



# ICT in Education



The infographic features a central circular hub with the title 'Education Scenario in India'. Five lines radiate from this hub to five colored callout boxes, each containing a key point. The background is a composite image showing hands typing on a laptop keyboard, a world map, and binary code.

## Education Scenario in India

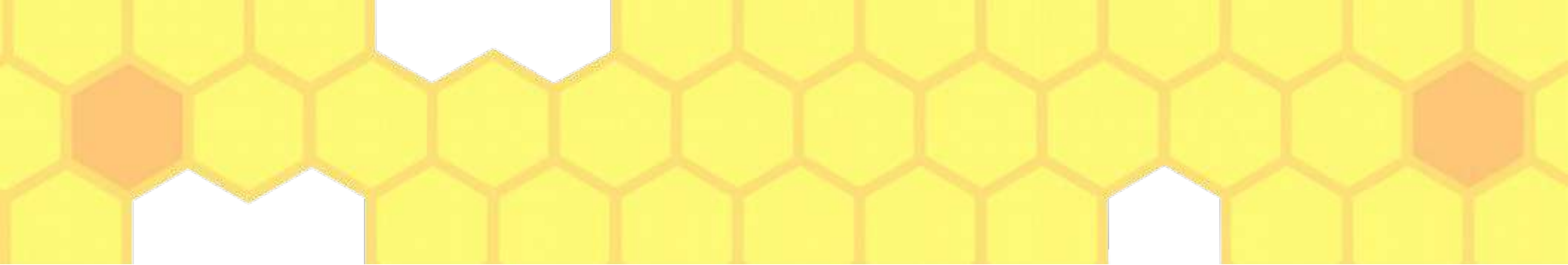
15 lakh Schools, 85 lakh Teachers, 26 crore students

Imparting quality education is a concern

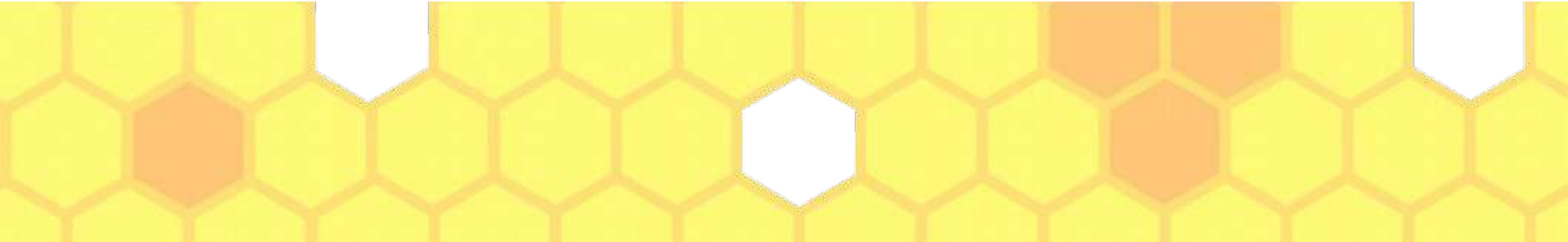
Improvement in learning outcome is a challenge

As every child is different, they tend to learn in a unique way

ICT has potential to meet these challenges



Quality education and achievement of Curricular expectation through Integration of **ICT** in Teaching and learning process .





# What is ICT?

**ICT Refers to..**



# What does ICT Mean/ Include?

- Digital devices
- Softwares
- Apps
- Websites/ Webportals
- E-content- Text, Audio, Video, **Interactives**,  
Animation, **Simulation**

# Criteria for media Selection and Integration

Availability

Accessibility

Realibility and Validity

Economy/Costing

# Parameters

**1**

**Nature of Content**

**2**

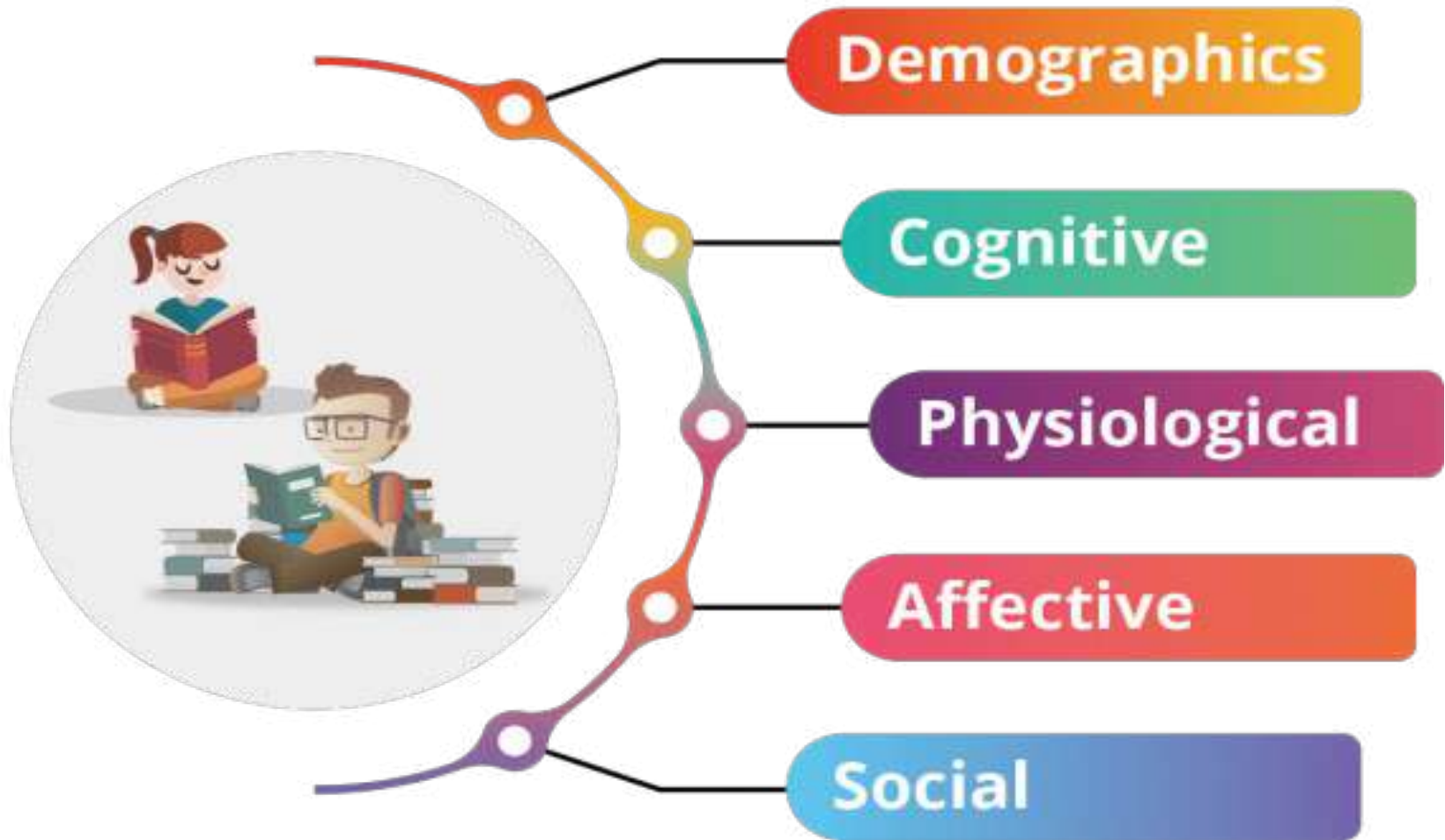
**Context**

**3**

**Teaching-learning Method**

**4**

**ICT**





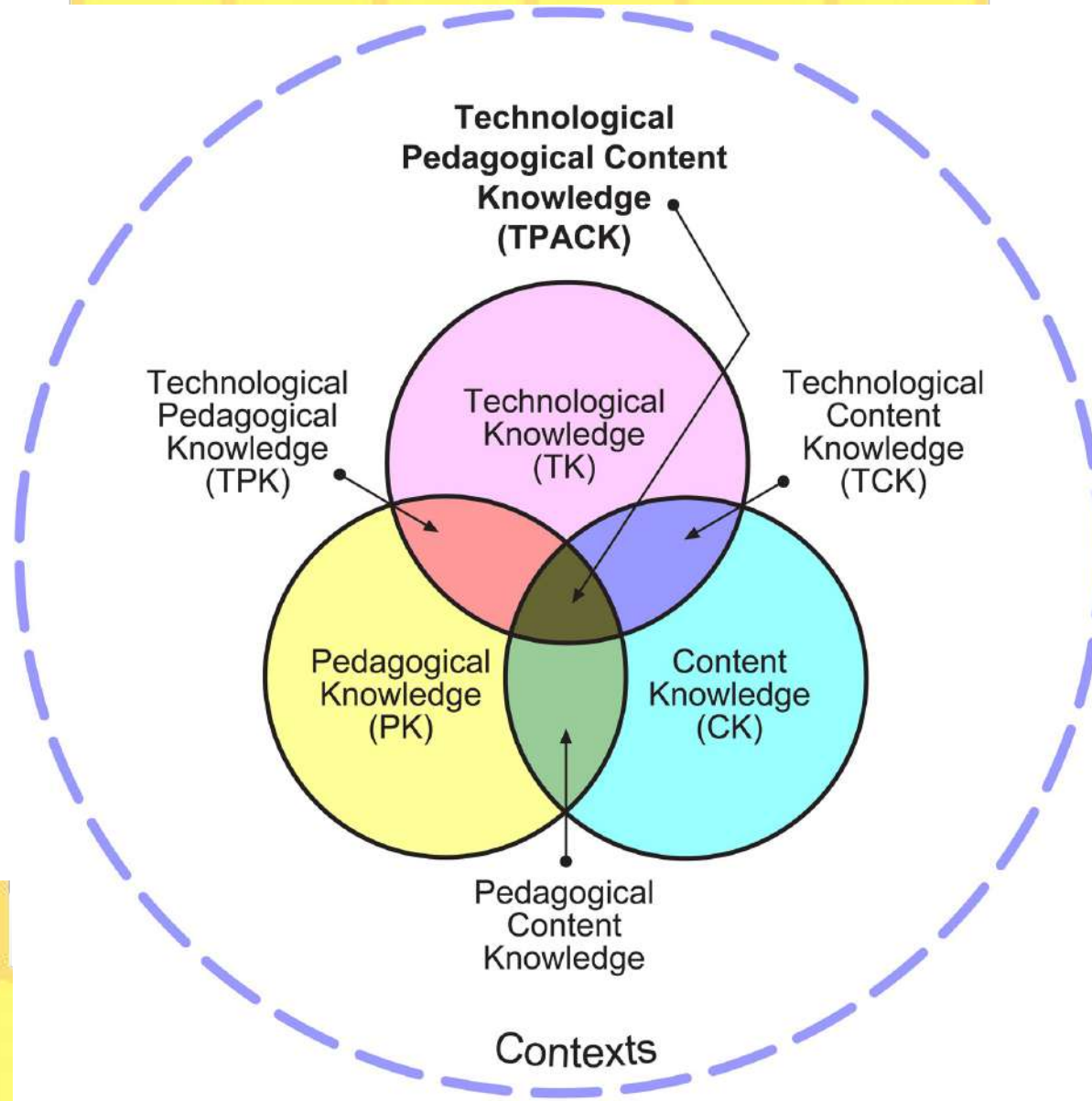
**Demographic** — class size, diversity in terms of age, cultural context, socio-economic status, gender, marginality, geographical location and availability/access to technology.

**Cognitive and prior knowledge** — Educational level [primary, upper primary], Prerequisite knowledge and experience, learning style, level of digital literacy, cognitive ability.

**Affective/Social** — Attitude towards self, motivational level, interpersonal relationships and area of interest.

**Physiological** — Physical and emotional health and special needs of her students [ass

# How to integrate ICT in Teaching and Learning



Content	Nature of Content	Media that can be used	Rationale for using the media
Fundamental Rights in Indian Constitution (Class VIII)	Factual	Visual – Any kind of presentation like slide presentation, digital poster, digital flashcard, etc.,	Since the content is factual and the students are just required to list the fundamental rights, any visual aid i.e. flashcard, chart, poster etc. is needed
Surface Area of a Solid Cylinder (Class VI)	Conceptual	Demonstration Video	A demonstration video, to visualise cylinder and its properties which shows that the cylinder consists of two circles and a rectangle, would lead to a greater and more effective understanding.
Functioning of Digestive System (Class VII)	Procedural	Animation Video/ Augmented reality based mobile apps like Anatomy 4D, biodigital human, etc.	Since the content requires the students to understand a process, an animated video or AR based resource, students would be able to understand it better.