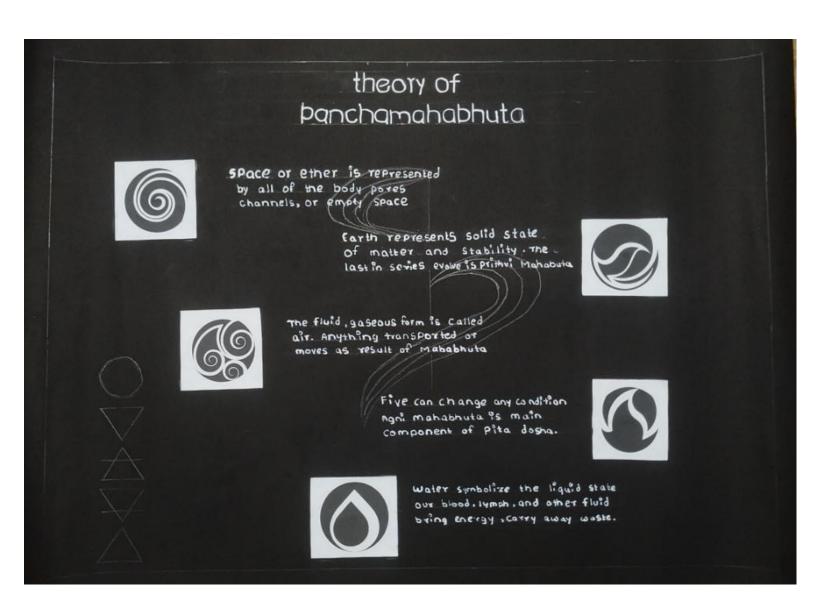
Poster Presentation on "Ancient Indian scientists & their meaningful contribution to development of science today"



troduction

The introduction of Aryabhatta to the world ened through his remarkable work in the field mathematics and astronomy. Aryabhata is one the most renowned Indian mathematicians, in fact The mast renounce must be dupted era that is during to the forths. Born in the dupted era that is during to mit of the dupted bynasty in 475 CE in husumapur talipatra, he was known for his extraordinary nowledge in the astronomical field. He has written man reaties in both mathematics and astronomy. He was so the author of many mathematical beeks which to ste is considered kely and reverend immensely. Many his works were lest, but some are still available for odern scholdrs and hold great credibility. And his wentions, discoveries and contributions have brought vide to our country. It has also inspired many building cientists to follow his path and make discoveries.

Who is Aryabhatta?

To understand who Argabiatts is it is important dig a little desper beyond the Argabiata scientist nd loom mere by finding Aryabhata Information about is inventions and discoveries. There is not enough information about his Personal life Rather, all are arious to know what did hay abhatta invented? And harefore Aryabhatta invented? And harefore Aryabhatta invented is at the conservation and Aryabhatta piscoveries is attil a topic of information. Are there is a new annexation currious to time about this Mathematical aemias.

Bast merination

Birth: 1476 CE

The Place - Kusumapaya, capital Patalipitra in the Gapta

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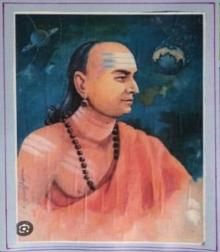
The Place - Capital Patalipitra

The Place - Ca

Aryabhato's works and Legacy

The legacy of Aryabhata is truly unmatched, a no one can replicate his major achievements at world-class level that is relevant to this law.

ARYABHATTA BIOGRAPH



Ayabhata died a successful mathematician, astronomer and scientist at the eye of 74. The place and time of death are still unknown. It was believed be spent most of his life in Husama ze, patalipatra.

Aryabhata's Legacy

Indian astronomical traditions and other cultures were highly influenced by Aryabhafa's work. His works, experiments and lightly influence by Influence to the several languages to help other astronomers. During the Islamic Golden Age, the Arabian translation was specifically influenced. Some of his results were cited by great Arabian methematicians such as Al-Birum and Al-khawarizmi who believed that the farth notates on its axis. Aryophate's definitions for cosine, sine, inverse sine, verse

sine gave birth to Trigonometry. He was ene of the first mathematician sine gave birth to irigonometry, he was aneat the first mathematician, to determine sine and versine (I-cosx) tables from a to 30 degrees in the internal of 3.15 degrees to an accuracy of 4 decimal places.

The modern names of Inganimetric functions, sine and cosine are derived from the Sanskrit words "Iya" and "kejya".

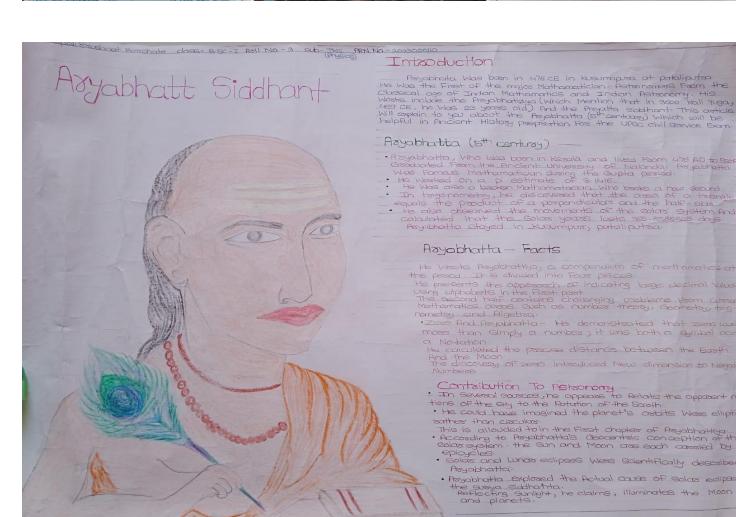
Which were introduced by him.

His astronomical calculation techniques were also very popular among different astronomers. They were wisely used to form Arabic astronomical tables "Zijes."



Conclusion

The contributions of a scientist since Aryabbata has never been the same. He truly made the world notice India, in terms of holding scientific knowledge and value that made a difference to the world. He challenged and contradicted many beliefs that were going on at the firme and through calculations provided pieces of evidence for it to be true. And after all these years, his work does not flinch from meticulous accuracy. There are very few scientists who achieved in their lifetime an extraordinary duty of work and Aryabhata was one of them.





Born: Kaytha, 14 June 1444 Died: 587 Ujjain Perents: Aditya dasa Siblings: Bhadrabhau Noteble Works: Pancha- siddhantika, Brhat-samhita, Brihajjataka

Nilkantha Writing Substantiate his knowled Several branches of Indian philosophy and cultive Said that he could refer to a minimals a authority establish his view-point in a debale and with equal apply a grammatical dietum to the Same purpose Writings he refers to a Minimals authority quotes extending Pingala's chads-sutra Scriptule Dharmasastras I And Vish nupurana also Sundararaja a contemporal astrohomer refers to Nilkantha as Sod-darshan - pone who had mastered the six Systems of India

Early life:- Nilkantha was born into Brahmin family

came from South Malabar in kerela.

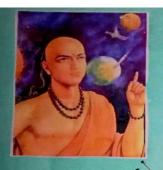
Information: One of the most famous schools of Mathematics astronomy in India was the kerala School of maths and astronomy, founded by Madhava of Sangamagrama during the astronomy, founded by Madhava of Sangamagrama during the letth Century, who made pioneering Studies in infinite series, calculus, trignometry, geometry and algebra He was born around 1250 near to floor, a panchyat in kerala's Thrissur district. He was the first use infinite Series approximation for a range of trigonometric function, which has often been regarded as a significant Step to move from the finite step of ancient mathematics towards an infinite limit.

Most of the mathematical discoveries of the kerala School, came from an effort to Solve astronomy problems. Their most important results, related to Series expansion for trigonometry was recorded in a book called Tantrasangraha. They also provided what is now considered the first example of a power Series, especially for Several infinite Series expansions, including Sine and arctane, two conturies before Europe invented calculus.

Name - Sanket Abhijeet Patil PRN no. - 2023000158 Std - BSC I

Works: 1. Tantrasamgraha

- 2. Golasara: Description of basic astronomical element and Procedures.
- 3. Sidhhantadarpana: A Short work in 32 slokas enunciati astronomical constant with reference to the kalpa and Specifying his views on astronomical concepts and topic
- 4. Condrachayaganita: A work in 32 verses on the method for the calculation of the time from the measureme of the shadow of the gnoman cost by the moon and vice Versa.
- 5. Aryabhatiya bhashya : Elaborate commentary on Aryab
- Sidhhantadarpana Vyakhya: Commentary on his own Siddhanta dara pana.
- Chandra chhayaganita Vyakhya: Commentary on the



Basic Information &

Birth place: - Kusumapara, capital Patolotrain megagipta

Present Day: Birthoplace is known to be Bither, Palnet , Inde Works :- His Most Notable work is Anythatiyad Anya Death 5- 550 CE

Longly Sion on The condition

notice India, in terms of holding scientific knowledge challenged notice India in terms at holding scientific traditions continuous contradition many beliefs that were againg an at the time and the critical many beliefs that were againg an at the time and the critical many all those years a his work alones not direct from and other meticulaus accuracy. There are very tew scientists who mayor in their Wetime an extraordinary duty of work and finally all their telephones are continuously. In their Wetime an extraordinary duty of work and finally all their telephones are continuously.

Name :- Harshad Vikus Mon Subject :- Iks Roll No :- 40 class 2- Osc I

Introuctin :-

The introuction of Azybhatla the word happened through his emarkable work in the field of halkemetties and astronomy. Arythadia is

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Arryabhatas Legacy :-

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very popular among different astronomous. They were width used to form Arable astronomical dables "Zijee" Consider one other soul from the sanskit words "Joy" and kojja which were introduced by him.



