

# *From Sage on Stage to Guide on Side*



## **Challenges & Opportunities for Faculty**

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A photograph of a lush green park. In the foreground, there are various plants, including some with long, pointed leaves and others with small orange flowers. The middle ground is a wide, green lawn. In the background, there are several tall, leafy trees and a few people walking. The sky is overcast.

**O Pure Earth, may that we utilize your soil well**

**For creative production**

**Without causing you injury or harm**

**And disturbing any vital element in you**

**Prithvi Sukta**



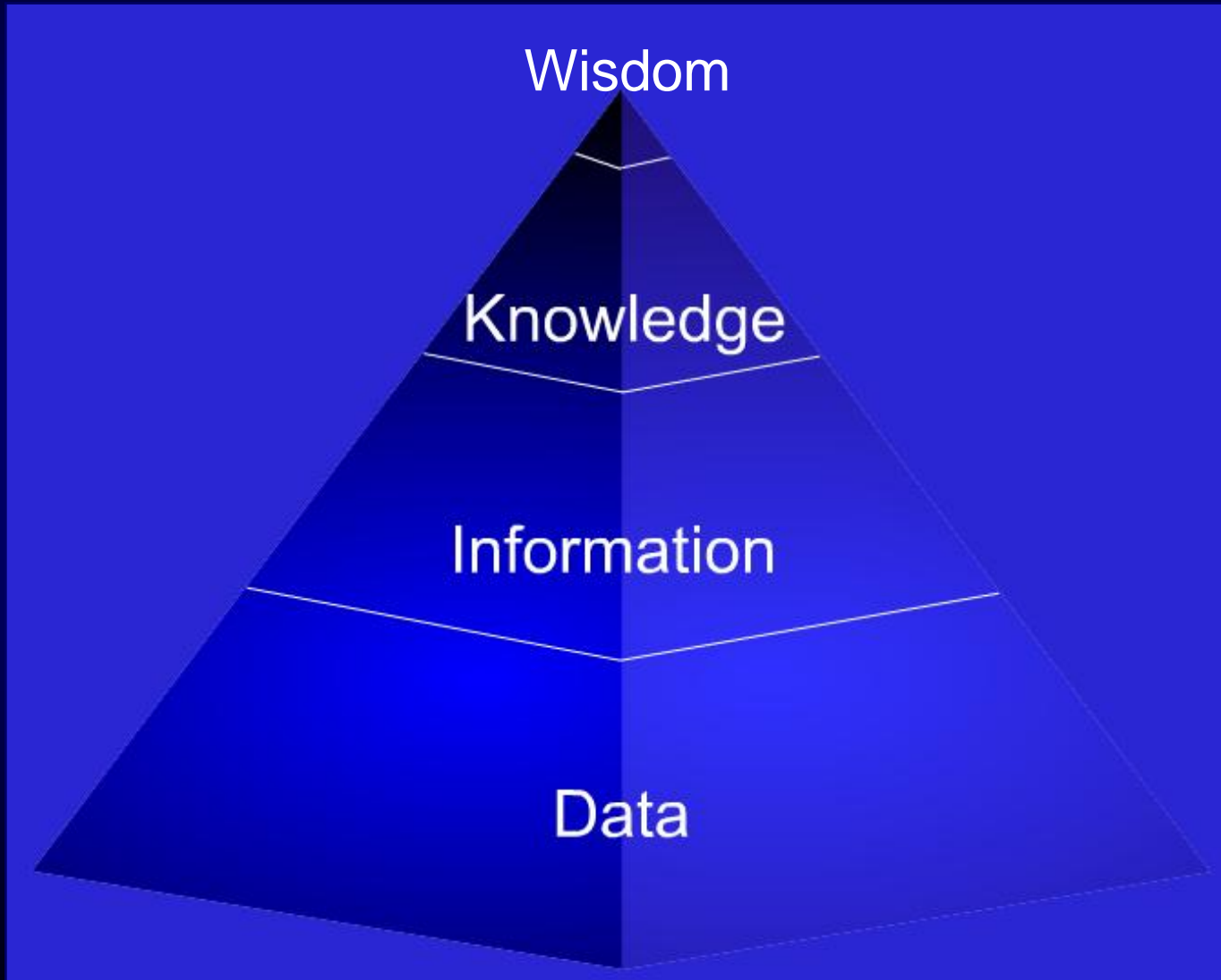
# The New World



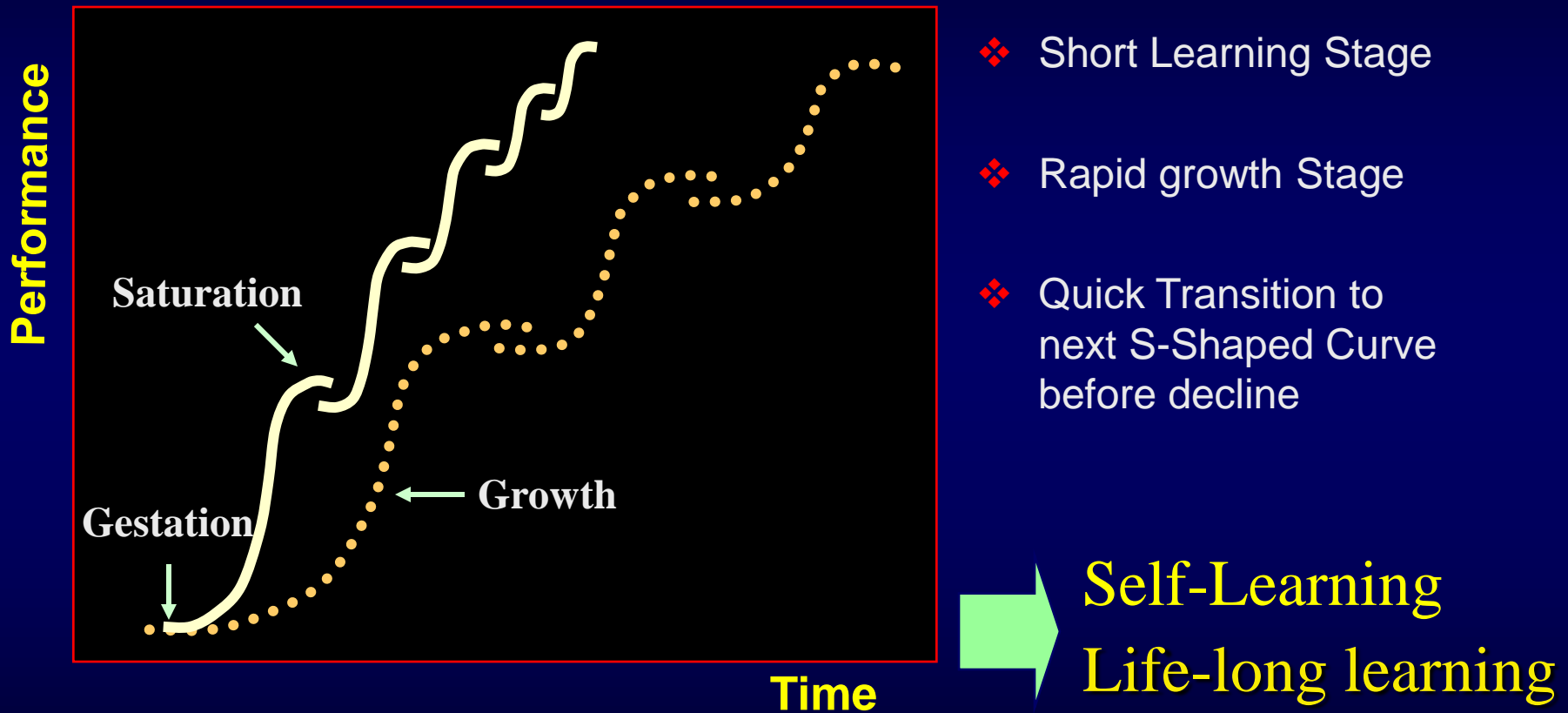
- ❖ Globalisation
  - ❖ Competition
  - ❖ Mobility of skills
- ❖ Demography Changes
  - ❖ Elderly in developed world
  - ❖ New patterns of migration
- ❖ War for Progress
  - ❖ Skewed economic development
- ❖ War for Talent
  - ❖ Global talent shortage
- ❖ Technology
  - ❖ Efficiency
  - ❖ New avenues for growth

***Focus on knowledge society and vasudhaiva kutumbakam.***

# The Learning Process



# The New Professional



**Continuous Self-Renewal.**

# Major Issues



- ❖ The New Generation
  - ❖ What to teach
    - ❖ curriculum/ syllabus
    - ❖ data, information, knowledge
  - ❖ How to teach – Quality
    - ❖ from Sage on Stage to Guide on Side
  - ❖ When to teach – KG to PG
    - ❖ progressive or distributive
  - ❖ Career opportunities
  - ❖ **Customer Satisfaction**
  - ❖ 35% below 18

*Changing needs of the New Generation.*

# The New Generation



- ❖ Better data & information base
- ❖ Technology (computer) savvy
- ❖ 'Instant' gratification, the focus?
- ❖ Decreasing attention, retention spans
- ❖ Several and varied career options
- ❖ Limited 'Quality' education options
- ❖ Demanding
- ❖ Information overload
- ❖ Demand vs supply
- ❖ Suppressed creativity

***Stretch without stress to get the best out of individuals.***

# The New Paradigm



- ❖ What to Teach, How, and When
  - ❖ Curriculum at plus two stage++
    - ❖ subject matter
    - ❖ experiment/ practice
    - ❖ extent
    - ❖ continuous evaluation
  - ❖ Quality of teaching
    - ❖ VAKT
      - ❖ Visual
      - ❖ Auditory
      - ❖ Kinesthetic (movement)
      - ❖ Tactile (practice/ experiment)
- ❖ Learning rate & style
- ❖ Faceless Classroom
- ❖ Rapidly changing trends
- ❖ Resources
- ❖ Communication & comprehension

***Teacher centric education to student centric active learning.***



# Ramping Up



- ❖ Ramping up
  - ❖ breadth vs/& depth
  - ❖ level of difficulty
  - ❖ **valid escape route**
    - ❖ occupations
  - ❖ opportunities
  - ❖ counseling
  - ❖ strength, weakness
    - ❖ assessment
    - ❖ experimentation
- ❖ Sensory integration (**VAKT**)
- ❖ Focus on units
- ❖ Peer pressure
  - ❖ behavior patterns
- ❖ Culture of 'coaching classes'
- ❖ Dealing with 'rebels'
- ❖ Ethics, morality

*Innovative approach, sensitivity, and understanding.*

# The New Opportunities



- ❖ **New Technologies opened up numerous career options**
  - ❖ digital multimedia
  - ❖ life sciences/ Healthcare/ nanotechnology/ Energy/....
  - ❖ services (financial/ managerial)
  - ❖ applications
    - ❖ tourism
    - ❖ manufacturing
    - ❖ design
    - ❖ healthcare
    - ❖ education
    - ❖ e-governance/ e-commerce
    - ❖ entertainment/ infotainment
    - ❖ .....

***Engineering and medicine NOT the only options.***

# Customer Satisfaction



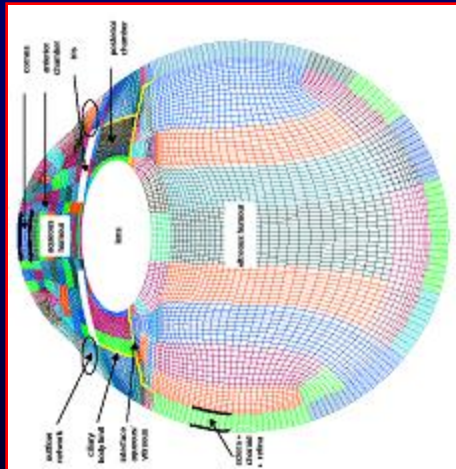
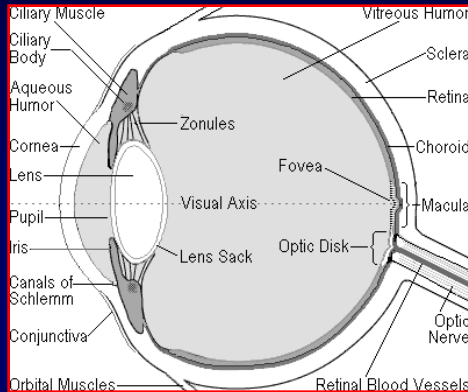
## ❖ Quality

- ❖ Teachers, teaching/ instruction
- ❖ Content
- ❖ Evaluation, results
- ❖ Management/ service
- ❖ Class size, strength
- ❖ Infrastructure, facilities
- ❖ Very large number of students
- ❖ Technology support
- ❖ Counseling
- ❖ 'Coaching classes'
- ❖ Student achievements
- ❖ Overall personality development

***Student is Our Most Important Customer.***



# Research



## ❖ Experimentation - Projects

- ❖ Nature
- ❖ Observation
- ❖ Enquiry (what, why, how)
- ❖ Creativity
- ❖ Documentation
- ❖ Presentation
- ❖ Individual, group activity
- ❖ Internet
- ❖ Data, Information, Knowledge
- ❖ Extracurricular Activity
- ❖ Competitions w/o stress
- ❖ Parents (home - action place)
- ❖ Special lectures – general topics

**Motivated students, Quality facilitators, Understanding parents, Innovative programs make the difference.**



# The Beginning