

Research Skills Development

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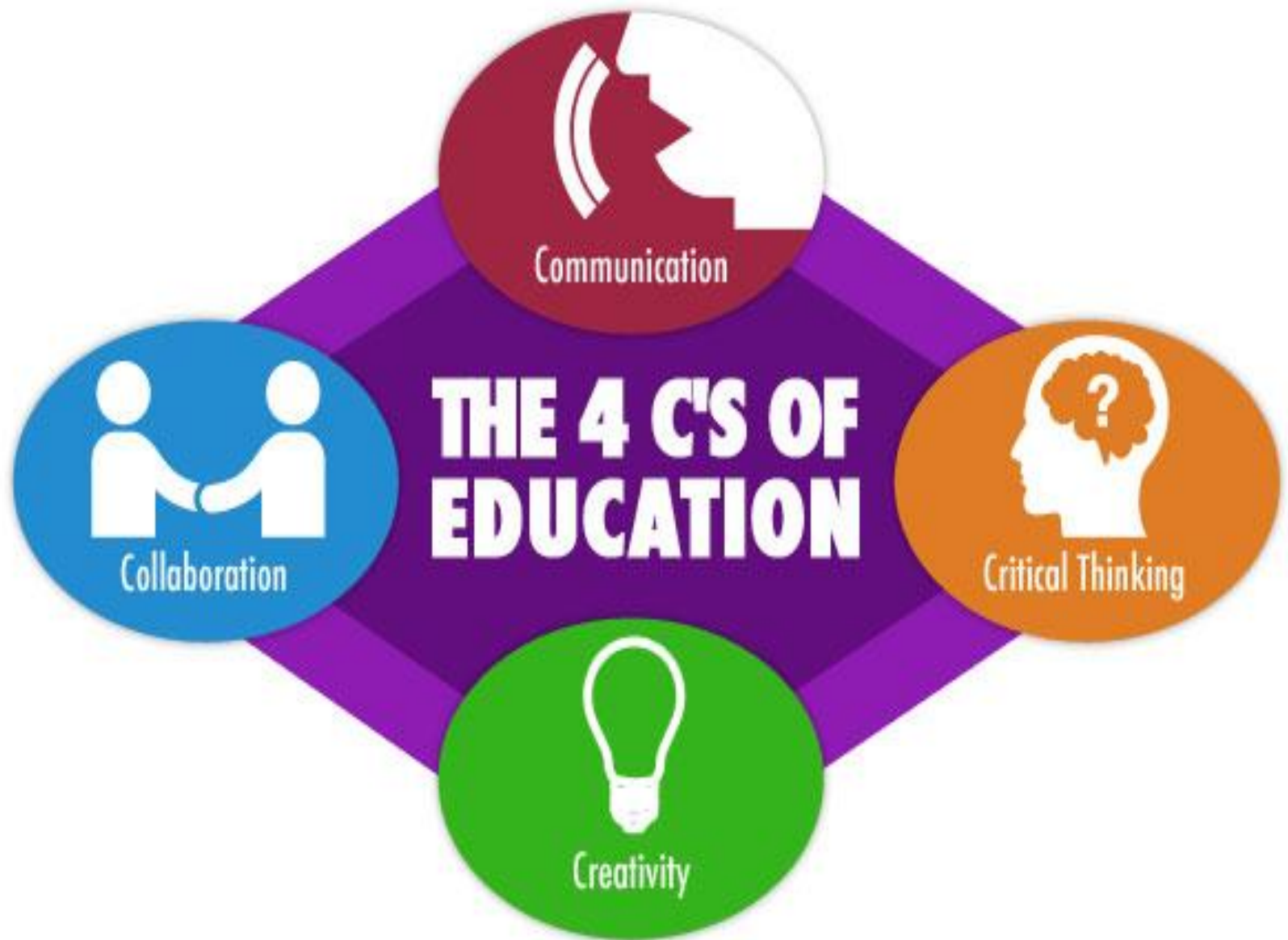
- **Every time, we introduce ourselves that we are from the Philippines, the usual remark that we get is:**





Presentation Outline

- 21st Century Teaching and Learning
 - The 4C's of Lifelong Learning
- The Need for a Framework
 - Fullan's 3R's Theory
- Research Production and Collaboration
 - The Nanyang Polytechnic Experience



Fullan's 3R's Framework



3R's capsulizes any component that a researcher needs to acquire and eventually contribute to the growing body of knowledge.



Readiness

- - **Basic knowledge/Competencies**
- - **Field of specialization**




Relevance

- - Isolation to Collaboration
- - Reactive to Pro active
- - Community Impact
- - Creators of New Knowledge

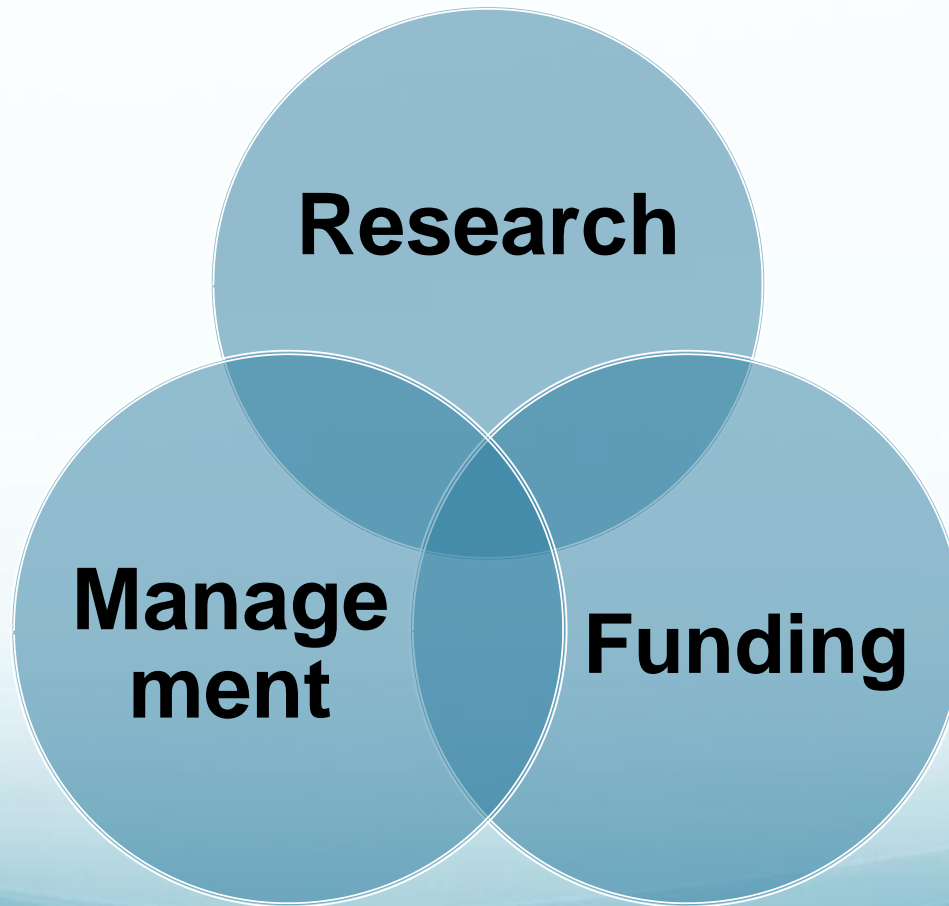


Resources

Administrative	Academic
Fund Rationalization	Data Collection Procedures
Ad Intra and Ad Extra Scaffolding	
Fund Generation	
	

Research Production and Collaboration

The Nanyang Polytechnic Experience



The Typewriter and Computer Story



- **Typewriter companies labored to improve typewriters, making them electric, automatic line returns, even erase ribbons and so on.**

- **But sooner or later, typewriters gave way to the computers, with infinitely greater flexibility, capacity, and power, capable of doing things no typewriters do and changing fundamentally the way we now express ourselves in writing.**

**Note that innovation did not
come from the typewriter
industry,**

- **It came from outside, a young fresh approach that looked at how the same task could be accomplished differently**

The point is this:

Research should not be on improving the typewriter which is almost correlate to a traditional approach but much more it should be on inventing a computer which is the future of research undertakings....

- **It is high time that we revisit our own version and context of Readiness, our own understanding and passion of Relevance and our relentless effort and creativity in generating Resources.....**

Thank You for your Kind Attention

