E-Learning,
a Tool to Improve the Teaching/Learning Process

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2nd Physics Conference

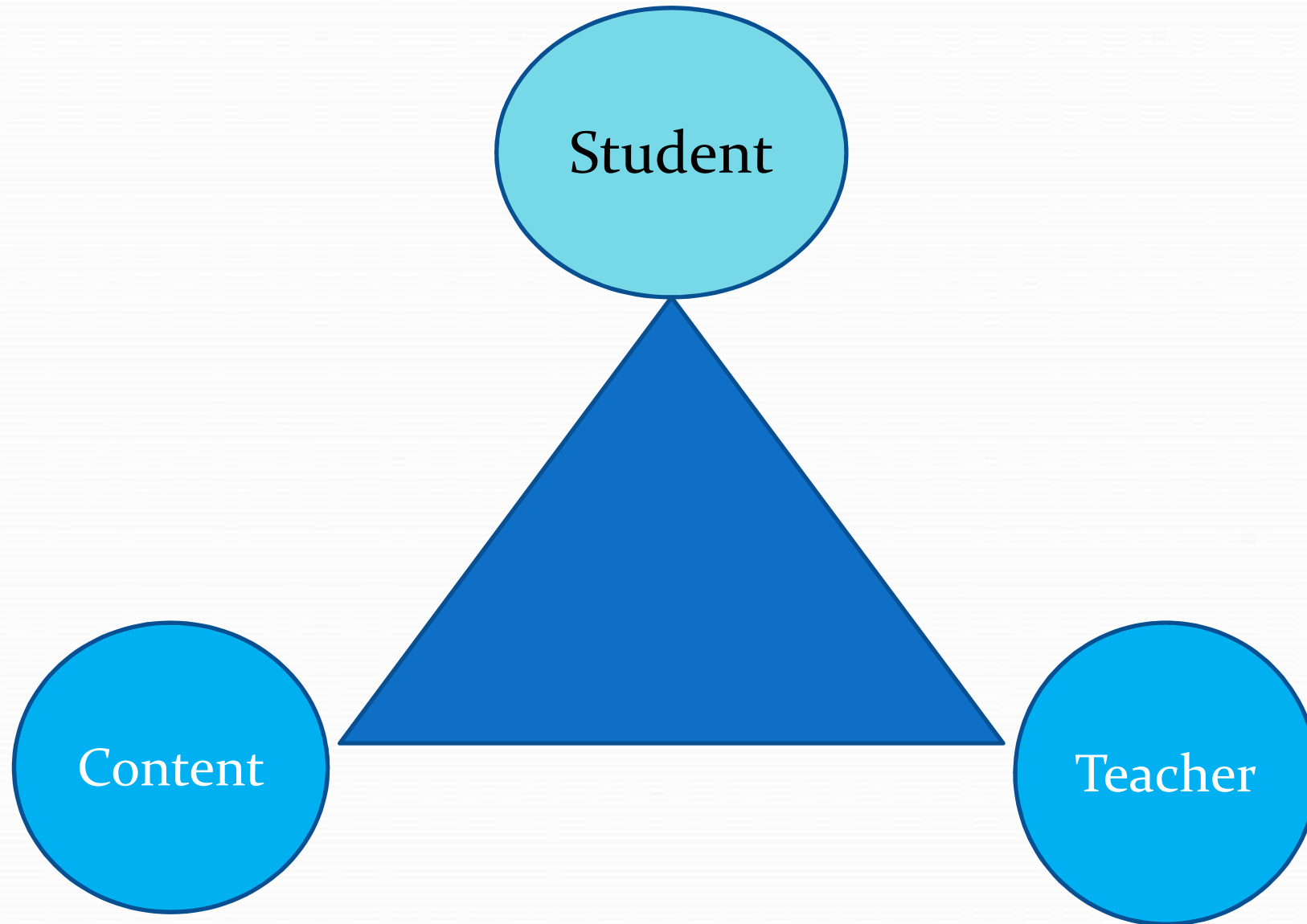An-**N**ajah **N**ational **U**niversity
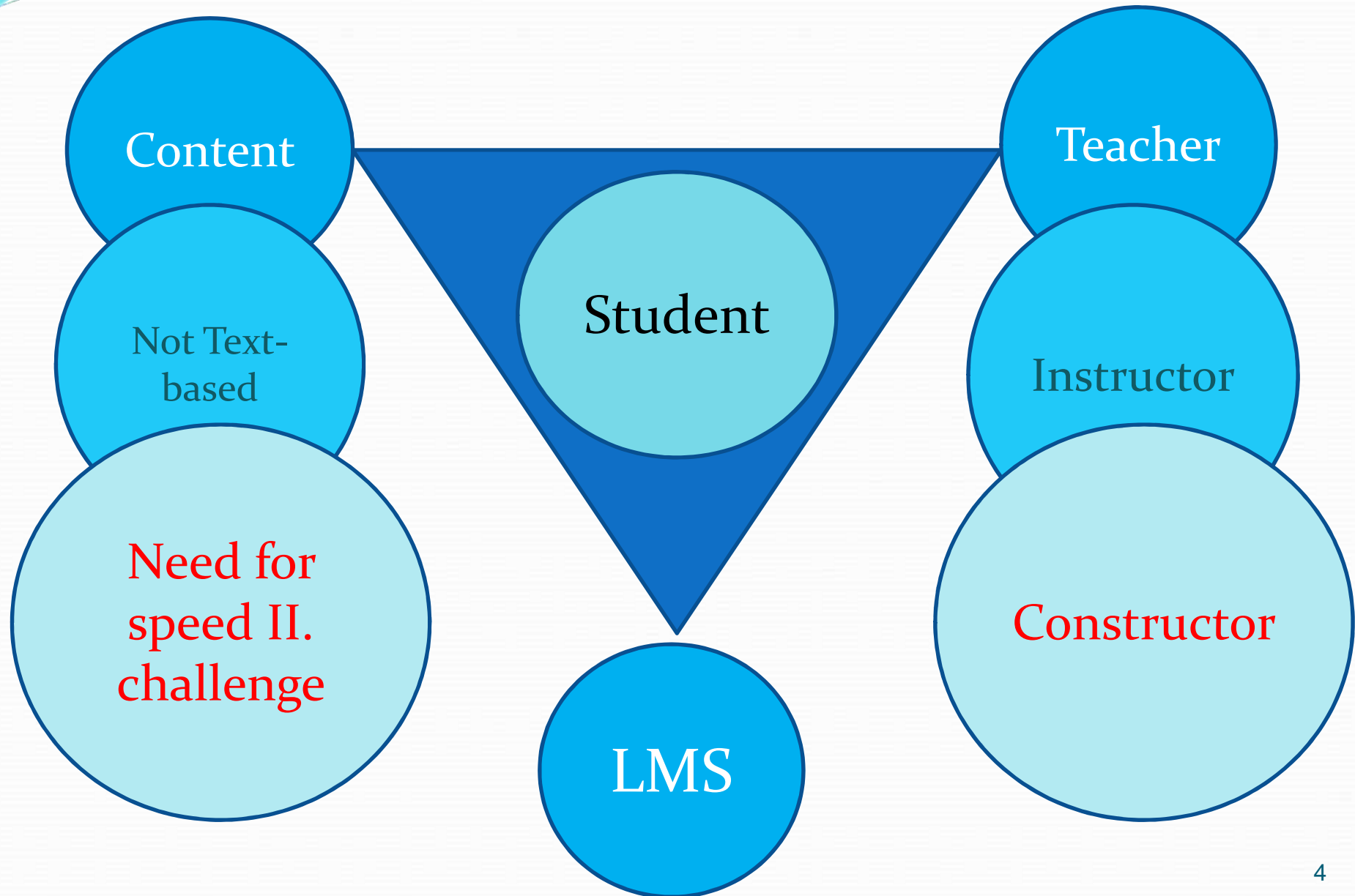
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May 2007

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e-Learning to Improve T/L Process

1. e-learning Triangle.
2. The Digital-Natives & The Strategic Importance
3. Common Core Activities.
4. Quality-Education Equation. QEE
5. The Emphasis on e or Emphasis on Learning.?
6. The e Option in Teaching and Learning.
7. The B-Learning Option. BLO
8. NNU Experience.
9. KSF

1. Learning Triangle.

Student

Content

Teacher

1. e-Learning Triangle.

Content

Not Text-based

Need for speed II. challenge

Student

Teacher

Instructor

Constructor

LMS

4

e-Learning Common Definition

e-learning as instruction delivered on a computer by way of CD-ROM, Internet, or Intranet.

e-Learning

Features to achieve the intended learning out-come through the followings.

- Includes content relevant to the learning objectives.
- Use methods of instructional science to aid learning.
- Use of Multimedia to deliver the content.
- Build new knowledge and skills to individual learning goals.

2. The Digital Natives

- The digital gap. What we are working on today as or vision in the future is already a living reality for our children.
- We need to pick up the pace.
- The digital media consumes most of their time.
- The digital media is their favorite.
- Learner's preferences and learner's needs.

The Strategic Importance & 21st century Skills

- 1st Grade Student   2008

- High-School Graduate   2020

- College or University Grad.   2024

- Introduced into the labor market   2025

- Will stay in the labor market   **2065**

3. Common Core Activities

Preparation.

- Clear Coherent objectives (Subject, Course, Faculty ...
- Content that targets the objectives.
- Resources
- Teaching Materials (Contract, Study Guide, Class materials, assessments

3. Common Core Activities

- **Communication/Delivery Skills**

Excellent preparation + Poor delivery = Poor Teaching

Interaction:

One ➡ **One**

3. Common Core Activities
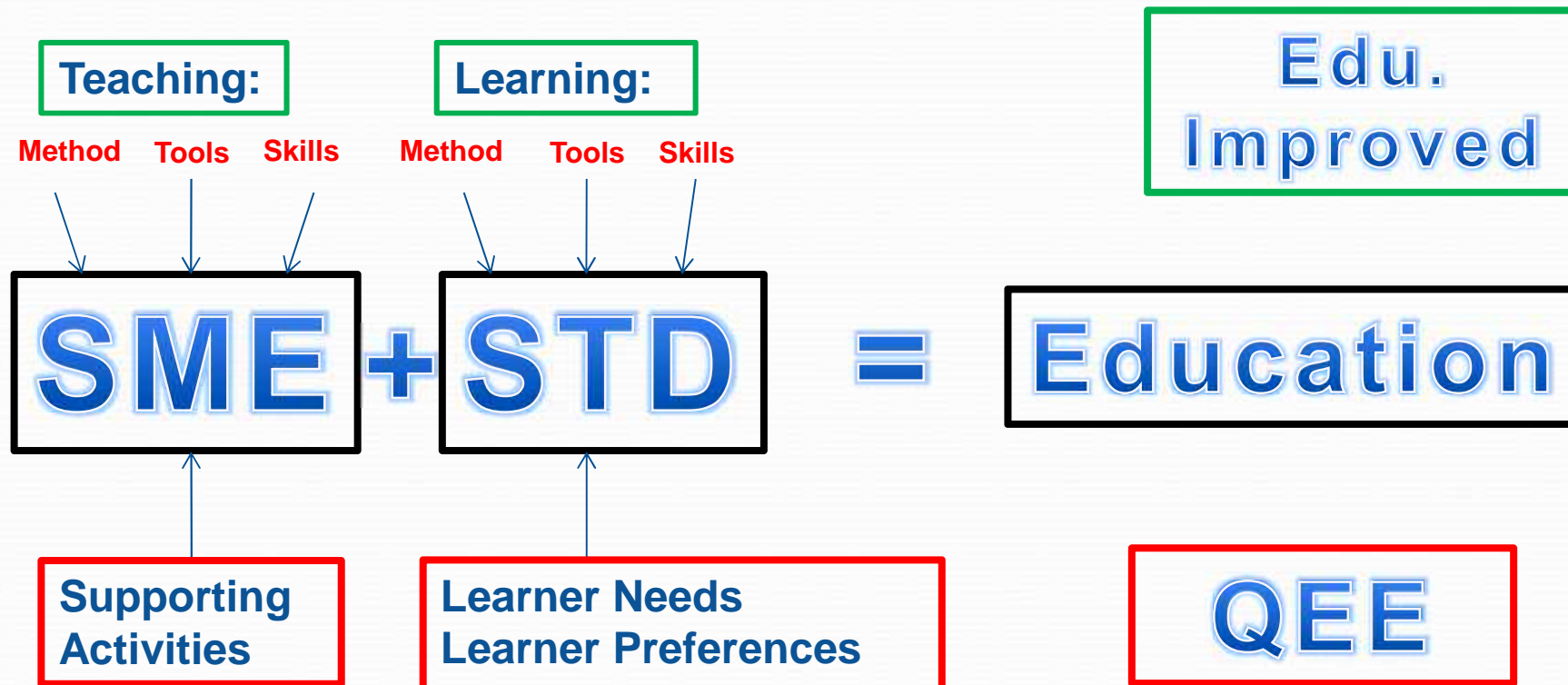
- **Engaging Students Learning**

A high level skill that makes student active and not passive in Learning.

One	➡	**Many**
Many	➡	**Many** **The Beauty**

4. Quality-Education Equation QEE

- From Schooling to Education
- From Lecturing to Teaching
- The T/L Process. The Equation.

4. Quality-Education Equation QEE

Teaching:

Method   Tools   Skills

Learning:

Method   Tools   Skills

Edu. Improved

$$SME + STD = Education$$

Supporting Activities

Learner Needs Learner Preferences

QEE

5. e-Learning Emphasis

We must be careful not to have more emphasis on the e and less emphasis on **Learning**

6. The e Option in Teaching/Learning

- Use of technologies to provide support,
- T/L Process   **Send & Receive a message , Media used.**
- Interactivity 1 to 1, 1 to many, many to many
- The extended class
- Not to digitized bad teaching practices.

7. The B-Learning Option, BLO

- To blend e-learning and the traditional (f 2 f) system

- There is no clear-cut formula for all courses.
- Each course must formulate special blend.
- Considering the Learners Preferences
- Considering the availability of e-Infrastructure.

8. NNU Experience

- Several Individual Initiatives.
- Small scale Projects.
- JICA
- RUFO Tempus project
- In-House Developed **On-line Course Container OCC**

KSF

1. Top mgmt support.
2. Awareness level.
3. Involvement level.

If not us … Who?
If not now … When?

Thank You