(स्थापना / Established in 1956)
बेहतर भविष्य के लिए क्षमता निर्माण
Capacity Building for a Better Future

International Institute for Population Sciences Mumbai

A Report on INDIAN KNOWLEDGE SYSTEM (IKS) through SWAYAM undertaken by the First batch of IIPS NEP 2020

Academic Year: 2025-2026

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REPORT ON INDIAN KNOWLEDGE SYSTEM (IKS)

Introduction

The NEP 2020 recommends the inclusion of the Indian Knowledge Systems (IKS) into the modern-day educational practices. The incorporation of Indian Knowledge Systems with the in-depth conceptual knowledge would rightly empower the youth of present India. To implement this vision, IIPS constituted an expert committee to formulate guidelines for incorporating Indian Knowledge System into the curricula of master degree programmes. The course on Indian Knowledge Systems (IKS) introduces students to the rich intellectual traditions of India and their continuing relevance in the modern world.

India has a very rich and versatile knowledge system and cultural heritage. The Indian knowledge system was developed during the Vedic period, the Saraswatī-Sindhu Civilization, the Middle ages and is being practiced till the conditions of modern times.

In line with the aforementioned, The institute successfully implemented the Indian Knowledge Systems (IKS) course as an integral component of the syllabus form the NEP first batch i.e AY 2025-2026.

The institute has encouraged students to opt the course namely “Indian Knowledge Systems” by National Institute of Technical Teachers’ Training and Research (NITTTR) from SWAYAM platform to promote digital learning under Digital India Mission.The content of the course is attached as Annexure-I and carries three (3) credits. This Swayam MOOC’s provides a platform for all the students of higher education institutes to develop awareness about the Indian Knowledge system. It attempts to showcase the practices of the ancient India that in the present day look as a scientific marvel and the practices were much ahead of their times.

Objective of the Initiative

The main objectives of this course are as follows:

- Creating awareness amongst the students about the true history and rich culture of the country.
- Understanding the scientific value of the traditional knowledge of Bhārata;
- Converting the Bhāratīya wisdom into the applied aspect of the modern scientific paradigm.

It is also believed that after completion of this course the students will get a holistic insight into the understanding the working of nature and life.

Alignment with NEP 2020

The initiative supports NEP 2020 objectives in the following ways:

- Promotes multidisciplinary education.
- Integrates Indian knowledge traditions into higher education
- Encourages experiential and contextual learning
- Strengthens cultural rootedness with global outlook
- Supports value-based and holistic education
- Promote digital learning

NEP 2020 explicitly recommends embedding Indian Knowledge Systems in curricula to enhance students' understanding of India's contributions to science, philosophy, governance, and sustainable development.

Grading Policy on SWAYAM:

Internal Assignment Score: This accounts for 30% of the final grade and is calculated based on the average of the best three assignments out of all the assignments given in the course.

Final Proctored Exam Score: This makes up 70% of the final grade and is derived from the proctored exam score out of 100.

Final Score: The final score is the sum of the average assignment score and the exam score.

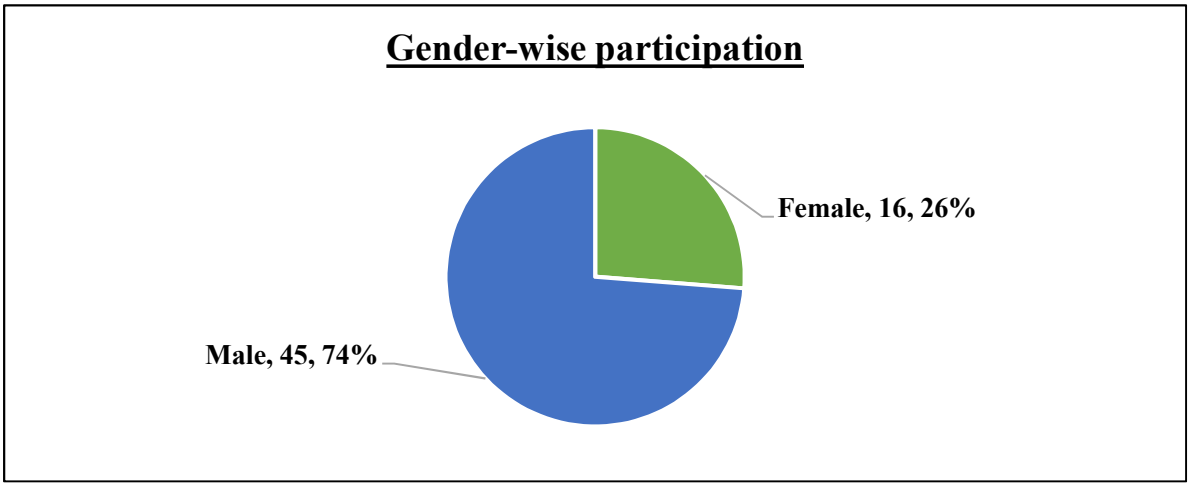
Performance Analysis

Total sixty one (61) students appeared for the examination held on 11th December 2025. These included 17 students from M.A./ M.Sc. in Population Studies, 19 from M.Sc. Biostatistics and Demography (MBD) and 25 from M.Sc. Survey Research and Data Analytics (MSD).

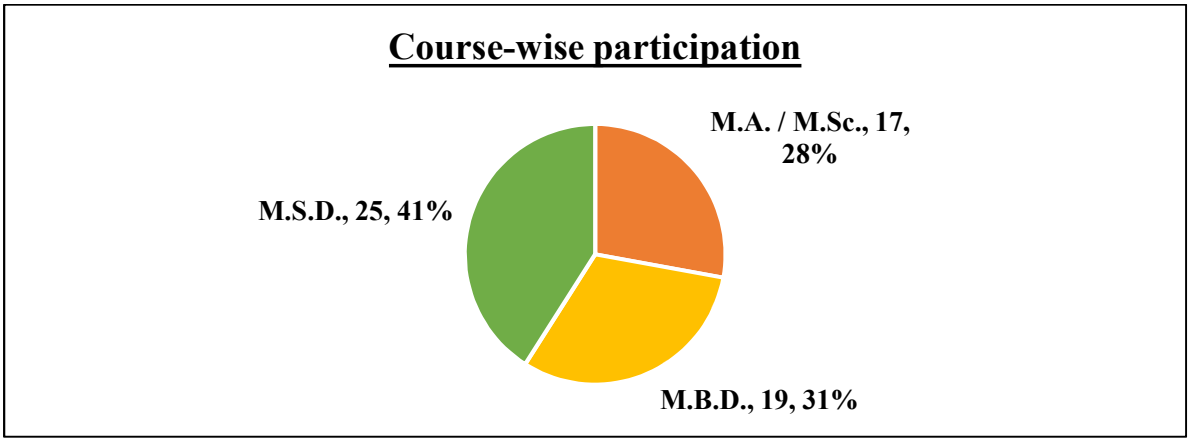
Total number of students enrolled and Completion rate:

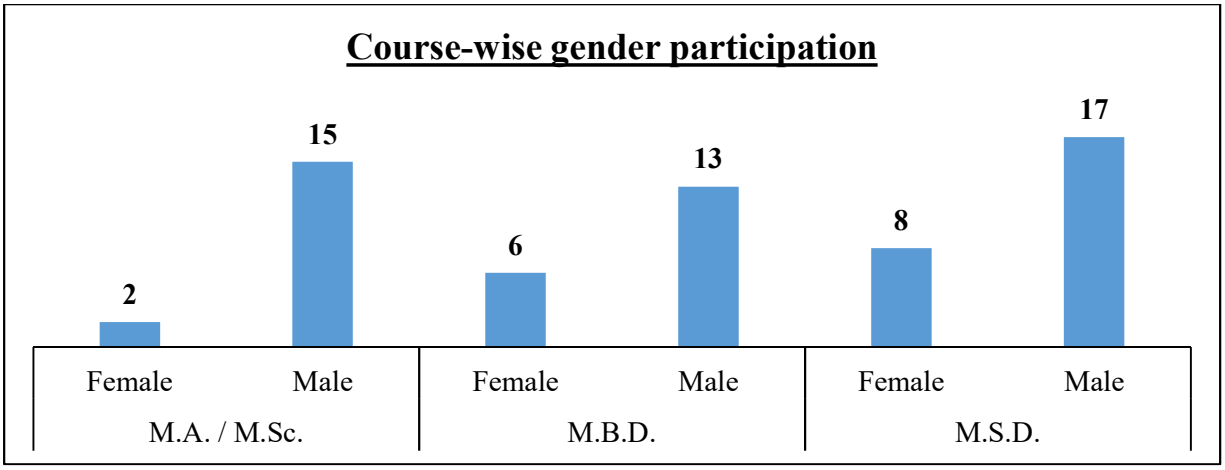
Particulars	Number
Students enrolled in IKS on SWAYAM	61
Completion Rate	100 %

Gender-wise participation:

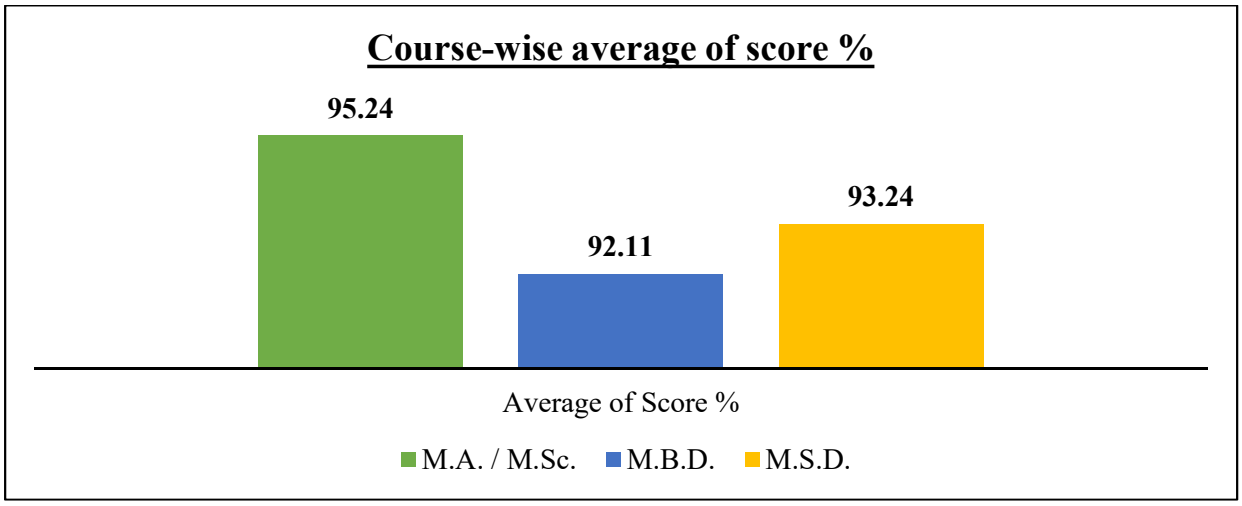


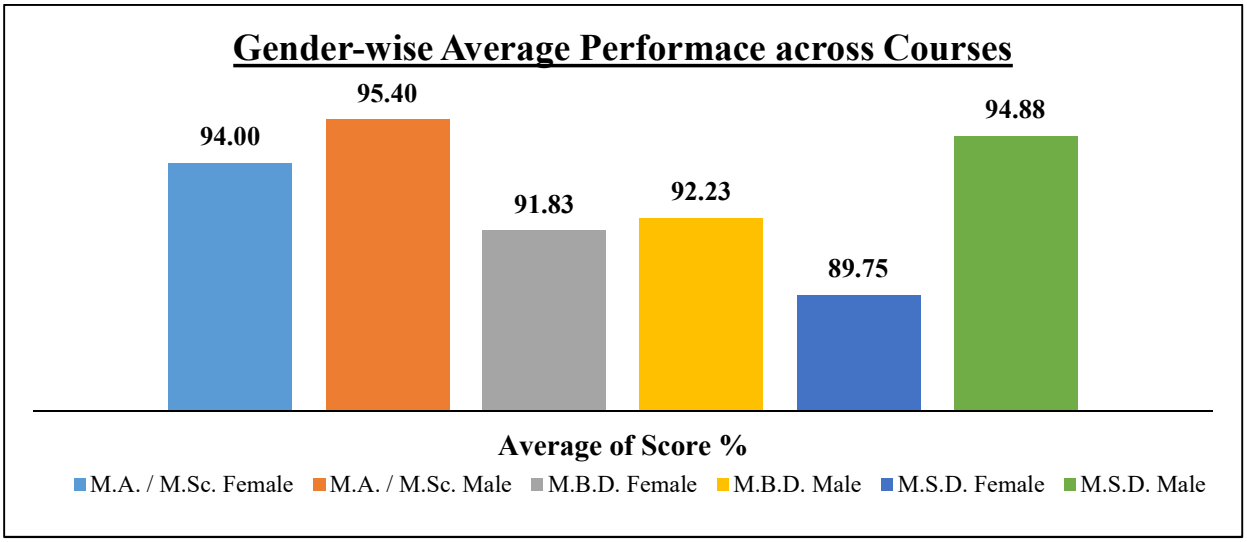
Course-wise participation:





Average performance score:





Score Range Distribution									
Course Name	**M.A. / M.Sc.**			**M.B.D.**			**M.S.D.**		
Score Range	**Female**	**Male**	**Total**	**Female**	**Male**	**Total**	**Female**	**Male**	**Total**
90–100	2	15	**17**	4	9	**13**	6	17	**23**
80–89	0	0	0	2	4	**6**	1	0	**1**
70–79	0	0	0	0	0	0	1	0	**1**
60–69	0	0	0	0	0	0	0	0	0
Below 60	0	0	0	0	0	0	0	0	0
Total no. of students	**17**			**19**			**25**		

Overall Performance Analysis

Course Name	**M.A. / M.Sc.**		**M.B.D.**		**M.S.D.**	
Gender	**Female**	**Male**	**Female**	**Male**	**Female**	**Male**
Average of Score %	94	95	92	92	90	95
Min of Score %	93	91	84	81	**77**	91
Max of Score %	95	**98**	97	97	95	97

The overall performance of students was observed to be highly satisfactory, with an average score of 0.93 on the SWAYAM evaluation scale, indicating strong engagement and comprehension of the course material. The highest score recorded is 98% while the lowest is 77%.

Academic and Institutional Impact

- Enhanced student awareness of indigenous scientific contributions.
- Strengthened interdisciplinary thinking.
- Promoted research orientation in traditional knowledge domains.
- Supported institutional efforts towards IKS integration in compliance with NEP 2020 and UN SDGs.

Conclusion

In conclusion, the successful completion of the Indian Knowledge Systems course for the first NEP 2020 batch reflects the institute's strong commitment to integrating NEP 2020 into its curriculum. The course on Indian Knowledge System provided students with a comprehensive understanding of the rich and diverse knowledge traditions of India. The adoption of SWAYAM MOOCs has further strengthened digital learning integration. The strong student performance and smooth implementation demonstrate that IKS has been effectively embedded as a meaningful and impactful component of the syllabus.

Annexure-I

SWAYAM
National Institute of Technical Teachers' Training and Research (NITTR)
on
INDIAN KNOWLEDGE SYSTEM (IKS)
Course layout

INDIAN KNOWLEDGE SYSTEM		
S. No.	**Unit Title**	**Lesson Title**
1	History of Indian Knowledge System	Genesis of Bhartiya Knowledge System
		History of IKS
2	India's characteristic knowledge & India's epistemology	IKS: Nature, Philosophy and Character
		India's Epistemology
		Knowledge Frameworks & Classification
3	Ancient Scriptures	Ancient Scriptures
4	Ancient Education System	Ancient Education
		Educating Sciences
5	Scientific approaches of IKS & Torch-bearers	Khagol Vijnana (Astronomy)
		Vastukala (Architecture)
		Ayurveda
		Krishi Vijnana (Agricultural) Practices
6	Scientific approaches of IKS & Torch-bearers	Dhatu Vijnana (Metallurgy)
		Ganita: Mathematics in India
		Yuddha Vidhya (Military Sciences)
		Niyuddha Kala (Martial Arts)
		Environmental Sciences
7	Literary Aspects of IKS & Torch-bearers.	Chandashastra (Prosody)
		Bhasa Va Vyakarana (Language and Grammar)
		Bharata's Natyashastra (Science of Drama, Dance and Music)
8	Governance in IKS & Way Forward	Science of Consciousness in Ancient India (Cognitive Science)
		Anviksiki (Logic and Disputation)
		Governance & Public Administration