

E-Content Development for Higher Education

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NEW GENERATION OF LEARNERS



- Are you a teacher of the new Generation students?
- Are you aware of the 21st Century Skills?
- Are you a 21st Century skilled person yourself?

The systemic dilemma !

21st century kids are being taught by
20th century adults using
19th century curriculum and techniques on
an 18th century calendar!

-Tom Hierck, Education Consultant and Author



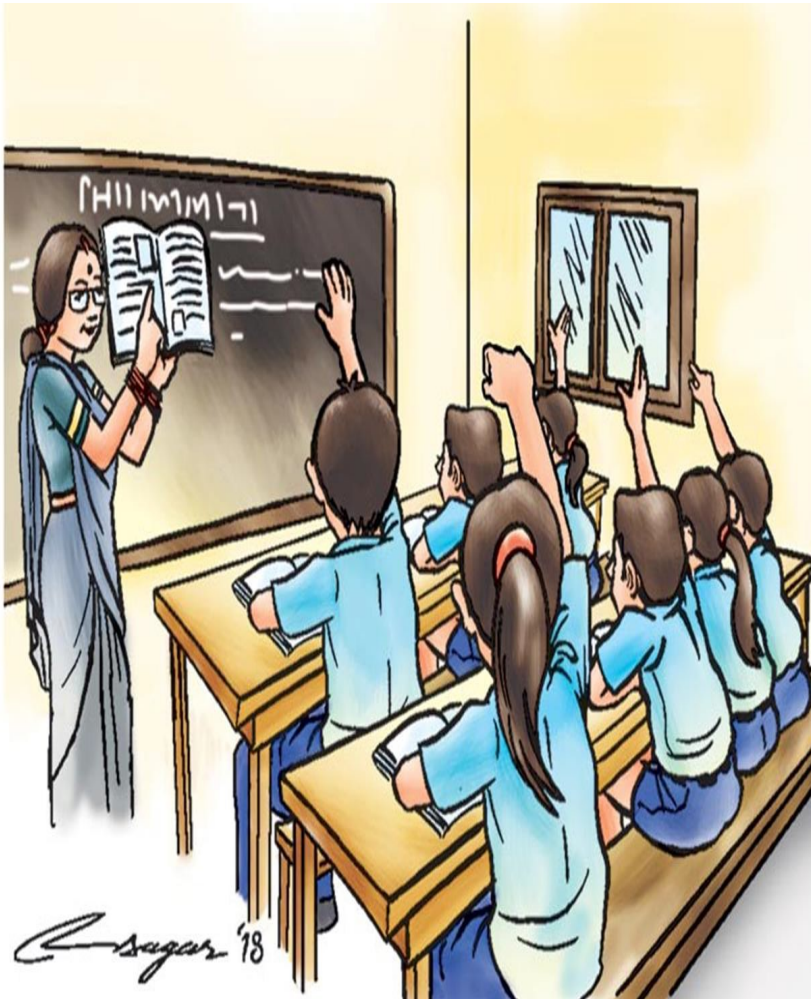


Millennial Learners

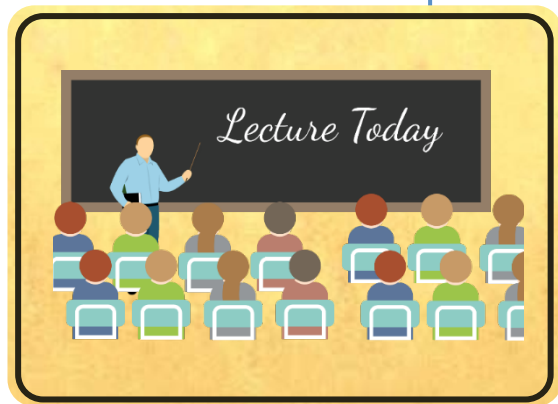


- Multimodal Learners
- Good at Discovering information
- Shorter attention span
- Flexible Learning environments
- Relaxed Learning environments
- Like Informal and stimulating environments
- Prefer Active Learning
- Prefer interaction and Collaboration
- Experiential Learners
- Comfortable with technology
- Multitask
- Extremely relational
- Peer Learning

Traditional Teaching Methods



- Teacher Centered
- Chalk and Talk
- Memorization of facts
- Written tests and examinations
- Manual evaluation



Sage on the stage



- ◉ Guide by the side
- ◉ Co constructor of Learning
- ◉ Facilitator
- ◉ Resource Person

*... so no longer 'sage on the stage'
...not even the 'guide on the side'*

**BECOME CO-CONSTRUCTOR OF
LEARNING**

Interactive Teaching Methods

- Flipped learning
- Blended learning
- Collaborative Sessions
- Gamification
- Usage of LMS
- Case studies
- Role playing
- Video lectures
- Social media for discussions

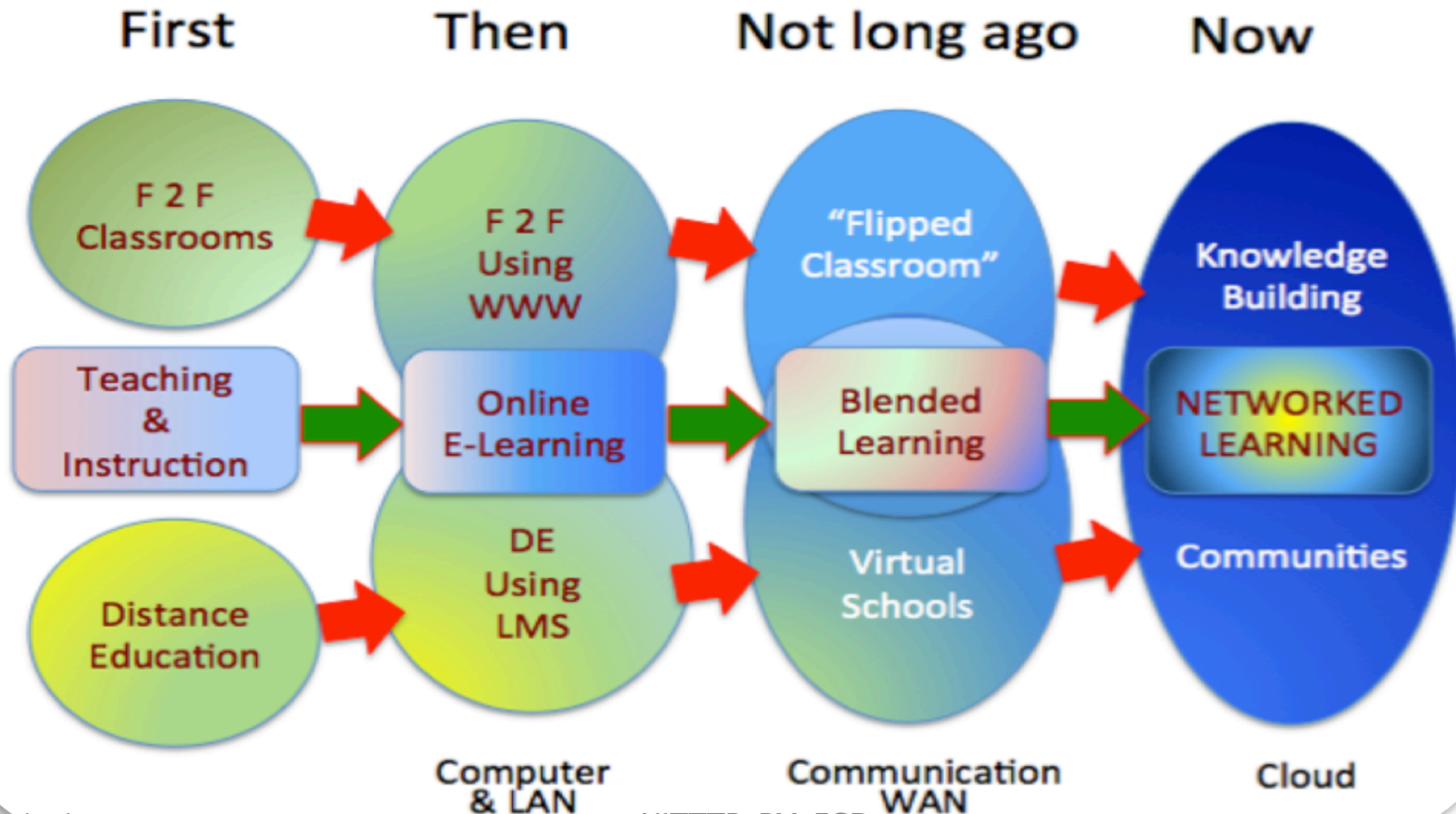


Implications to Teachers

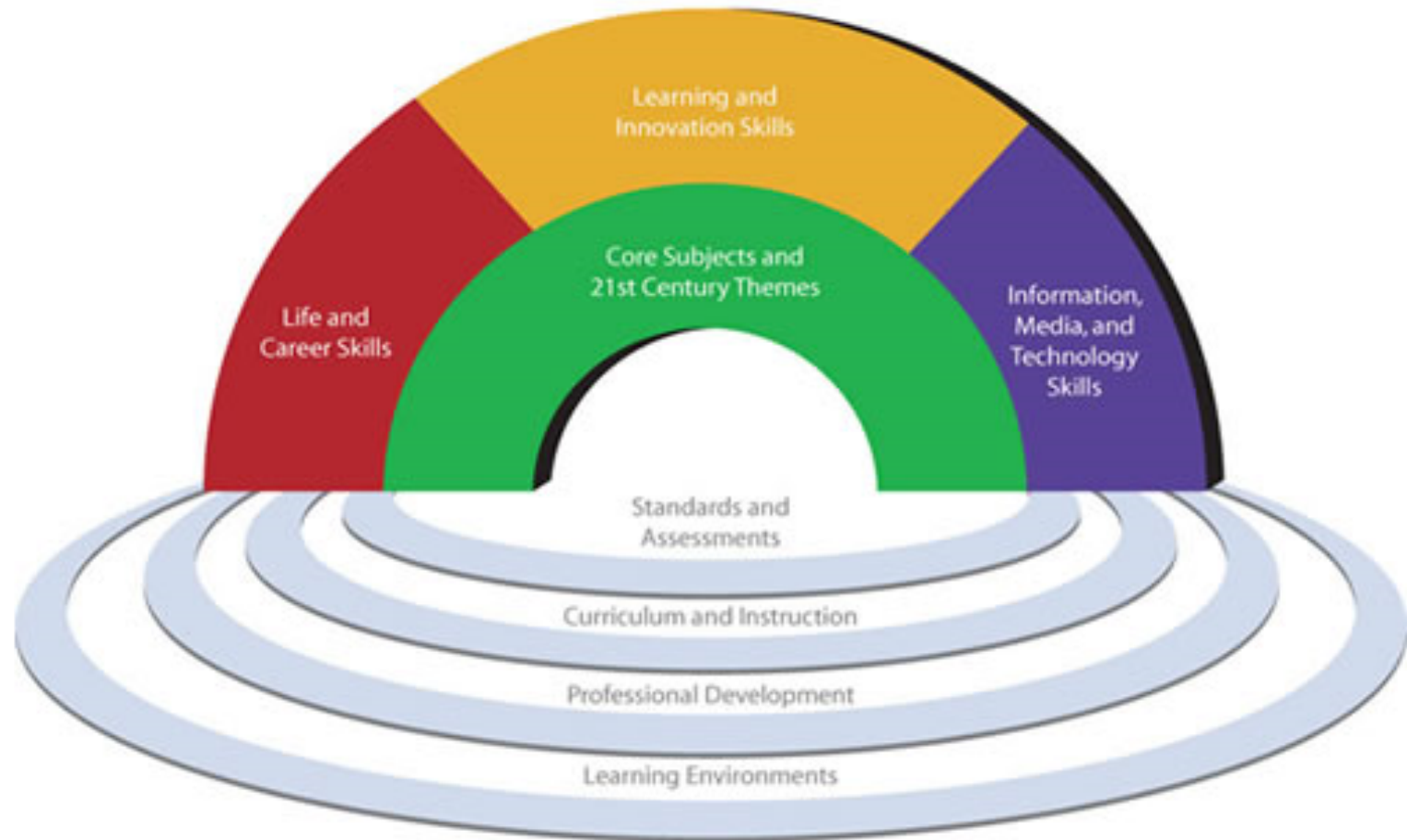
- Long Lectures are not recommended
- Teaching with technology will have greater impact
- Mix up the methods
- Use Video clips, podcasts, concept charts and maps, clickers, presentation and other tools
- Explore Microlearninng
- Use Learning Management system

Today's Education System

The Emerging Education Paradigm



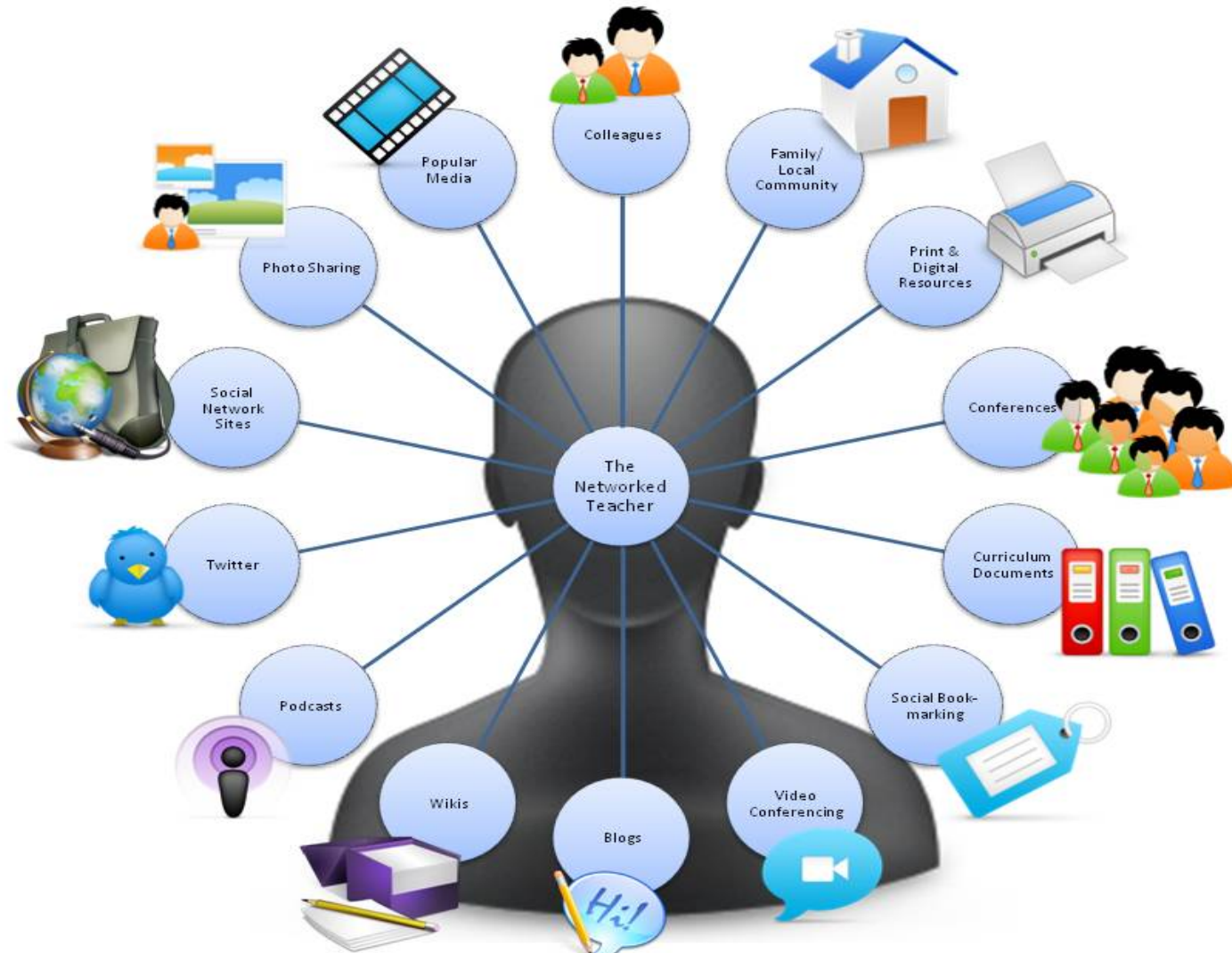
21st Century Skills

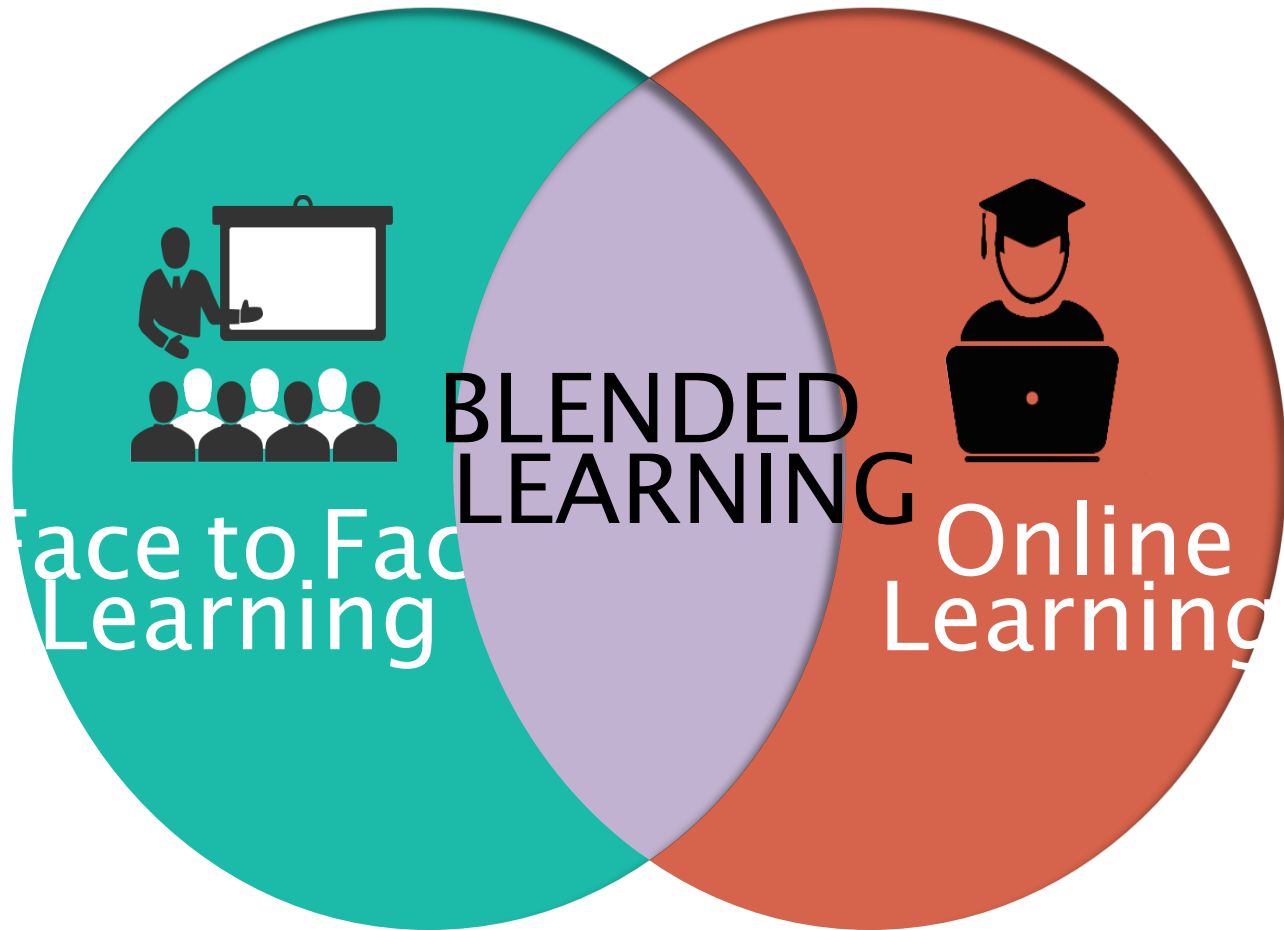


ICT Transforming Education : Regional Guide

<http://unesdoc.unesco.org/images/0018/001892/189216e.pdf>

Networked Teacher

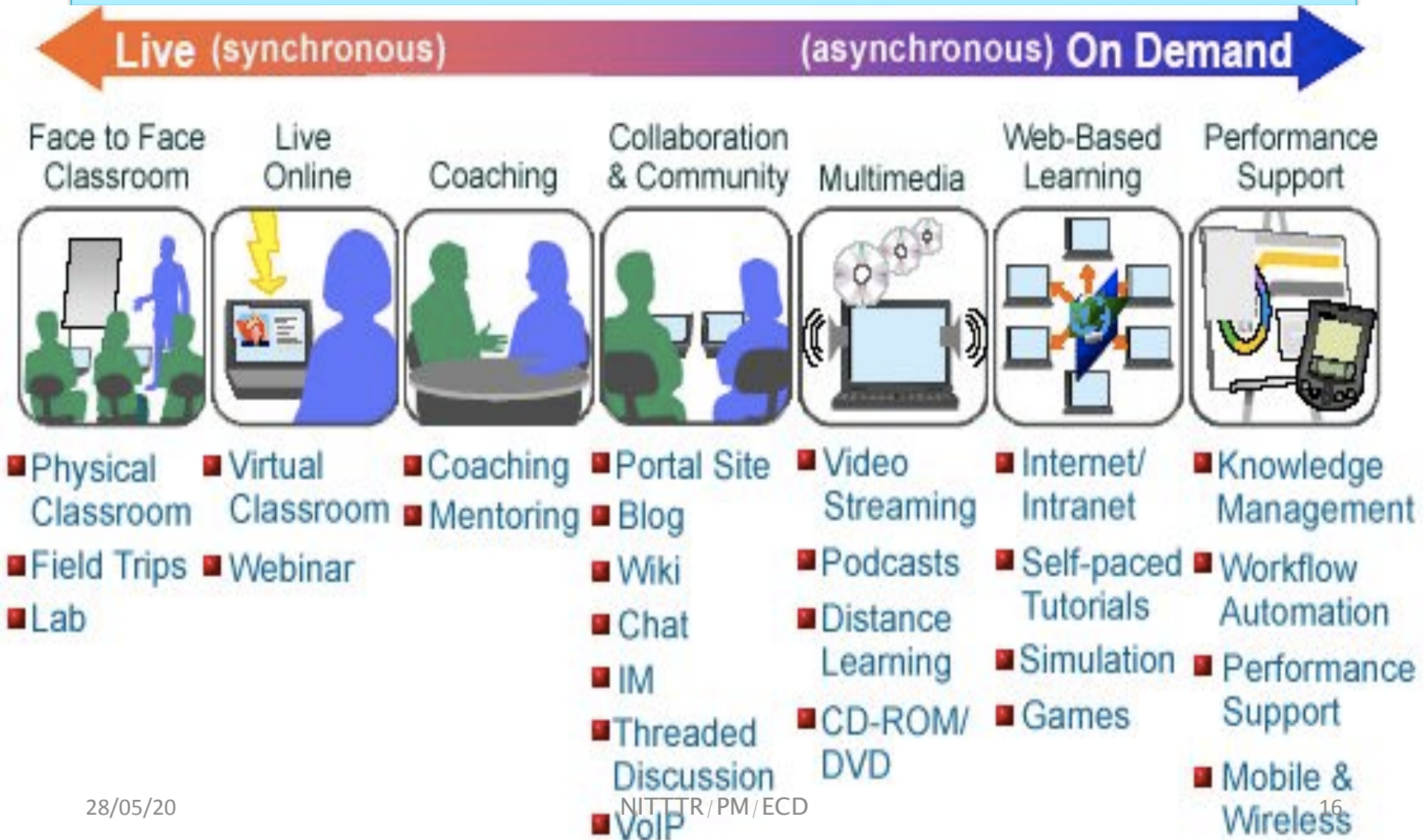




BLENDDED LEARNING

- We can combine the physical environment at school with the virtual environment on the Internet – the idea of **Blended Learning**
- Blended learning has the potential to improve learning by extending the learning space beyond the class contact hours.
- The Internet can provide a fertile medium for the sharing and development of ideas.

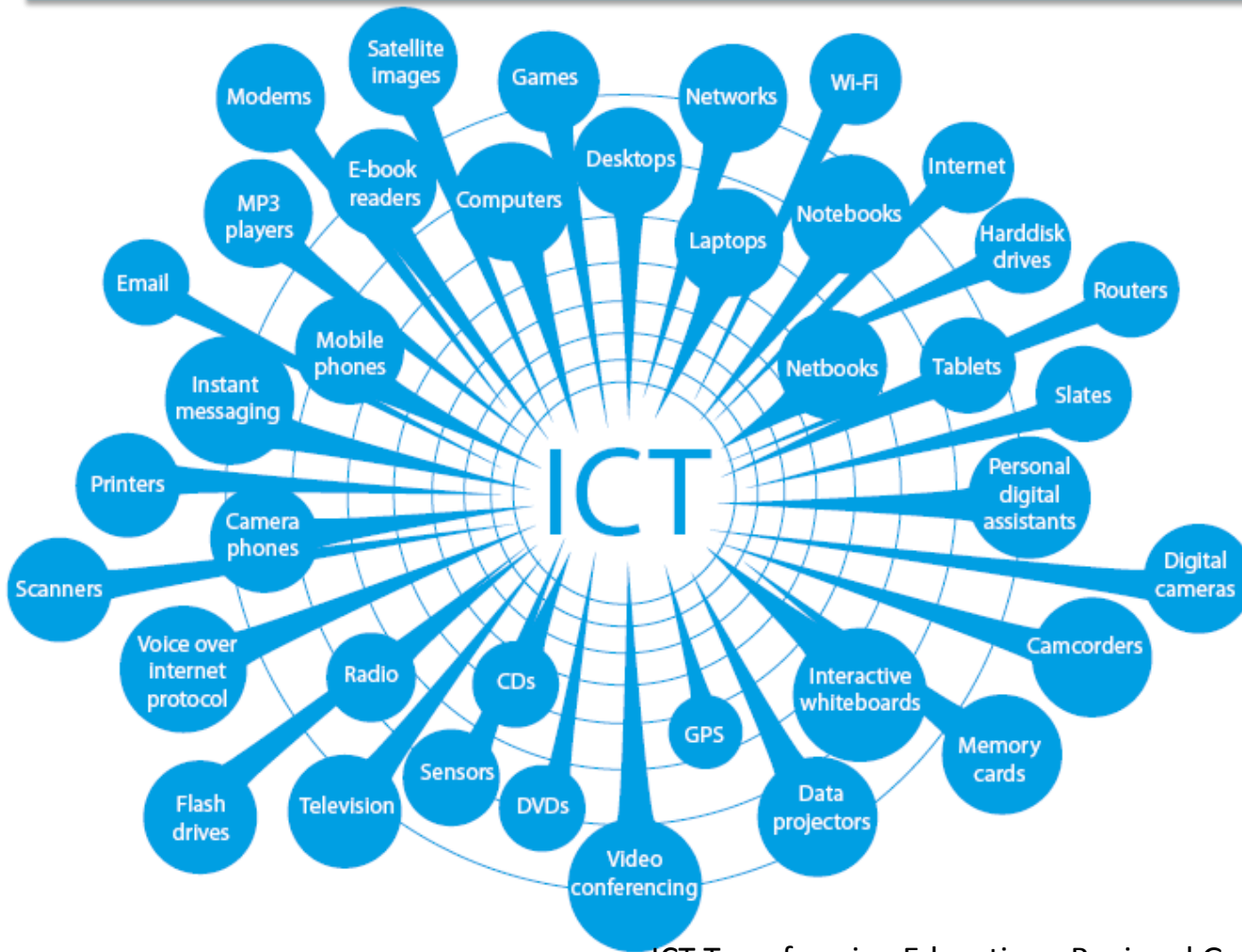
Blended Learning



WEB 2.0

- The introduction of Web 2.0 made it possible for educators to think of and develop different educational pedagogies.
- Web 2.0 offers students speed and ease of gaining information. Students can become more autonomous and become active participants of the learning process.

Information and Communication Technology



Communication Technologies (ICTs) comprise many technologies for capturing, interpreting, storing and transmitting information

E-Content

E-content is termed as
Electronic **content** that include
text,
image,
graphics,
animation,
audio and video

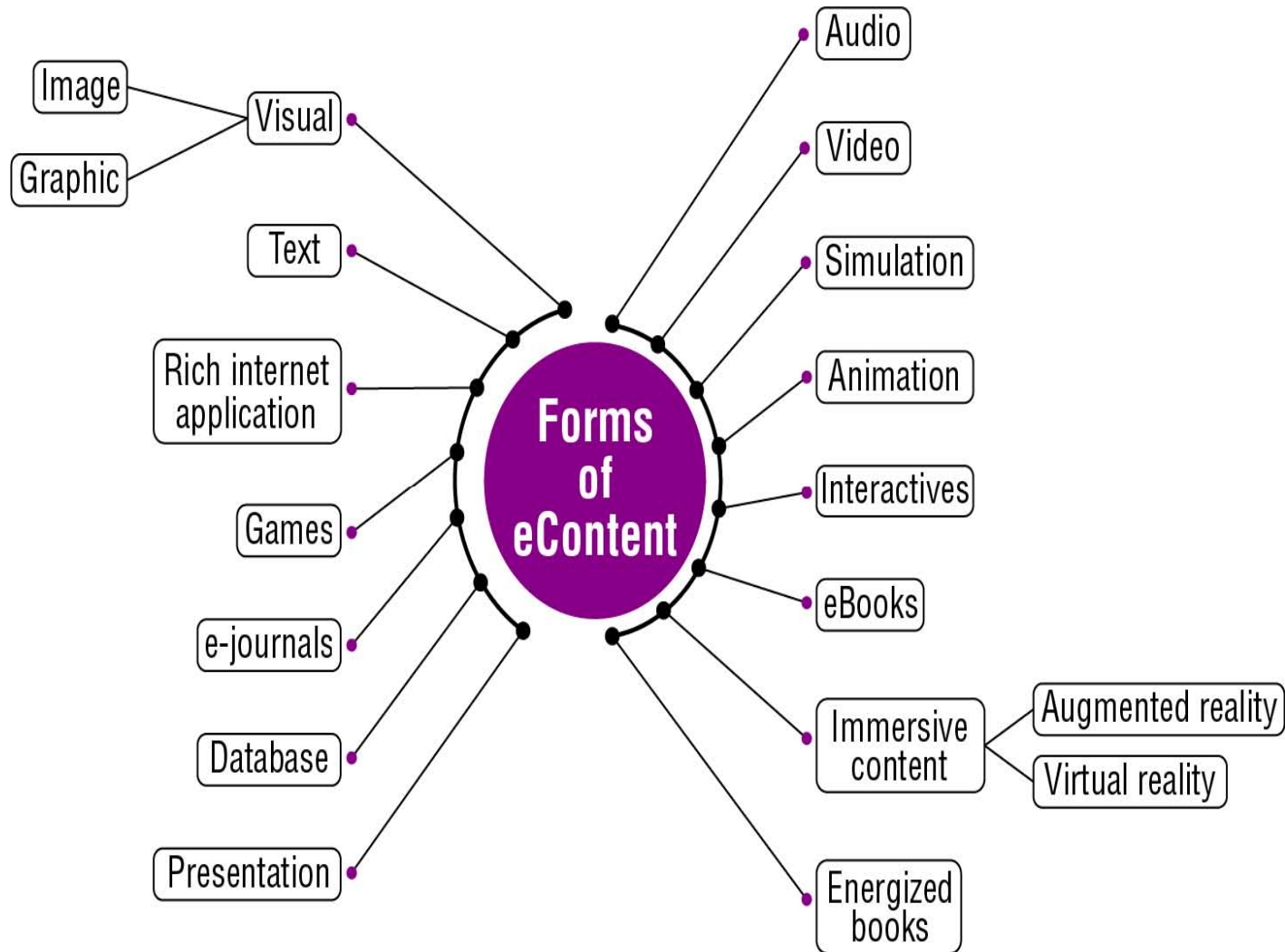
sometimes **e-content** will be single element carrying anyone of the above element or all of the above together to display offline or online web-pages



E-CONTENT DEVELOPMENT



E-Content



E-Content



Purchase of Materials



Use of Freely available content (OER)



Self Production Materials



Exchange of existing Materials in a network with other Institutions

E-Content Standards

- **Standard 1: Installation And Initial Launch**
- **Standard 2: SCORM Compliance**
(Sharable Content Object Reference Model)
- **Standard 3: AICC Compliance**
(Aviation Industry Computer-Based Training Committee)
- **Standard 4: Tin Can API**

E-Content Development Tools

Graphic Editing Tools

Animation Tools

Audio Editing Tools

Video Editing Tools

Authoring tools

E-Content Development tools

Graphics Tools

- Paint/ MyPaint
- Dia
- DrawPad
- Photoshop
- Pixlr
- Inkscape,
- GIMP
- Krita

Animation Tools

- Blender
- PowToon
- Keyshot
- Pencil 2D
- Adobe After Effects.
- Autodesk Maya.
- Autodesk 3ds Max.
- AutoDesk Mudbox.
- Autodesk MotionBuilder.

Audio Editing Tools

- Audacity
- Audio Cutter
- DVDVideoSoft Free Audio Editor
- Free Audio Editor
- Ocenaudio
- WavePad
- Adobe audition
- Sound Forge

E-Content Development tools

Video Editing Tools

- Camtasia,
- Movie Maker
- OpenShot. VSDC.
Available on Windows. ...
- Shotcut.
- iMovie.
- Lightworks.
- VideoPad....
- Adobe Premier Pro
- Final Cut Pro

Authoring Tools

- Toolkit
- Articulate
Storyline
- Elucidat
- Adobe Captivate
- eXe Learning
- Xerte
- GLO Maker

Support

- Media
- Authoring
- Standards and
Policy
- Deployment

Thank you



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Questions?