



GUJARAT TECHNOLOGICAL UNIVERSITY

INTERNATIONAL INNOVATIVE UNIVERSITY

DHAROHAR – Center for Indian Knowledge System

• FLYER OF THE COURSE:



GUJARAT TECHNOLOGICAL UNIVERSITY
DHAROHAR - GTU Center for Indian Knowledge System
in association with
BHISHMA SCHOOL OF INDIC STUDIES

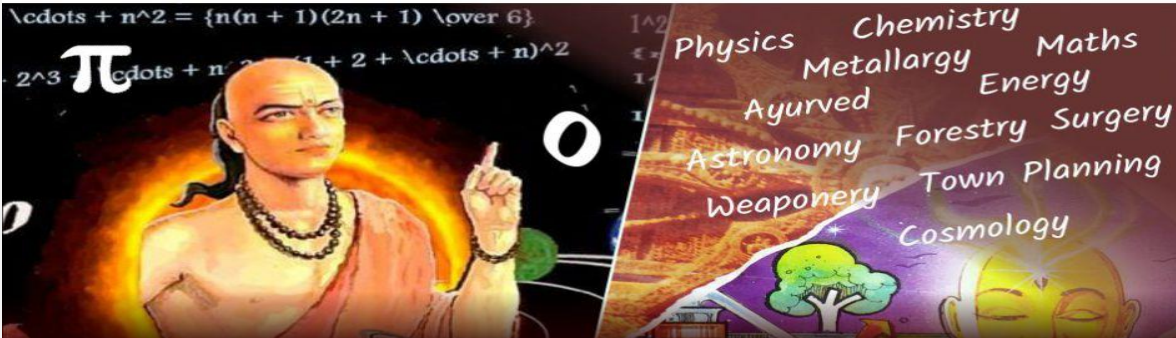


Admissions
Open
Course Code : B4

Online Certificate Course

Enroll
Now

**Study of Ancient Indian
Science and Technology**



Physics Chemistry
Metallurgy Maths
Ayurved Energy
Astronomy Forestry Surgery
Weaponery Town Planning
Cosmology

Ancient Indian Science & Technology

- ✓ Internationally Accredited.
- ✓ Online Training on Zoom
- ✓ Class Recordings Available
- ✓ Study Material in eBook format
- ✓ Career & Research Opportunities
- ✓ Professional Opportunities
- ✓ Business Opportunities

Course Duration
3 Months
(Every Thursday to Saturday)
7 Oct. To 18 Dec. 2021
7:30pm to 8:45pm (IST)

Contact for Enquiry

Hindi / English
9699489179 | 9309545687

Gujarati
9824252544 | 9824642969

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<https://www.gtu.bhishmaindics.org/sci-tech>



REPORT

The glorious tradition of science and technology existed in India for thousands of years. There are many examples. PushpakViman is just a glimpse. Our clothing and garments (such as the Malmal of Dhaka) attracted the attention of the whole world. Kanhaiya was the owner of a very big yacht; after whom Vasco da Gama reached Kalikat. Metallurgy was so advanced that it did not rust for hundreds of years. The knowledge of physics and chemistry was so much that gold was made from any ordinary metal. Planetary and astronomical knowledge was so much that the earth is round and the distance between the sun and the moon was measured by our ancestors. How the eclipses happen, the speed of the constellations, the creation of the universe etc. all these subjects were discussed here by ordinary people too. The health system from Ayurveda (in which the first surgeon likes Sushruta) was created in India. Zero and Decimal system is a priceless gift of India to the world. Geometry and algebra, Madhava principles were prevalent in India. Indians were proficient in biology, tree Ayurveda, environment, animal science, elephant and horse science, martial arts, weapons and warfare, city building, sewage system, water management, mining work, ironwork, gemology. We have lost a lot not known how but due to the inferiority complex and dastardly invasions and due to the policies of the British. Now we have to revive the science and technology of India. It is necessary for every Indian to have knowledge of this glorious Indian science and technology tradition.

PICTURES OF SESSIONS:

Indian ART an CULTURE Vw ScienceTechSanskritAnc Michel Danino Ancient Indi

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Vedic Scriptural Knowledge represented as an Inverted Tree

•The Roots above refer to the One Source (*Bramhan*).

•The one main body of transcendental (*Apaurusheya*) knowledge - *Vedas* - is classified into 4 major *Vedas*

•*Rik, Yajus, Sama, Atharva*.

•The Vedic literature deals with all aspects of life including

- spirituality, philosophy, yoga,
- religion, rituals, temples,
- arts and culture, music, dance,
- grammar, pronunciation, metre
- astrology, astronomy, logic, law
- medicine, surgery, technology,
- martial arts, military strategy, etc.

Integrated knowledge of Spirituality and Science

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AI Science and Technology - Day 9.mp4

प्राकृतं सृजतं वज्रसम्भूतं खनिसम्भवं ।
रमेन्द्रविभसद्भातं स्वर्णं पञ्चविधं स्मृतम् ॥ २.
मोक्षं बोध्यं वलं वृत्तिं रोगवर्गं करोति च ।
अशुद्धं न सत् स्वर्णं तच्छास्त्रद्वयं समाधरेत् ॥ ११.
स्वर्णपत्रं^१ तनु कर्षमानं शरावस्त्रं पटुपातुमुक्तम् ।
अज्ञारमस्त्रं प्रहराद्वैमानं धानेन तत् स्वाधनु पूर्णवर्णम्^२ ॥ १२.
लोहानां सारणं वेष्ट मर्चयां रम्यमस्त्रना ।
सुतीभिर्मध्यमं प्राहुः कनिष्ठं गन्धकादिभिः ॥ १३.
परिमोक्षेन लोहस्य स्मरणं दुर्गुणप्रदम् ।
कल्पा कण्टकविध्यानि स्त्रणपत्राणि क्षेपयेत् ।
लुङ्गाश्चुम्बकचूर्तनं स्त्रियते दग्धभिः पुटैः ॥ १४.
दुर्गं विनिर्दिष्टं स्वर्णं लोहमानं सत् रम्यम् ।
विचूर्ण्य लुङ्गतोयेन दग्धेन समन्वितम् ॥
जायते कुट्टमच्छाद्य स्वर्णं दादमभिः पुटैः ॥ १५-१६.
क्षेत्रः पादं सत् पिट्टमस्त्रं केनचित् ।
पत्रे निष्ठा पुटैः^३ पाथ्यं दग्धमिच्छियते ध्रुवम् ॥ १७.
पुटैश्चादग्धवाराणि भस्मोभवति रुध्यकम् ॥ १८-१९.
साक्षीकचूर्णलुङ्गास्त्रमदितं पुटितं गन्धे ।
त्रिंशद्वारेण तत् तारं भस्ममाज्जायतेतराम् ॥ २०.
तारपत्रं चतुर्भागे भागैर्गं शृङ्गताम्रकम् ।
मये^४ जम्बीरज्जावैस्त्वारपत्राणि क्षेपयेत् ।
शोपयेदस्त्रयन्त्रे च विंगदुपलक्षैः पचेत् ।
चतुर्दशपुटैरेवं निश्चयं जायते ध्रुवम् ॥ २१-२२.

Science & Technology in India: From Ancient Times to Early Modern Period

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History and Practice of Chemistry and Metallurgy



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AI Science and Technology - Day 17.mp4

MohejoDaro-Harappa-VedicAge (1) ~ Search (Alt+Q) Narendra Joshi

File Home Insert Design Transitions Animations Slide Show Review View Help Storyboarding

Clipboard Paste New Slide Section Slides Font Paragraph Drawing Shape Fill Shape Outline Shape Effects Arrange Quick Styles Editing Replace Select Dictate Voice Designer

1 the harappan civilization or ancient india
2 the harappan civilization
3 the harappan civilization
4 the harappan civilization
5 the harappan civilization

Slide 2 of 31 English (India)

the harappan civilization

0 150 300 mi
0 150 300 km

Arabic Sea Arabian Sea Bay of Bengal INDIAN OCEAN

Sites of Harappan Civilization

- Pre-Harappan village sites
- Major Harappan cities
- Harappan towns and villages
- Harappan culture

3300 BCE - 2400 BCE

Notes

72%

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10:07 / 1:02:57

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AI Science and Technology - Day 9.mp4

Iron Pillar, New Delhi (375-414 AD)

Height: 7.4 m
(51 cm below ground)

Diameter:
41.7 cm (bottom),
30.8 cm (top)

Estimated weight:
~ 6 tons

Pure wrought iron: 99.72% iron,
0.08% carbon, 0.034% copper, 0.032% nitrogen, 0.046%
silicon, 0.114% phosphorous, 0.006% sulphur, 0% manganese

B.N. Jagtap

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