SANSKRIT AND AI / PART 15 / STUDY NOTES

Sanskrit and AI, Part 15: Peace in Every Layer

Study notes by Sanskrit AI Universe, based on this video

Video by Dr P.R.K. Varma, Founding Editor · DrVARMA PRK · 19 Nov 2026

Not the creator's own slides

About these notes

— Official title: SANSKRIT and AI, Part 15: Peace in Every Layer | Dr.P.R.K.Varma.,M.D.,D.M.

— Speaker and channel: Dr P.R.K. Varma, Founding Editor · DrVARMA PRK

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— Caption source: English auto-generated subtitles. Wording may be imperfect. Distinctive phrases follow the captions closely.

This part in brief

— They searched the surface and did not find it, so they began to dig.

— Each son dug his own stretch of ground with tools as hard as thunderbolts down into the depths.

— A goal pursued across the whole earth, a cost paid by everything that lay in the way and the blame put on the wrong one.

— This last part of the season is about the largest scale of all, AI and the planet and the space beyond it.

— Near the end of the Yajurveda, there is a prayer that many people know without knowing where it comes from.

Chapter one, the ledger

- Before anything else, a planet-scale system must keep honest accounts.
- Three questions, is the cost written down? And does saving lead to more spending?

Problem one, the bill not on the page

— When you ask a model a question, the answer arrives in a second.

— What you do not see is the building where it was made. was made.

— And it projected that this would more than double by 2030 to around 945 terawatt-hours, roughly what the hole of Japan uses today.

— A cost that is not written in the ledger will be paid by someone who was never asked.

Problem two, numbers too large to feel

- And in May 2026 it reported more than 3.2 quadrillion tokens a month, seven times the year before.
- A model that thinks longer uses more tokens, whether or not the answer is better.
- Numbers this large stop meaning anything to us, and a number nobody can feel is a number nobody checks.
- The Yajurveda has a verse that counts and does not stop.

Problem three, cheaper so more

- In January 2025, a Chinese lab, Deep Seek, released a model it said had far less to train than its rivals.
- In 1865, the economist William Stanley Jevons noticed that more efficient steam engines did not save coal.
- They made coal so useful that people burned more of it.
- Efficiency alone does not lighten the load on the earth.

Chapter two, the whole

— Then the planet seen as one thing. How do we picture the whole earth?

— Is the picture taken for the thing? Can we tell one object under many names and can we forecast the whole from its past?

Problem four, the earth in numbers

— In July 2025, Google DeepMind released a model it called a virtual satellite.

— It weaves these sources together and describes every 10 m square of the earth's land and coasts as a short list of 64 numbers.

— This is a powerful way to watch forests, crops, and water.

— The question is how to see the whole earth at once without losing what makes each part different.

Problem five, the twin taken for the world

— In June 2024, the European Union launched Destination Earth with its first two twins, one for weather extremes and one for adapting to climate change.

— Such a twin can show a flood before it happens or a drought decades ahead.

— The better it looks, the easier it is to forget that it is a copy.

— We met it earlier in this series as one of the measures of the altar.

Problem six, one star, many names

— A new telescope in Chile, the Vera Rubin Observatory, sweeps the southern sky night after night with the largest camera ever built for astronomy. for astronomy.

— In February 2026, it sent out its first alerts of changes in the sky, 800,000 of them in a single night.

— Each alert says something here has changed, but is it a new object or one already known?

— Keep every name because each comes from a different way of seeing, but know and record when they point to the same thing.

Problem seven, a forecast from the past

— Now machine learning models forecast it by learning patterns from decades of past weather.

— On the 25th of February 2025, the European Center for Medium-Range Weather Forecasts put its AI model into operation.

— It was the first fully operational open model of its kind.

— A forecast built from patterns is strong where the world repeats itself and weakest where it does not.

Chapter three, the distance

— How do we call across great distance? And how does a system survive where no help can reach?

Problem eight, one region, the whole world

— Much of the internet runs on a few giant clouds and many of those depend in turn on a few key places.

— Just before midnight on the 19th of October 2025, Pacific time, something failed in Amazon's data centers in Northern Virginia.

— Apps hosted on other continents failed too because somewhere inside they depended on that one region.

— The cloud failed because one layer was trusted to hold everything above it.

Problem nine, a call across a day

- You cannot speak the way you speak to someone in the room. the room.
- Pāṇini has rules for exactly this, how speech changes when you call to someone far away.
- The rising and falling pitch that carries fine meaning up close is set aside.
- And when calling from afar, the last vowel is prolonged, not short, not long, but drawn out to three measures.

Problem 10, Alone at the Edge

— It also describes the only kind of system that can work at the edge, one that carries what it needs within itself while staying joined to what lies outside. lies outside.

— And Pāṇini's far call is the last lesson in patience.

— The seers did not foresee data centers or space probes and nothing here says that they did.

— Fifth, a few details rest on memory and are marked so in the notes.

Sources and credit

— Study notes by Sanskrit AI Universe, based on the video “SANSKRIT and AI, Part 15: Peace in Every Layer | Dr.P.R.K.Varma.,M.D.,D.M.”. These are not the creator's own slides.

— Video by Dr P.R.K. Varma, Founding Editor, posted on the YouTube channel DrVARMA PRK.

— Watch the video: https://www.youtube.com/watch?v=yQoyUznGio8

— Captions used: English (auto-generated) (en), retrieved on 24 November 2026 via a public Invidious instance. Auto-captions can mis-hear words; obvious proper-name spellings were given in IAST where the journal already uses them.

— Also used: the official video title and description, and the Watch catalogue note already published in this journal (presenter and why the video is listed).

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