technology, culture, ethics, and scientific perspective.

d. Distinction from Regular Programmes

- First-of-its-kind Technical-Academic Hybrid: India's first programme integrating modern technology and ancient traditions in a technical teacher training institution like NITTTR.
- Immersive Technology Integration (AR/VR/MR): Real-time translation and visualization of ancient manuscripts and temple architecture via AR; digital reconstruction of ancient universities like Nalanda and Takshashila via VR.
- LiDAR and 3D Scanning for Research: High-precision mapping and digital reconstruction of archaeological sites.
- Object-Based Knowledge Development: 3D visualization of complex concepts such as planetary motions or Vedic mathematical formulas.
- Cultural Diplomacy and Global Leadership: Training to present India's 'Soft Power' on the global stage using AVGC skills.
- 360° Immersive Documentation: Digital preservation of classical music, dance, and endangered art forms.

5. Reservation Policy and Seat Matrix

As per the Constitution of India and directives of the Government of India, reservation and relaxation are provided to eligible candidates in all programmes.

6. Future Employment and Career Prospects

AYUSH and Healthcare Sector

Roles as Yoga therapist, Ayurveda wellness consultant, integrative health educator, or research associate in AYUSH institutions, hospitals, wellness centers and government bodies like the Ministry of AYUSH.

Cultural Heritage and Museum Management

Heritage documentation specialist, museum curator, archival researcher, or cultural tourism officer — in organizations such as ASI, National Museum, UNESCO, and INTACH.

Education and Academia

Lecturer/Assistant Professor in IKS, Indian Philosophy, and Sanskrit; NEP-2020 compliant IKS curriculum developer; and PhD research scholar in IKS-related subjects.

Policy, Governance, and Public Administration

Policy analyst or research officer in think tanks, government ministries (Culture, Education, External Affairs), and international bodies such as UNESCO, ICCR, and Nalanda University.

Digital Humanities and Technology

Digital archive specialist, GIS heritage mapping expert, 3D reconstruction technician, or AI-assisted manuscript analyst.

IKS-Based Entrepreneurship and Innovation

Entrepreneur in Ayurveda products, Yoga education technology (EdTech), classical arts business, traditional architecture (Vastu) consulting, or IKS-inspired design studios.

Media, Journalism, and Communication

Content creator, documentary filmmaker, science communicator, or journalist specialising in Indian heritage, classical arts, and traditional knowledge.

7. Faculty and Staff

The department is supported by multidisciplinary faculty from the fields of Indian philosophy, Sanskrit, Vedic science, astronomical studies, Bharatiya mathematics, AVGC technology, and digital heritage.

S.No.	Name
1.	Prof. P. K. Purohit, Head of Department
2.	Prof. Ramendra Singh
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For more information, visit the website or scan the QR code:
https://nitttrbpl.ac.in/admission.php

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