

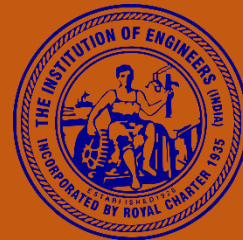


The Computer Society of India- Surat Chapter

And

The Institution of Engineers (India)

South Gujarat Local Center



## Scientific Heritage of Ancient India

By

**Dr. Raj Vedam**

At

**The Institution of Engineers (India)**

Mahida Bhavan, Opp. S.V.N.I.T, Ichchanath, Surat

on

**22nd December 2019, at 10.00AM**

### Dr. Raj Vedam

B.E.(Electrical) : University of Mysore  
M.Sc. Eng.(Electrical) : IISc (Bengaluru)  
Ph.D.(Electrical) : Oregon State Univ., USA

#### Co-Founder

Indian History Awareness & Research, USA

#### Director

Arsha Vidya Satsanga

#### History Book Reviewer

Telangana State Schools, Std.6<sup>th</sup> to 10<sup>th</sup>  
Texas Education Agency, USA

#### Industrial Experience

26 years of experience in Power, Aircraft,  
Electronic Design Automation, and Oil & Gas



/raj.vedam.1



@RajVedam1

Whether it is astronomy, math, medicine, philosophy or sciences, ancient Indians made great progress in these fields, attributing advances in these works to ancient Rishis. In present day narratives, we see a continuance of colonial narratives that positions India as a sink for knowledge that arose in ancient Greece and Babylonia, disregarding Indic sources and citations, labelling them as “unreliable”.

In recent times, several researchers such as Prof. Ghevarghese, Prof. C.K. Raju, Prof. Subhash Kak among others are critiquing the dominant narrative and presenting evidence that challenge such assertions.

In this talk, the speaker will introduce instances of scientific knowledge in each of these areas, and will illustrate ancient ecosystems that required the nurturing of such knowledge in ancient India.

Using multidisciplinary tools and published scientific works, the speaker will show the origin of several key scientific ideas in ancient India, wrongly attributed to ancient Greece and Babylonia.

The speaker will highlight several ancient pathways by which Indic knowledge systems traversed the ancient and recent world, seeding and enriching the corpus of scientific works.

### Event Contact

Tejesh Patel  
9879505557, tejesh@stral.in

**REGISTRATION IS FREE BUT COMPULSORY**

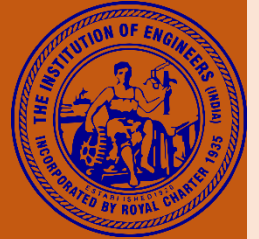
<http://bit.ly/CSI-IEI-Surat-RajVedam>



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### Selected Full Length Talks by Dr. Raj Vedam

- 1. Where Ideas Collide: The Story of Indian History - Part I**  
Indus University, Center for Indic Studies, Ahmedabad, Aug 2019  
<https://www.youtube.com/watch?v=xpeylplx3GE>
- 2. Where Ideas Collide: The Story of Indian History - Part II**  
Indus University, Center for Indic Studies, Ahmedabad, Aug 2019  
<https://www.youtube.com/watch?v=WMOIDCGmB5E>
- 3. Where Ideas Collide: The Story of Indian History - Part III**  
Indus University, Center for Indic Studies, Ahmedabad, Aug 2019  
<https://www.youtube.com/watch?v=fPHbLTBfmM>
- 4. Open Questions in the Narration of History of India**  
NIMCJ, Ahmedabad, Aug 2019  
<https://www.youtube.com/watch?v=8TwU0wO8jVw>
- 5. Indian Civilisation: The Untold Story – Revisited**  
Srijan Talks, IIC, New Delhi, Dec 2018  
<https://www.youtube.com/watch?v=1bsyi4zYHP0>
- 6. Was There An Aryan Invasion? Reviewing Tony Joseph And David Reich's Assertions**  
Sham Sharma Show, Chicago, May 2019  
<https://www.youtube.com/watch?v=jha7sbKEn24>
- 7. How India became poor**  
Upword, New Delhi, Dec 2018  
<https://www.youtube.com/watch?v=eYchTQljhTY>
- 8. Indian civilization: The Untold Story**  
Srijan Talks, New Delhi, Dec 2018  
<https://www.youtube.com/watch?v=RGyivyXEKdc>
- 9. The Untold History of Ancient India - A Scientific Narration**  
OMNIO Talks, Bengaluru, Nov 2018  
<https://www.youtube.com/watch?v=sPM1Zce70Kc>
- 10. Ancient Indian Knowledge: Roots And Routes**  
OMNIO Talks, Bengaluru, Nov 2018  
<https://www.youtube.com/watch?v=Wl-Jhq-kJJo>
- 11. Of Ancient Star-Gazers and Story-Spinners**  
TEDx, University of Texas, Austin, March 2018  
[https://www.youtube.com/watch?v=Jq\\_DXtfeXw](https://www.youtube.com/watch?v=Jq_DXtfeXw)
- 12. On Estimating The Date of Ramayana**  
Hindu Temple of Woodlands, Texas, June 2017  
<https://www.youtube.com/watch?v=EbazVc2lKVM>
- 13. Selected Contributions of India to Knowledge Systems**  
WAVES, Dallas, Texas, Aug 2018  
[https://www.youtube.com/watch?v=p1\\_QpweL0nM](https://www.youtube.com/watch?v=p1_QpweL0nM)
- 14. Antiquity of Indian Medical Systems**  
India House, Houston, Sept 2016  
<https://www.youtube.com/watch?v=Le-b3aV04-8>

FOR MORE DR. RAJ VEDAM TALKS ON YOUTUBE

[https://www.youtube.com/results?search\\_query=raj+vedam](https://www.youtube.com/results?search_query=raj+vedam)

### About the Speaker, Dr. Raj Vedam

Raj Vedam is a native of Bengaluru, where he completed his early schooling. He obtained his Bachelor's degree in Electrical Engineering from the University of Mysore, and his Master's degree in Electrical Engineering from Indian Institute of Science in Bengaluru. He obtained his Ph.D degree in Electrical Engineering from Oregon State University in USA in 1994.

Raj Vedam has over 26 years of experience in diverse industries including power, aircraft, electronic design automation, and oil & gas. With several journal and conference papers and patents, he is an innovation leader, with strong interest in multiple areas of technology. His current professional interests include optimization, machine learning, and artificial intelligence. He serves as external examiner for doctoral thesis evaluation for Vishveshwarya Technological University in India, and has mentored students in India and USA for their graduate studies. He is currently based in Houston, Texas, and works in the Oil and Gas industry.

As a scientist, Raj Vedam researches the roots of modern sciences, mathematics and technology, a quest that led him to study the histories of Babylon, Greece, Egypt, Rome, China, Hittites, Mitanni, and Arabs. Whereas Western narratives favor the origin of astronomy and math (among other fields) as having originated outside India and imported into India during various invasions, Raj Vedam's multi-disciplinary studies using data from several published sources reveal otherwise. His research traces the reasons for such narrations about Indian history by various actors starting from the colonial historians, critiques narrations that position a young Indian civilization as having received wisdom on math and sciences from outside India, and using several sources, proposes an ancient Indian civilization that made great advances in several fields of endeavour.

Dr. Vedam believes that an evidence-based narrative of Indian history is urgently needed to correct several speculative and damaging mainstream narratives of Indian history. Towards that, he bases his talks and workshops on published scientific literature from various fields.

Raj Vedam co-founded a think-tank called Indian History Awareness and Research based in Houston, with a mission to popularize the findings. Since 2015, he has taken his work public with several talks in US and Indian universities and public events. He has delivered over 60 talks on Indian history in several US and Indian cities. His team worked with the state of Telangana to review and revise the history textbooks for various grades from 6th to 10th standards. His team also worked with the Texas Education Agency to review history textbooks for their content on Indian history. He has conducted a dozen history workshops for high school teachers in India in various cities, and spoken at many youth camps.

Raj Vedam serves as Director of Arsha Vidya Satsanga, a non-profit founded to spread awareness of Indian culture and learning.

### Event Contact

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