Pedagogy in Virtual Classrooms Without Compromising the Quality of the Scientific and Scholarly Curriculum

Presented by:

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Agenda

1. Overview of Evolution in Pedagogy
2. What is the definition of “Academic Quality?”
3. Quality of Scientific and Scholarly Curriculum
4. Dimensions of the Quality of the Pedagogy, and Andragogy
5. Introduction to Eldagogy
6. Eldagogy in Action – a Short Demonstration
7. Dimensions of the Quality of Eldagogy and Salient Features
1. Overview of Evolution in Pedagogy

**Ancient / BC Era**
- Learning from experiences
- Parables of Jesus Christ
- Situational Challenges
- Pharisaic Interpretations
- Prophetic Teachings
- Learning from nature / natural phenomenon's
- Religious teachings

**Pedagogy in AD/Greco-Roman Era**
- Case method (Hebrew, Chinese)
- Socratic Dialogue (Greek)
- Adversarial or confrontational methods (Roman)
- Monastic schools teaching methods (Pedagogy)
- Anglo-Saxon Methods
- Evolving Learning and teaching methods (Pedagogy for children)

**Post WW Era Andragagy / Adult Education**
- Principles of Andragogy
- Need to learn
- Self-directed
- Learner's Experience
- Willingness and Readiness to Learn
- Problem centered orientation
- Self motivated
- Inspiration
- Peer Pressures
- Evolution
- New Technologies
- New World Order
- Lifelong Learning (CLE)

**Face-to-Face Teacher and Student Relationship Models**
2. What is the definition of “Academic Quality?”

Quality Academic learning vs Quality Assurance System

- Course Administration QMS
- Institutional QMS
- Curriculum Development QMS
- Quality Assurance in Higher Education
- Assessment and Accreditation Related QMS
- Learner Related QMS
3. Quality of Scientific and Scholarly Curriculum

- **Knowledge Centric vs. Learner Centric Education**

  **Knowledge Dimensions**
  - Factual Knowledge
  - Conceptual Knowledge
  - Procedural Knowledge
  - Meta-cognitive Knowledge

  **Cognitive Process Dimensions**
  - Remember
  - Understand
  - Apply
  - Analyze
  - Evaluate
  - Create

  **Learner’s Needs**

  **Youth**
  - Qualifications
  - Accreditation
  - Work related
  - Job market entry
  - Career Plan

  **Adult**
  - Upgrading
  - Change of career
  - Special needs
  - Skills enhancement
  - Knowledge acquisition
  - Social status

  **CLE**
  - Self-directed
  - R & D
  - Passion
  - Professional needs
  - CPD
  - ++

  **Meta-cognitive knowledge**

  **Analytical abilities**

  **Academic Quality**
### Dimensions of the Quality of the Pedagogy and Andragogy

#### Pedagogy
- **Teacher as a Role Model**
- **Inspirational Teaching**
- **Instructional Teaching**
- **Story telling**
- **Practice, tutoring & experiments**

#### Andragogy
- **Facilitative Inspiration**
- **Communication**
- **Facilitation for Resources**
- **Leadership**
- **Group Discussions**
- **Sharing of Experiences**
- **Futuristic Challenges**
4. Assessment of the Quality of the Pedagogy and Andragogy

Pedagogy Quality Assessment

- Student Cognitive ability levels

- Exam Success Rate

- Merit Rate

Andragogy Quality Assessment

- Learner profile

- Learning Objectives

- Learning Outcomes
5. Introduction to Eldagogy

The Journey of Teaching and Learning to Guiding

Pedagogy
- Children
- Youth
- School Setting
- Face to face

Andragogy
- Adult learners segmented by interest or background qualifications
- Late starters
- Mid career professionals
- Face to face
- Distance learning

Eldagogy
- Virtual Space
- Customized curriculum
- Learner Centric Courses
- Geographically Dispersed participants
- 24/7 and 7/11 accessibility to learning
- High quality content in real-time
- Context, Content and Experienced based learning
5. Introduction to Eldagogy

• The fundamental objectives of pedagogy are not altered, but by leveraging on the innovative tools, cultural influences of mobile technology, and interconnected society, the teachers are able to enhance their teaching methods, for effective learning outcomes.

• Using the term “Pedagogy for Distance Learning” or “Pedagogy for online learning” or “Pedagogy for eLearning / digital Learning” will miss the paradigm shift happening in the future generation and their learning behaviors.

• The *eldagogy* is a natural progression of the art & science of teaching, from pedagogy to andragogy to eldagogy.

• Within eldagogy, differentiation is required by the profile of learners i.e. for children, youth and adults.

• Through eldagogy, customized education based on learner’s objectives and desired learning outcomes becomes possible.

• With the broader scope of the practitioners of eldagogy, the challenges lies in ensuring enhanced quality learning is achieved in the desired learning-outcomes of the learners.
6. Eldagogy in Action – a Short Demonstration

Eldagogy is expressed as “Multi-dimensional Facilitative Exchange of Knowledge, Information and Experiences between Learners and Facilitator (Teacher) in Virtual Space, for High Quality Learning Outcomes.”

Let us Look at a Typical Example of Teaching a Concept of International Contracts in Virtual Space
7. Dimensions of the Quality of Eldagogy

Measures of Quality in Eldagogy

- Setting Objectives for Learning
- Interaction between Learners and Facilitator
- Learner’s Prior Experiences
- Learning Outcomes Identified
- Directions from the Teacher / Facilitator
- Interactive Feedback Mechanism
- Built-in Assessment of Learnings
7. Salient Features for the Quality of Eldagogy

3D Pedagogy
- 3 by 3 Frames
- Context – Content - Cases

Lessons Design
- Rule Based
- Incident based
- Strategy Based
- Role Based

Virtual Learning Environment
- Virtual Learning Platforms
- Interactive GUI

Self-Assessment Tools
- FAQs
- Simulations
- Case Studies
- Tests and Exercises

Sharing of Reflections
- Discussion Boards
- Forums
- Blogs
Conclusion

• The term eldagogy signifies eLearning (el), in “d” digital space (Virtual Space), *agogus* (showing the root in its Greek origin) as leading /teaching, thus teaching by electronic means in virtual space.

• It is time to adopt new terminology for the changing world and future generation, who may never have to learn by writing on stone tablets like their forefathers, but on electronic tablets like iPads & Tabs.

• Eldagogy can be defined as “Multi-dimensional Facilitative Exchange of Knowledge, Information and Experiences between Learners and Facilitator (Teacher) in Virtual Space, for High Quality Learning Outcomes.”

• Eldagogy is the method of teaching for learner centric, value driven and high quality learning outcomes for future generations.

• 3D pedagogy, learning designs and interactive assessment methods integrated curriculum shall be the basic features of eldagogy.
THANK YOU!