Shri Shivaji Education Society Amravati's Science College, Nagpur Department of Physics

# Report on The Lecture Series on Indian Astronomy (IKS-BIK2T02)

**Duration** – 1<sup>st</sup> to 8<sup>th</sup> April 2025

### **Report on**

### The Lecture Series on Indian Astronomy

(Prescribed for B.Sc. Part-I – Sem-II under the category IKS-BIK2TO2)

<b>Day - 1</b>
Date: 1 st April 2025,
Time: 4:00 PM – 6:0 PM
Guest Speaker: Hon'ble Prof. Krishna Kumar Pandey,
(Dean, Faculty of Ancient Indian Sciences and Humanities, KKSU, Ramtek)
Topic: UNIT I – Astronomy in Prehistoric Era, Astrology in Vedic Era, Vedang Jyotish

I

The Department of Physics successfully organized the Inaugural Program of the Lecture Series on Indian Astronomy, which is part of the B.Sc. Part-I, Semester-II curriculum under the Indian Knowledge System (IKS) category IKS-BIK2TO2.

The program commenced at 4:00 PM with the address by the Chief Guest, Hon. Prof. Suhas Pednekar, Former Vice-Chancellor of Mumbai University and Akhil Bhartiya Kalyankari Adhyaksh, Bhartiya Shikshan Mandal. His address highlighted the significance of Indian Astronomy and the need to integrate traditional knowledge with modern education.

Following the chief guest's address, several dignitaries delivered their brief remarks: Dr. Priya Wanjari, Principal, Dr. Omraj Deshmukh, Principal, SSESA'S Science College, Nagpur, Dr. D. V. Naik, Principal, Dr. Debashis S. Bhowmick, Principal, Dr. Dinkar Mrathe, Dr. Parag Joshi, Hon'ble Suresh Ji Deo, Secretary, Dharampeth Educational Society,

A Vote of Thanks was presented by Dr. Neehal Raza from 4:26 to 4:30 PM, expressing gratitude to all the dignitaries, organizers, and participants. The guest speaker, **Prof. Krishna Kumar Pandey**, was introduced between 4:30 and 4:32 PM, setting the stage for the highlight of the event. From 4:32 to 6:00 PM, **Prof. Krishna Kumar Pandey**, delivered an enlightening and engaging talk on Indian Astronomy, drawing connections between ancient Indian astronomical practices and their relevance to contemporary science education. The lecture was well-received by students and faculty alike, enriching their understanding of India's rich astronomical heritage. The inaugural session of the Lecture Series on Indian Astronomy marked a successful beginning to an academic initiative aimed at blending traditional wisdom with modern scientific education.



Date: 02/04/2025, Time: 4:30 PM – 6:00 PM Guest Speaker: Prof. Prasad Gokhale, (Professor at Kavikulguru Kalidas Sanskrit University, Ramtek.) Topic: UNIT – I Astronomical References in Religious Scriptures and Sanskrit Letrature

As a part of the academic enrichment and curriculum enhancement activities, J. M. Patel Arts, Commerce & Science College, Bhandara, organized a guest lecture on **2nd February 2025**. The lecture focused on "UNIT I: Astronomical References in Religious Scriptures and Sanskrit Literature," which forms a key component of Sanskrit and Jyotish studies.

The session was graced by **Prof. Prasad Gokhale**, a distinguished scholar and Professor in the Department of Vedang Jyotish at **Kavikulaguru Kalidas Sanskrit University (KKSU)**, **Ramtek**. Prof. Gokhale brought his deep expertise and years of research in the field of traditional Indian astronomy and scriptural studies to the session.

The event was convened by the faculty of **J. M. Patel Arts, Commerce & Science College**, with enthusiastic participation from both students and scholars interested in the confluence of astronomy, religion, and Sanskrit literature.

This session significantly contributed to the academic understanding of students pursuing Sanskrit and allied studies, bridging traditional wisdom with contemporary learning.



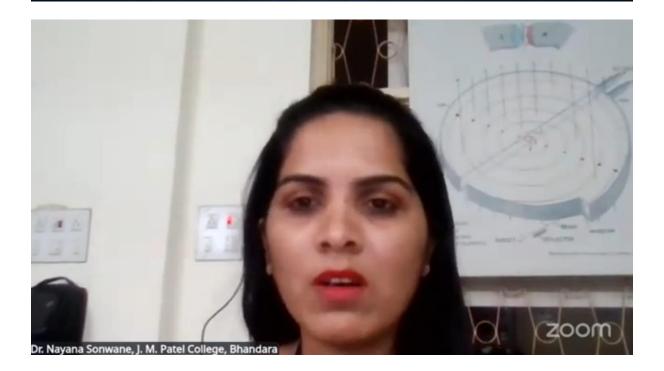
## DAY 2 ONLINE LECTURE SERIES ON INDIAN ASTRONOMY

### Unit I

Astronomical References in Religious Scriptures

Astronomies of The West

## Esteemed Expert Prof. Prasad Gokhale



#### **Convener:**

Faculty, J. M. Patel Arts, Commerce & Science College, Bhandara

### Date: 03/04/2025, Time: 4:30 PM – 6:30 PM Guest Speaker: Dr. Upendra Bhargav, (Associate Professor, at Maharshi Panini Sanskrit University, Ujjain.) Topic: UNIT III - Aryabhatta, Panch Siddhantas of Vaharimihira, Surya Siddhanta, Varahmihira to Bhaskar Acharya-II

The Lecture Series on Indian Astronomy (IKS-BIK2T02) is an enlightening academic initiative aimed at exploring and preserving the rich legacy of Indian astronomical knowledge. This series, organized by a consortium of educational institutions, has been a platform for students, researchers, and academics to delve into India's vast contributions to the field of astronomy. The event on April 8, 2025, marked the culmination of this 8 days' workshop journey, focusing on key areas of traditional Indian astronomy. The session was held under the esteemed patronage of Shri Shivaji Education Society, Amravati's Science College, Congress Nagar, Nagpur, and in association with Bhartiya Shikshan Mandal and Kavikulguru Kalidas Sanskrit University, Ramtek.

### Workshop Overview:

The Lecture Series on Indian Astronomy (IKS-BIK2T02) was held from April 1 to April 8, 2025, and aimed at exploring the rich legacy of Indian astronomical science. The event on Day 3, April 3, 2025, specifically focused on Unit II, which highlighted important contributions to Indian astronomy by legendary scholars such as Aryabhatta, Varahamihira, and Bhaskaracharya II. This session was conducted in collaboration with Bhartiya Shikshan Mandal and the Department of Vedang Jyotishi, Kavikulguru Kalidas Sanskrit University, Ramtek.

The session, took place in a virtual format, was aimed at offering a platform for students, faculty members, and enthusiasts of Indian astronomy to engage in academic discussions and enrich their knowledge about the ancient astronomical systems of India.

### **Purpose of the Lecture Series:**

The purpose of the *Lecture Series on Indian Astronomy* was to deepen the understanding of Indian knowledge systems, particularly in the field of astronomy. The event sought to honor the contributions of India's greatest astronomers and their works, which have not only shaped ancient astronomical thought but also influenced modern scientific theories and practices. The series aimed at exploring Indian astronomical heritage and highlighting the importance of these contributions in the context of contemporary science.

### **Inaugural Session:**

The event began with the **Welcome Address** delivered by **Dr. Gajanan L. Jadhav**, Assistant Professor at Science College, Nagpur. Dr. Jadhav paid tribute to **Dr. Panjabrao alias Bhausaheb Deshmukh**, a visionary leader and the founder-president of Shri Shivaji Education

Society, whose immense contributions to the field of education and social development continue to inspire generations.

Dr. Jadhav also extended a warm welcome to the **distinguished dignitaries**, including the esteemed **patron**, **chief organizers**, and the **IQAC coordinators** from various participating colleges, such as:

- Dharampeth M. P. Deo Memorial Science College, Nagpur
- J. M. Patel Arts, Commerce & Science College, Bhandara
- Dr. M. K. Umathe College, Nagpur
- Santaji Mahavidyalaya, Nagpur
- College of Multidisciplinary Studies, Nagpur

He emphasized the importance of this lecture series and the collaboration between **Bhartiya Shikshan Mandal** and **Kavikulguru Kalidas Sanskrit University**, which made this event possible. Dr. Jadhav pointed out how the event aims to enrich our knowledge of Indian astronomy and its ongoing influence on the modern scientific community.

### Key Lecture Topic: Unit II of the Lecture Series

The focal points of Day 3's lecture was based on Unit II of the lecture series, which covered:

### 1. Aryabhatta's Contributions:

The first part of the lecture focused on **Aryabhatta**, one of India's most renowned astronomers and mathematicians. Dr. Bhargav highlighted Aryabhatta's revolutionary contributions, such as the **heliocentric model**, which proposed that the Earth rotates on its axis. He also discussed Aryabhatta's work on **pi** and the **movement of planets**, which laid the foundation for later astronomical advancements.

### 2. Panch Siddhantika of Varahamihira:

The **Panch Siddhantika**, or *Five Astronomical Systems*, was explored next. Dr. Bhargav explained how **Varahamihira** integrated previous astronomical knowledge and developed a system that was ahead of its time. His work remains influential in Indian astronomy and played a significant role in the development of the field.

### 3. Surya Siddhanta:

The **Surya Siddhanta**, one of the oldest and most important texts in Indian astronomy, was examined. Dr. Bhargav detailed the text's **astronomical** and **mathematical insights**, explaining how it served as a guide for generations of astronomers.

### 4. Transition from Varahamihira to Bhaskaracharya II:

The lecture also covered the intellectual evolution from Varahamihira to Bhaskaracharya II (Bhaskara II). Bhaskara II's work on planetary motions and his formulation of the sine function in trigonometry was discussed as one of the milestones in the progression of Indian astronomical thought.

### Guest Speaker: Dr. Upendra Bhargav

The distinguished guest speaker for the session was **Dr. Upendra Bhargav**, Associate Professor at **Maharshi Panini Sanskrit University**, **Ujjain**. Dr. Bhargav is widely recognized for his expertise in **Sanskrit**, **Vedic studies**, and **ancient Indian sciences**. Dr. Bhargav's scholarship is rooted in the promotion of **interdisciplinary research** and **cultural exchange**, making him a key figure in the modern interpretation of ancient Indian knowledge systems.

The Vote of Thanks was delivered by Dr. Gajanan L. Jadhav, who expressed his profound gratitude to Dr. Upendra Bhargav for his engaging lecture. He also acknowledged the invaluable support of the patrons, chief organizers, and IQAC coordinators. Special thanks were given to Bhartiya Shikshan Mandal and the Department of Vedang Jyotishi, Kavikulguru Kalidas Sanskrit University, Ramtek, for their collaboration in organizing the lecture series.

Dr. Jadhav also extended his thanks to all **students**, **faculty members**, and **participants**, emphasizing their active engagement and contribution to the success of the event. He concluded by acknowledging the **organizing team's efforts**, which made this session a resounding success.

The third day of the Lecture Series on Indian Astronomy proved to be an enlightening session that explored some of the most influential contributions to Indian astronomy. Dr. Upendra Bhargav's in-depth discussion on Aryabhatta, Varahamihira, the Surya Siddhanta, and Bhaskara II provided a deep insight into the evolution of astronomical knowledge in India. The session helped foster a greater appreciation for the rich heritage of Indian astronomical thought and its ongoing relevance in modern scientific research.

The event's success can be attributed to the collaborative efforts of all involved, and it set the stage for future academic engagements that further explore the integration of ancient Indian knowledge systems with contemporary research.



dr upendra bhargava

Activate Windows Go to Settings to activate W

Date: 04/04/2025, Time: 4:00 PM – 6:30 PM Guest Speaker: Hon'ble Prof. Krishna Kumar Pandey, (Dean, Faculty of Ancient Indian Sciences and Humanities, KKSU, Ramtek) *Topic: UNIT III – Siddhant Shiromani of Bhaskar Acharya-II, Bhaskar Acharya -II* 

The fourth day of the *Lecture Series on Indian Astronomy (IKS-BIK2T02)* was held on 04th April 2025 at Santaji Mahavidyalaya, Nagpur. The session commenced at 4:00 PM and concluded at 6:30 PM. The event witnessed the gracious presence of **Prof. Krishna Kumar Pandey**, a renowned scholar and the Dean of the Faculty of Ancient Indian Sciences and Humanities at KKSU, Ramtek.

### **Highlights of the Session:**

The focus of the lecture was on **Unit II: Siddhanta Shiromani**, a monumental astronomical treatise authored by the legendary Indian mathematician and astronomer **Bhaskaracharya II**. Prof. Pandey provided deep insights into the various sections of the text, elaborating on its four major parts — *Lilavati*, *Bijaganita*, *Grahaganita*, and *Goladhyaya*.

Key takeaways from the lecture included:

- A historical overview of **Bhaskaracharya II**, highlighting his contributions to astronomy and mathematics in 12th-century India.
- Detailed discussions on the astronomical methods used in *Siddhanta Shiromani*, particularly in tracking planetary positions, eclipses, and time calculations.
- The mathematical brilliance in *Lilavati* and *Bijaganita*, showcasing Bhaskaracharya's contributions to algebra and arithmetic.
- The relevance of Bhaskaracharya's works in contemporary scientific and mathematical studies.
- Interactive discussions that encouraged student and faculty engagement with the core principles of Indian knowledge systems.

The lecture was intellectually enriching and provided a profound understanding of ancient Indian astronomy through the lens of Bhaskaracharya's *Siddhanta Shiromani*. Prof. Pandey's articulate and insightful presentation captivated the audience, sparking a renewed interest in the scientific heritage of India. The day concluded with a vote of thanks and an interactive Q&A session, leaving the participants with a deeper appreciation for India's astronomical legacy.

Convener of the Day: Santaji Mahavidyalaya, Nagpur



## DAY 4 ONLINE LECTURE SERIES ON INDIAN ASTRONOMY

### Unit II

Siddhant Shiromani of Bhaskar Acharya-II

Bhaskar Acharya-II to Jai Singh

Jai Singh and his Observatories

Esteemed Expert

### Prof. Krishna Kumar Pandey

Dean, Faculty of Ancient Indian Sciences and Humanities, KKSU

## Day 4 of Lecture Series on Indian Astronomy by Prof. Krishna Kumar Pa...

660 views



### **Report on**

### The Lecture Series on Indian Astronomy (IKS-BIK2T02)

**Day - 5** 

Date: 05/04/2025,

Time: 4:00 PM - 6:30 PM

Guest Speaker: Shri Anvesh Devalapalli,

(Research Scholar, Dept. of Vedang Jyotishi, Kavikulguru Kalidas Sanskrit University, Ramtek.)

Topic: UNIT III – Interaction with the Astronomies of the world, Modern Era Astronomy

The fifth session of the ongoing *Lecture Series on Indian Astronomy (IKS-BIK2T02)* was successfully held on **05th April 2025** at **Dr. M. K. Umathe College, Nagpur**, from 4:00 PM to 6:30 PM. The session was graced by **Shri Anvesh Devalapalli**, an emerging scholar from the Department of Vedang Jyotishi, KKSU, Ramtek.

The focus of the lecture was on the **interaction between Indian astronomy and global astronomical traditions**, as well as the developments in **modern era astronomy**. Shri Devalapalli offered a comparative overview of ancient Indian astronomical concepts with those of other civilizations, such as Greek, Babylonian, and Islamic astronomy.

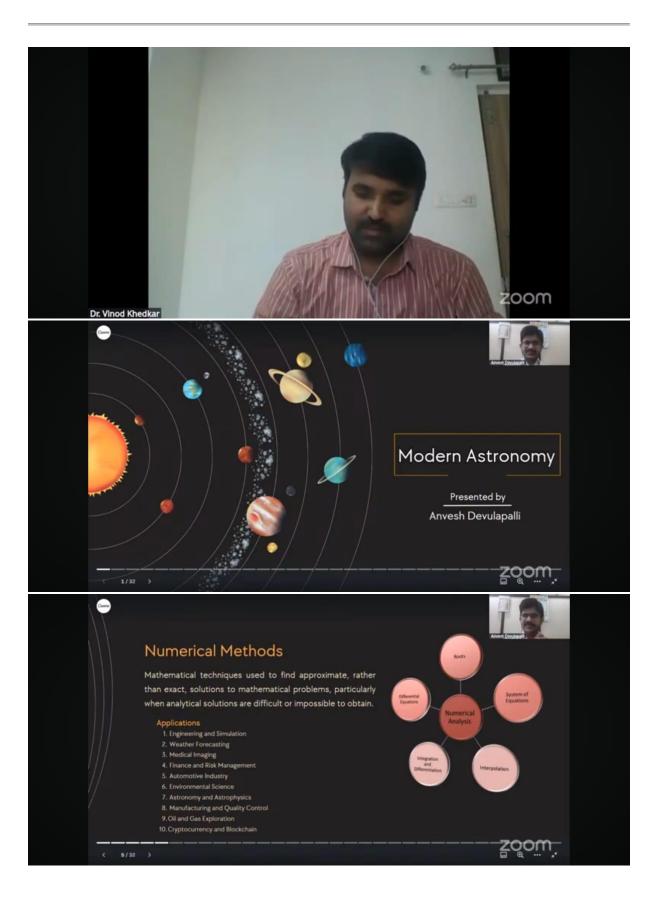
Key points discussed during the session included:

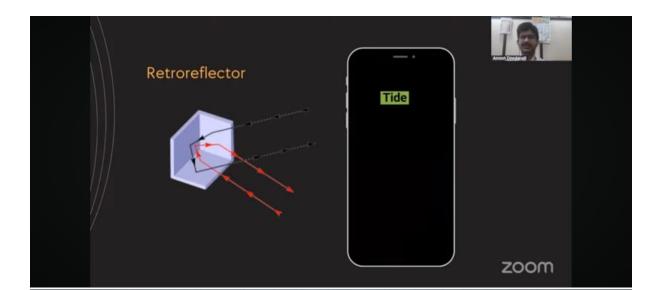
- The evolution of astronomical thought in India and its connections with global scientific traditions.
- Contributions of Indian astronomers like Aryabhata, Varahamihira, and Bhaskaracharya, and how their ideas resonated or contrasted with global counterparts.
- The transition from classical Indian astronomy to modern scientific astronomy.
- How ancient astronomical insights remain relevant and are being re-evaluated in the context of modern research.
- The importance of integrating traditional knowledge systems with modern scientific frameworks.

The session was interactive, with the audience actively engaging in thoughtful dialogue with the speaker. Shri Devalapalli encouraged students to explore interdisciplinary research, bridging traditional Indian wisdom and contemporary scientific methods.

The lecture proved to be enlightening and thought-provoking, providing a comprehensive understanding of the global context of Indian astronomy and its transformation into modern astronomical practices. The event not only deepened the participants' appreciation for India's scientific heritage but also emphasized the relevance of cross-cultural academic exchange. The session concluded with a formal vote of thanks and expressions of gratitude toward the speaker and organizers.

Convener of the Day: Dr. M. K. Umathe College, Nagpur





## DAY 5 ONLINE LECTURE SERIES ON INDIAN ASTRONOMY

### Unit III

After Jai Singh

Interaction with the Astronomies of the World

Modern Era Astronomy

**Esteemed Expert** 

### Shri. Anvesh Devalapalli

Research Scholar, Department of Vedang Jyotish, KKSU, Ramtek

## Day 5 of Lecture Series on Indian Astronomy, by Shri. Anvesh Devalapal...

424 views

### Date: 06/04/2025, Time: 4:30 PM – 6:00 PM Guest Speaker: Dr. Rajat Gautam, (Assistant Professor, Central Sanskrit University, Devprayag Campus, Uttarakhand.) *Topic: UNIT III – Our Universe, Cosmology*

The sixth session of the *Lecture Series on Indian Astronomy (IKS-BIK2T02)* was held on **06th April 2025** from **4:30 PM to 6:00 PM**. The guest speaker for the day was **Dr. Rajat Gautam**, Assistant Professor at Central Sanskrit University, Devprayag Campus, Uttarakhand. His extensive expertise in ancient Indian cosmology brought depth and clarity to the day's theme: "**Our Universe – Cosmology**", as part of **Unit III** of the series.

Dr. Gautam delivered an insightful lecture focusing on the cosmological concepts found in Indian knowledge systems, particularly from Vedic, Puranic, and classical Sanskrit texts.

Key areas covered included:

- Traditional Indian perspectives on the origin and structure of the universe.
- The concept of *Brahmanda* (cosmic egg), *lokas* (worlds), and the cyclic nature of time.
- Comparison between ancient Indian cosmology and modern scientific cosmological theories.
- Philosophical underpinnings of cosmological ideas in texts such as the *Rigveda*, *Puranas*, and *Vedanga Jyotisha*.
- Reflections on how these ideas shaped early Indian astronomical thought and their influence on later developments.

Dr. Gautam's presentation was engaging and was followed by a dynamic Q&A session, where participants explored connections between cosmological theories and contemporary space science.

The session offered a rich exploration of ancient Indian cosmological wisdom, sparking interest among students and faculty alike. Dr. Gautam's scholarly yet accessible delivery made complex ideas approachable, encouraging further inquiry into the synthesis of science and philosophy in Indian astronomy. The day concluded with a warm vote of thanks and an acknowledgment of the speaker's valuable contribution.

## DAY 6 ONLINE LECTURE SERIES ON INDIAN ASTRONOMY

Unit III

Our Universe
 Cosmology

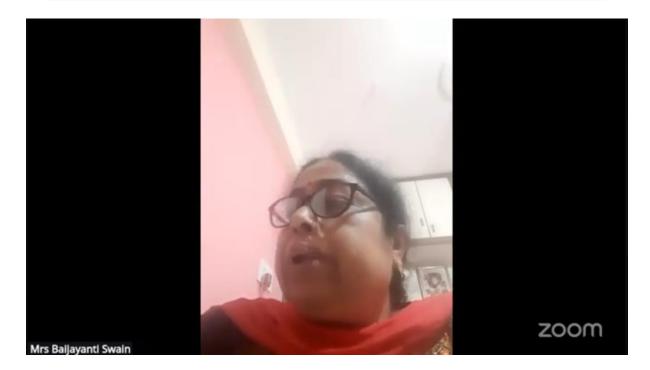
**Esteemed Expert** 

### Dr. Rajat Gautam

Assistant Professor, Central Sanskrit University, Devprayag Campus, Uttarakhand

## Day 6 of Lecture Series on Indian Astronomy, by Dr. Rajat Gautam San...

390 views



#### ऋग्वेद में विश्ववर्णन

- "नतं विदधाय इमा जना नान्यदुष्माकमन्तं बभूव नीहारेण प्रावृता जल्प्या चाप्सुल्प उक्थशां संश्वरन्ति"। (10.82.07)
- "अजस्य नाभा वध्येकमर्पितं यस्मिन् विधानि भुवनानि तस्युः ।" (10.82.06)
- "In that vast gaseous cloud, in that nebula, which once floated in the death-cold realm of speech, there were the elements of all that is. All that is, all that ever will be came from the gas."
- (macmillan)
- सहस्शीर्षा पुरुषः.....



#### Role of Jyotisha

- "कर्मार्जितं पूर्वभवे सदादि यत्तस्य पंक्तिं समभिव्यनक्ति।"
- Connection of planets to human being.
- Moon and others palnets example





#### Mr. James Hopewood Jeans

- · The age of the earth is about 200 million years
- The condition of the creatures on the earth has been around for 300 million years.
- According to Mr. Jeans, the condition of human beings is on the earth for about three lakh years.
- The origin of the present world is not random or sudden. It has emerged as a result of a sequence. No object or creature can arise suddenly on this. According to James Jeans, the great scientist of the 20th century, the age of this earth is about two hundred crore years.
- This estimate of them matches with the calculation of Panchang karas of India. In almost every
  Panchang, the past years of creation are described. That is, the number of years passed from the
  beginning of creation till the present year is given in the Panchang. The number given by the
  Panchangkaras is not based on imagination and speculation. There are fixed principles for this. It is
  particularly important to note here that this calculation of almanacs is being verified by the new
  western scientists.

Date: 07/04/2025, Time: 4:30 PM – 6:00 PM Guest Speaker: Dr. Pranav Muley, Topic: Unit IV – Observational Instruments of Indian Astronomy, Jai Singh and His Observatories

The Lecture Series on Indian Astronomy (IKS-BIK2T02) is an enlightening academic initiative dedicated to exploring, preserving, and disseminating the profound legacy of Indian astronomical heritage. This 8-day lecture series, jointly organized by Shri Shivaji Education Society, Amravati's Science College, Congress Nagar, Nagpur, in collaboration with Bhartiya Shikshan Mandal and Kavikulguru Kalidas Sanskrit University, Ramtek, provided a platform for scholars, students, and enthusiasts to immerse themselves in the historical and scientific dimensions of Indian astronomy.

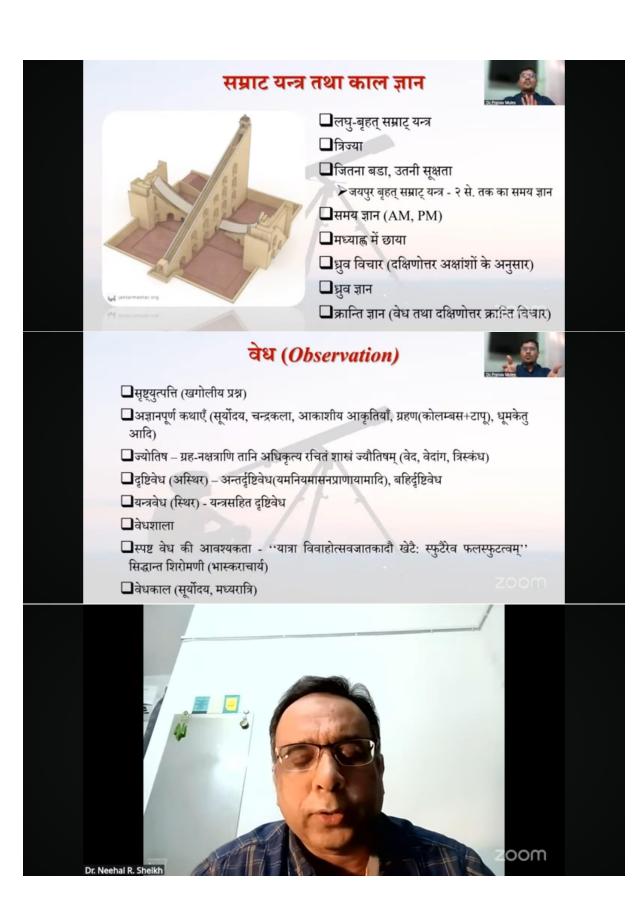
On Day 7, dated 07 April 2025, the session was conducted from 4:30 PM to 6:00 PM and featured a compelling lecture by the distinguished guest speaker Dr. Pranav Muley. The topic of discussion, "Unit IV-Observational Instruments of Indian Astronomy, Jai Singh and His Observatories", focused on the rich tradition of astronomical instrumentation in India, with particular emphasis on the innovative contributions of Maharaja Jai Singh II.

Dr. Muley provided deep insights into the scientific brilliance of Jai Singh, who established five major observatories—known as *Jantar Mantars*—located in Delhi, Jaipur, Ujjain, Mathura, and Varanasi. These observatories stand as testaments to the empirical rigor and architectural ingenuity of Indian astronomers in the 18th century. The lecture examined the large-scale instruments designed by Jai Singh for naked-eye observations and accurate celestial measurements, including the **Samrat Yantra**, **Jai Prakash Yantra**, and **Ram Yantra**.

The session also highlighted the synthesis of traditional Indian astronomical practices with influences from Islamic and European astronomical techniques, showcasing how Jai Singh's work represented a forward-thinking fusion of science, mathematics, and architectural precision.

Participants engaged actively with the speaker, gaining a comprehensive understanding of how ancient Indian observational instruments were not only technologically advanced but also deeply rooted in a cultural and philosophical worldview that revered the cosmos.





### **Report on**

### The Lecture Series on Indian Astronomy (IKS-BIK2T02)

**Day - 8** 

Date: 08/04/2025, Time: 4:00 PM – 6:30 PM Guest Speaker: Dr. Ambalika Shriniwas Sethiya, (Associate Professor at Kavikulguru Kalidas Sanskrit University, Ramtek.) Topic: UNIT IV Panchag, Horoscope and Astrology, Astronomical Siddhantas, Karnas and Koshtkas

The Lecture Series on Indian Astronomy (IKS-BIK2T02) is an enlightening academic initiative aimed at exploring and preserving the rich legacy of Indian astronomical knowledge. This series, organized by a consortium of educational institutions, has been a platform for students, researchers, and academics to delve into India's vast contributions to the field of astronomy. The event on April 8, 2025, marked the culmination of this 8 days' workshop journey, focusing on key areas of traditional Indian astronomy. The session was held under the esteemed patronage of Shri Shivaji Education Society, Amravati's Science College, Congress Nagar, Nagpur, and in association with Bhartiya Shikshan Mandal and Kavikulguru Kalidas Sanskrit University, Ramtek.

#### Valedictory Function Address:

#### Hon'ble Dr. Omraj Deshmukh (Principal, SSESA'S Science College, Nagpur)

Hon'ble Dr. Omraj Deshmukh sir's inaugural address served as an inspiring and motivating start to the Lecture Series on Indian Astronomy. His words highlighted the importance of preserving India's ancient scientific knowledge and the critical role of educational events like this in engaging the academic community in meaningful discussions about the past and future of Indian Astronomy.

The address also emphasized the legacy of Dr. Panjabrao Deshmukh, whose vision for education continues to shape institutions like Shri Shivaji Education Society. Dr. Deshmukh's call for active engagement and knowledge sharing set the tone for a series of sessions aimed at deepening participants' understanding of Indian astronomical wisdom and encouraging interdisciplinary collaboration. The inaugural address was an essential part of a broader effort to foster a greater appreciation for India's intellectual heritage, particularly in the fields of astronomy, astrology, and ancient sciences.

The event commenced with a Welcome Address by Dr. Gajanan L. Jadhav, Assistant Professor at Shri Shivaji Education Society's Science College, Nagpur. Dr. Jadhav began by paying tribute to Dr. Panjabrao alias Bhausaheb Deshmukh, the first Agriculture Minister of India, a member of the Constitution Committee, and the founder-president of Shri Shivaji Education Society. His contributions to education and the development of Indian society were celebrated, setting a tone of reverence for the historical and academic significance of the event.

Dr. Jadhav extended a warm welcome to the distinguished guests, including the **Hon'ble Principals** and **IQAC Coordinators** from the participating colleges, such as:

- Dharampeth M. P. Deo Memorial Science College, Nagpur
- J. M. Patel Arts, Commerce & Science College, Bhandara
- Dr. M. K. Umathe College, Nagpur
- Santaji Mahavidyalaya, Nagpur
- College of Multidisciplinary Studies, Nagpur

He highlighted the focus of Day 8 of the series on Indian Astronomy, organized under the Indian Knowledge Systems (IKS) category. Dr. Jadhav mentioned that the day's session would delve into important topics, including Panchaang, Horoscope, and Astrology, Astronomical Siddhantas, and Karnas and Koshtakas, shedding light on India's ancient astronomical wisdom.

Following the opening remarks, Dr. Gajanan Jadhav introduced the esteemed Guest Speaker, Dr. Ambalika Shriniwas Sethiya, an Associate Professor at Kavikulguru Kalidas Sanskrit University, Ramtek. Dr. Sethiya is a renowned scholar in the fields of Vedang Jyotish, Sanskrit, Vedic studies, and ancient Indian sciences. Her academic credentials are impressive, with degrees in B.Com., B.A., M.A. (Gold Medal), M.Phil., and Ph.D. in Vedang Jyotish. Additionally, Dr. Sethiya holds diplomas in Vastushastra, Agam, Manuscriptology, and Environmental Studies, showcasing her diverse expertise in ancient knowledge systems.

Dr. Sethiya's lecture focused on the significance of **Indian Astronomy** in traditional knowledge systems, particularly how elements like **horoscopes**, **Panchaang**, and **Siddhantas** are intricately tied to cultural practices and celestial observations in Indian society.

#### **Content of the Lecture:**

The lecture on **Day 8** of the series was divided into three major topics:

#### 1. Panchaang, Horoscope, and Astrology:

- Dr. Sethiya provided an in-depth explanation of the **Panchaang**, a traditional Indian calendar that marks auspicious times for various activities. She explained the concept of **horoscopes** in the Indian context, detailing the connection between planetary movements, astrology, and their influence on human life.
- She also discussed the role of astrology in guiding decisions and practices in everyday life, highlighting how ancient astronomers used astronomical calculations to predict cosmic events and their earthly implications.

#### 2. Astronomical Siddhantas:

• The lecture covered the **Siddhantas**, which are ancient Indian astronomical texts that outline methods for calculating planetary positions and celestial events. Dr. Sethiya explained the various **astronomical systems** that evolved over centuries in India, such as the **Surya Siddhanta** and **Panch Siddhantika** by Varahamihira. These texts have had a lasting influence on Indian astronomy and continue to serve as foundational references for astronomical study.

#### 3. Karnas and Koshtakas:

• Dr. Sethiya elaborated on the concepts of **Karnas** and **Koshtakas**, which are ancient methods used to divide the sky and map the celestial sphere. These systems were used to predict time intervals and celestial events, which are essential components of Indian

astronomical practices. She explained how these techniques are integrated with traditional astrological practices to guide rituals and cultural activities.

The session concluded with a **Vote of Thanks** delivered by **Dr. Gajanan Jadhav**. He expressed his deep appreciation for Dr. Sethiya's insightful lecture, noting how her expertise had brought new perspectives on the integration of **astronomy** and **astrology** in ancient India. Dr. Jadhav acknowledged Dr. Sethiya's invaluable contributions to the field and her role in promoting interdisciplinary research and cultural exchange.

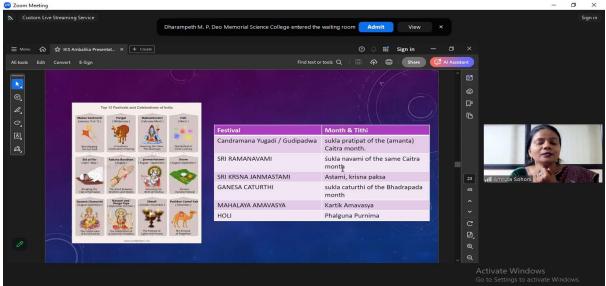
Dr. Jadhav also thanked the **Hon'ble Principals** of the participating colleges, the **IQAC Coordinators**, and all other dignitaries for their support. He extended heartfelt gratitude to **Bhartiya Shikshan Mandal** and the **Department of Vedang Jyotishi, Kavikulguru Kalidas Sanskrit University**, for their collaboration in organizing this successful event. He thanked all the **attendees and participants**, whose engagement made the event memorable and meaningful.

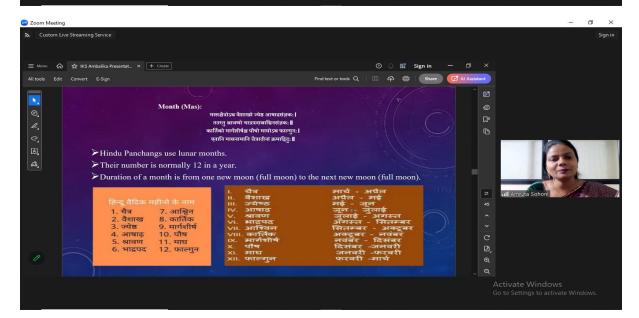
The Lecture Series on Indian Astronomy (IKS-BIK2T02) successfully concluded with a comprehensive and thought-provoking session on April 8, 2025. The topics presented, such as **Panchaang**, **Horoscope**, **Astronomical Siddhantas**, and **Karnas and Koshtakas**, provided an indepth understanding of ancient Indian astronomical practices and their cultural significance. The participation of esteemed scholars like **Dr. Ambalika Shriniwas Sethiya** and the collaborative efforts of all involved institutions ensured that the lecture series was both academically enriching and culturally insightful.

The event encouraged interdisciplinary research and the exploration of India's heritage. This lecture series marked a significant milestone in promoting Indian Astronomy, and it is hoped that such academic endeavors will continue to flourish in the future.

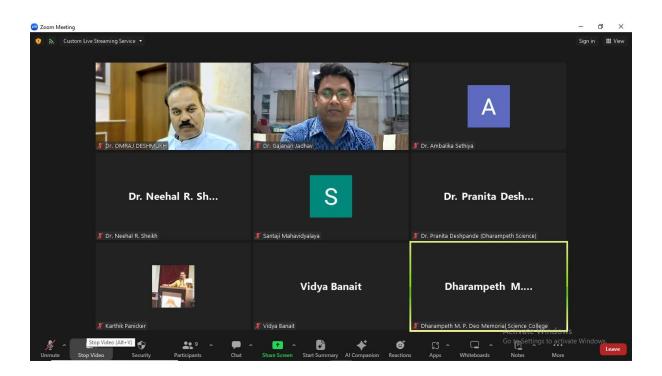
#### **Glimpses of Guest Lecture:**











LECTURE SERIES ON INDIAN ASTRONOMY							
(PRESCRIBED FOR B.Sc PART-1 - SEM-II) (UNDER THE CATEGORY IKS-BIK2T02)							
Jointly organised by Internal Quality Assurance Cells of In association with							
Dharampeth Education Society 's DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR Gondia Education Society 's J. M. PATEL ARTS, COMMERCE & SCIENCE COLLEGE, BHANDARA Satimata Shikshan Sanstha 's DR. M. K. UMATHE COLLEGE, NAGPUR	BHARTIYA SHIKSHAN MANDAL And						
Shri Santaji Shikshan Vikas Sanstha's SANTAJI MAHAVIDYALAYA, NAGPUR Saibaba Lokseva Sanstha's COLLEGE OF MULTIDISCIPLINARY STUDIES, NAGPUR Shri Shivaji Education Society, Amravati''s							
SCIENCE COLLEGE, NAGPUR Duration – 1 <sup>st</sup> to 8 <sup>th</sup> April,2025							
Time – 4:30 p.m. to 6:00 p.m. LIVE STREAMING ON D YouTube							
https://youtube.com/live/SQJzs4QioyU?feature=share							

Aurangabadkar Hon'ble President     Smit. Varsha Patel Hon'ble President     Umathe Hon'ble President     Smit. Varsha Patel Wanjari Hon'ble President     Adv. Omikar Umathe Hon'ble President     P. Deshmukh Hon'ble President       Dharampeth Education Society, Nagpur     Gondia Education Society, Gondia     Satimata Shikshan Sanstha, Nagpur     Shiri Santaji Shikshan Vikas Sanstha, Nagpur     Saibaba Lokseva Sanstha, Nagpur     Shiri Shivaji Educat Society, Amravat	Aurangabadkar         Smt. Varsha Patel         Umathe         Site           Hon'ble President         Hon'ble President         Hon'ble President         Hon'ble President           Dharampeth Education         Gondia Education         Satimata Shikshan         Shiri Shikshan	Wanjari 'ble President Santaji Shikshan	Hon'ble President Saibaba Lokseva Sanstha,	Shri. Harshvardhan P. Deshmukh Hon'ble President Shri Shivaji Education Society, Amravati	
Aurangabadkar Hon'ble President     Smit. Varsha Patel Hon'ble President     Umathe Hon'ble President     Smit. Surgent     Adv. Omkar Umathe Hon'ble President     P. Deshmukh Hon'ble President       Dharampeth Education Society, Nagpur     Gondia Education Society, Gondia     Satimata Shikshan Sanstha, Nagpur     Shiri Santaji Shikshan Vikas Sanstha, Nagpur     Saibaba Lokseva Sanstha, Nagpur     Shiri Shivaji Educati Society, Amravat       Imate Shiri Santaji Shikshan Society, Society, Gondia       Shri Santaji Shikshan Society, Society, Gondia       Satimata Shikshan Satimata Shikashan Satimata Shikshan Satimata Shikshan Satimata Shiksha	Aurangabadkar         Smt. Varsha Patel         Umathe         Site           Hon'ble President         Hon'ble President         Hon'ble President         Hon'ble President           Dharampeth Education         Gondia Education         Satimata Shikshan         Shiri Shikshan	Wanjari 'ble President Santaji Shikshan	Hon'ble President Saibaba Lokseva Sanstha,	P. Deshmukh Hon'ble President Shri Shivaji Education	
Dharampeth Education Society, Nagpur       Gondia Education Society, Gondia       Satimata Shikshan Sanstha, Nagpur       Shiri Santaji Shikshan Vikas Sanstha, Nagpur       Saibaba Lokseva Sanstha, Nagpur       Shiri Shivaji Educat Nagpur         Image: Imag	Dharampeth Education Gondia Education Satimata Shikshan Shri S	Santaji Shikshan	Saibaba Lokseva Sanstha,	Shri Shivaji Education	
	Hon'ble Secretary Hon'ble Secretary	Hon'ble Secretary			
Dharampeth Education Gondia Education Society, Gondia Society & President, CDC Nagpur Shri Santaji Shikshan V Society & President, CDC Nagpur	Dharampeth Education Gondia Education Society, Gondia	Satimata Shikshan Sanstha, Nagpur & Saibaba Lokseva Sanstha, Nagpur		Shri Santaji Shikshan Vikas Sanstha, Nagpur	

		С	HUE	FOR	GANI	SER	S			
					Agener Loose	and furnities a contact of the contact of the conta	G			
DR. A. V. PESHWE	DR. SHRIDHAR SHARMA	DR. D. V. NAIK		PRIYA NJARI	DR. DEBA BHOWM		DR. OMRAJ DESHMUK		DR. RAJESH SINGRU	DR. DINKAR MARATHE
Principal	Officiating Principal	Principal		incipal	Princi		Principal		Principal	Head, Dept of Vedang Jyotish
Dharampeth M. P. Deo Memorial Science College, Nagpur	J. M. Patel Arts, Commerce & Science College, Bhandara	Dr. M. K. Umathe College, Nagpur	Maha	antaji vidyalaya, 'agpur	College Multidiscij Studies, N	plinary	Shri Shivaj Education Soc Amravati's Sci College, Nag	iety, ence	Bhartiya Shikshan Mandal Vidarbha Prant Mahamatri	Kavikulguru Kalidas Sanskrit University, Ramtek
	DR NITIN GAIKWAD DR. KARTHIK DR. APURBA PAL DR. NEFHAL SHFIKH DR. BALJAYANTI DR. GAJANAN PROF. PARAG. JOSHI									
DR. NITIN GAIKWAI	PANICKER	DR. APURBA	PAL	DR. NEEHA	L SHEIKH		SWAIN	_	JADHAV	PROF. PARAG JOSHI
Dharampeth M. P. Dee Memorial Science College, Nagpur	J. M. Patel Arts Commerce & Scient College, Bhanda	nce College,		Santaji Mahavidyalaya, Nagpur Nagpur Sudia Nagpur Sudia Nagpur		Shivaji Education riety, Amravati's rience College, Nagpur	Kavikulguru Kalidas Sanskrit University, Ramtek			

		PROGRAM S	CHEDULE	
DATE	TIME	CONTENT	SPEAKER	CONVENER OF THE DAY
1/4/2025	4.30 – 6.00 pm	Unit I Astronomy in Prehistoric Era Astronomy in Vedic Era Vedang Jyotish	Prof. Krishna Kumar Pandey Dean, Faculty of ancient Indian Sciences & Humanities , KKSU Ramtek 9324151155	Dharampeth M. P. Deo Memorial Science College Nagpur
2/4/2025	4.30 – 6.00 pm	Astronomical References in Religious Scriptures and Sanskrit Literature	Prof. Prasad Gokhale Professor, Department of Vedang Jyotish, KKSU, Ramtek 9665300979	J. M. Patel Arts, Commerc & Science College, Bhandara
3/4/2025	4.30 – 6.00 pm	Unit II Aryabhatta Panch Siddhantika of Varahamihira Surya Siddhanta Varahamihira to Bhaskar Acharya-II	Dr. Upendra Bhargav Associate Professor Maharshi Panini Sanskrit University, Ujjain 9893926689	Shri Shivaji Education Society, Amravati's Scienc College, Nagpur
4/4/2025	4.30 – 6.00 pm	Unit II • Siddhant Shiromani of Bhaskar Acharya-II • Bhaskar Acharya-II	Prof. Krishna Kumar Pandey Dean, Faculty of ancient Indian Sciences & Humanities , KKSU Ramtek 9324151155	Santaji Mahavidyalaya, Nagpur
5/4/2025	4.30 – 6.00 pm	Unit III     Interaction with the Astronomies of the World     Modern Era Astronomy	Shri. Anvesh Devalapalli Research Scholar Department of vedang Jyotish KKSU, Ramtek	Dr. M. K. Umathe College Nagpur
6/4/2025	4.30 – 6.00 pm	Unit III • Our Universe • Cosmology	Dr. Rajat Gautam Assistant Professor Central Sanskrit University, Devprayag Campus, Uttarakhand 906/4476544	College Of Multidisciplina Studies, Nagpur
7/4/2025	4.30 – 6.00 pm	<ul> <li>Unit IV</li> <li>Observational Instruments of Indian Astronomy</li> <li>Jai Singh and his Observatories</li> </ul>	Dr. Pranav Muley Ph.D from KKSU, Ramtek. Scholar of Jyotisha, Nagpur 7888047648	Santaji Mahavidyalaya, Nagpur
8/4/2025	4.30 – 6.00 pm	Unit IV <ul> <li>Panchang, Horoscope and Astrology</li> <li>Astronomical Siddhantas</li> <li>Karnas and Koshtakas</li> </ul>	Dr. Ambalika Sethiya Assistant Professor Department of Vedang Jyotish KKSU ramtek 9552496266	Shri Shivaji Education Society, Amravati's Scienc College, Nagpur (VALEDICTORY)

---- 000 -----