SPECIAL LECTURE ON INDIAN KNOWLEDGE SYSTEM

- **Name of the event:** Special Lecture on Indian Knowledge System
- **Organized by:** Department of Mathematics, Statistics and Computer Science of Shri Shikshayatan College, Kolkata
- **Date:** 15th July,2026
- **Venue:** Room 212 of Shri Shikshayatan College
- **Number of Participants:** 54
  - **Students:** 40
  - **Teachers:** 14
- **Resource Person:** Manjusha Majumdar
  - **Name:** Manjusha Majumdar
  - **Designation:** Professor, Department of Pure Mathematics, University of Calcutta
- **Brief Description of the event:**

  The Department of Mathematics, Statistics and Computer Science organized a seminar on Indian Knowledge System, specifically on Vedic Mathematics, which highlighted the rich mathematical and scientific heritage of ancient India. Professor Manjusha Majumdar discussed the contributions of eminent Indian Mathematicians and scholars such as Aryabhata, Baudhayana, Brahmagupta, Bhaskara, Madhava etc. The session explained that Baudhayana had described a geometric principle comparable to the theorem now widely known as the Pythagoras Theorem. It also highlighted the works of Aryabhata, particularly the Aryabhattiya and the contributions of Brahmagupta, Bhaskara and Madhava to mathematics and astronomy.

  According to Manjusha ma'am, several concepts related to planetary motion, commonly associated with Kepler's Laws, had parallels in ancient Indian texts. The seminar further explained the geometric designs of Vedic altars, such as eagle-shaped altars used for specific Vedic rituals and rhombus-shaped altars associated with royal yajnas.

  Interesting insights were shared on the origin of mathematical terminology. The Sanskrit terms Patiganita (Arithmetic), meaning calculations performed on a board (pati) and Bijaganita (Algebra) were explained. The evolution of the trigonometric term "sin" from the Sanskrit word "Jya" through Arabic and Latin translations was also discussed.

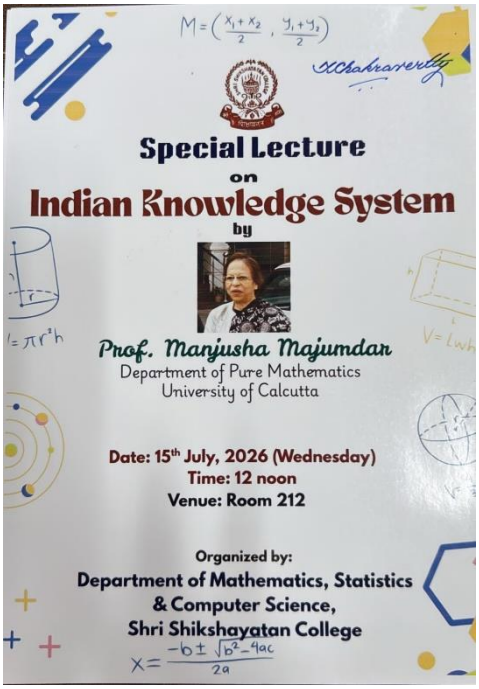
  Overall, the seminar provided a deeper understanding of India's ancient mathematical traditions and their historical significance.

- **Outcome:**

  The seminar enhanced students' knowledge of Vedic Mathematics and the contributions of ancient Indian scholars to mathematics and astronomy. It developed awareness of the historical evolution of mathematical concepts and terminology, encouraged critical thinking about the history of science and inspired students to explore India's rich intellectual and scientific heritage in greater depth.

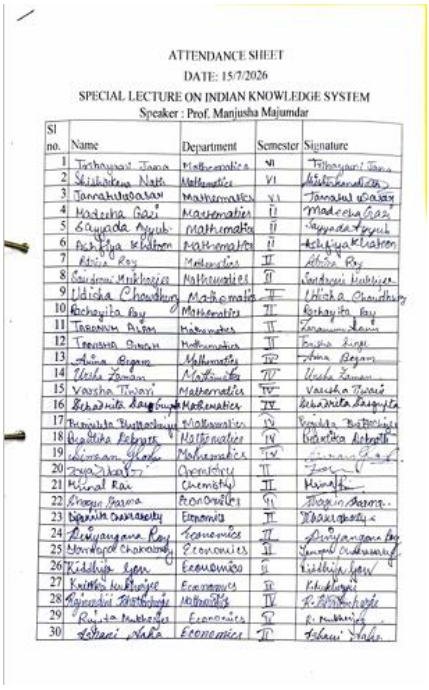
- **Photographs:**

- **Documents:**
    1. **Flyer:**



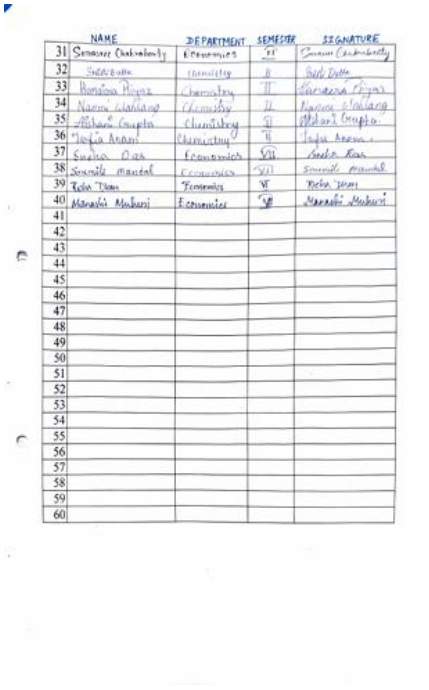
    2. **Attendance sheet:**

        Student:



ATTENDANCE SHEET
DATE: 15/7/2026
SPECIAL LECTURE ON INDIAN KNOWLEDGE SYSTEM
Speaker : Prof. Manjusha Majumdar

Sl no.	Name	Department	Semester	Signature
1	Tathagata Jana	Mathematics	VI	Tathagata Jana
2	Shibendra Nath	Mathematics	VI	Shibendra Nath
3	Janahitaisai	Mathematics	VI	Janahitaisai
4	Madeeha Gazi	Mathematics	II	Madeeha Gazi
5	Sayyada Ayub	Mathematics	II	Sayyada Ayub
6	Arshiya Khatoon	Mathematics	II	Arshiya Khatoon
7	Ahitra Roy	Mathematics	II	Ahitra Roy
8	Sandeep Mukherjee	Mathematics	II	Sandeep Mukherjee
9	Udisha Chowdhury	Mathematics	II	Udisha Chowdhury
10	Rachayita Roy	Mathematics	II	Rachayita Roy
11	Tasnim Biswas	Mathematics	II	Tasnim Biswas
12	Tanisha Singh	Mathematics	II	Tanisha Singh
13	Afina Begam	Mathematics	II	Afina Begam
14	Uzma Zaman	Mathematics	II	Uzma Zaman
15	Vaisha Tiwari	Mathematics	II	Vaisha Tiwari
16	Debasmita Sengupta	Mathematics	II	Debasmita Sengupta
17	Priyanka Bhattacharjee	Mathematics	II	Priyanka Bhattacharjee
18	Barbika Debnath	Mathematics	II	Barbika Debnath
19	Nirman Ghosh	Mathematics	II	Nirman Ghosh
20	Joya Khatun	Chemistry	II	Joya
21	Mrinal Rai	Chemistry	II	Mrinal
22	Anagha Barua	Economics	II	Anagha Barua
23	Bipasha Chakraborty	Economics	II	Bipasha Chakraborty
24	Priyangana Roy	Economics	II	Priyangana Roy
25	Nandagopal Chakraborty	Economics	II	Nandagopal Chakraborty
26	Riddhija Saha	Economics	II	Riddhija Saha
27	Kuntala Mukherjee	Economics	II	Kuntala Mukherjee
28	Rajarshi Bhattacharjee	Mathematics	II	Rajarshi Bhattacharjee
29	Rajita Mukherjee	Economics	II	Rajita Mukherjee
30	Ishani Saha	Economics	II	Ishani Saha



	NAME	DEPARTMENT	SEMESTER	SIGNATURE
31	Sanjoy Chakraborty	Economics	II	Sanjoy Chakraborty
32	Sneha Datta	Chemistry	II	Sneha Datta
33	Ranjana Priya	Chemistry	II	Ranjana Priya
34	Nainsi Mahlang	Chemistry	II	Nainsi Mahlang
35	Mohini Gupta	Chemistry	II	Mohini Gupta
36	Tajia Akram	Chemistry	II	Tajia Akram
37	Sneha Das	Economics	VII	Sneha Das
38	Sumit Mandal	Economics	VII	Sumit Mandal
39	Neha Tiwari	Economics	VI	Neha Tiwari
40	Manashi Mukerji	Economics	VII	Manashi Mukerji
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Teacher:

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SPECIAL LECTURE ON INDIAN KNOWLEDGE SYSTEM
Speaker : Prof. Manjusha Majumdar
Faculty

Sl no.	Name	Department	Signature
1	AMRITA BANERJEE	BENGALI	Banerjee 15/7/26
2	ILIORA SEN	BOTANY	Sen 15/7/26
3	PARAMITA CHAKRABORTY	Economics	PC 15/7/26.
4	Subhadipta Saha	Economics	Saha 15/7/26.
5	Hemi Mukherjee	Political Science	[illegible] 15/7/26
6	Anni Gupta	Political Science	Gupta 15/7/26
7	Sharmila Ghosal	Bengali	Ghosal 15/07/26
8	NILOFER ALI	Mathematics	NAli 15/07/26
9	ANTARA MAZUMDAR	Mathematics	AM 15/7/26
10	Basnali Saha	"	Bsaha 15/7/26
11	SOMDUTTA ROY	Statistics	Somdutta Roy. 15/7/26
12	Dr BIJITA BISWAS	MATHEMATICS LADY BRABOURNE COLLEGE	15/7/26 Biswas 15/07/26
13	NANDINI RAYCHOWDHURY	BOTANY	NRC 15/07/26.
14	DEBALINA PAL	Computer Science	PAL 15/7/26
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