

Developing Leadership Insights Through Gamification

Leadership for Academicians Program, PMMMNMTT Scheme, MHRD
Aligarh Muslim University, Aligarh, India

December 23, 2019

Dr. Yogesh Velankar

yogeshvelankar@yahoo.com

+91 – 9769737255

<https://www.linkedin.com/in/yogeshvelankar>

Dr. Yogesh Velankar

Consultant – Academia & Industry

Academic Background

- Ph.D. Engineering Education, Purdue University, USA
- M.Ed. Mathematics Education, University of Texas at El Paso, USA
- M.S. Electrical Engineering, University of Texas at El Paso, USA
- B.E. Electronics and Telecommunication Engineering, University of Mumbai, India

VUCA

LEARN
UNLEARN
RELEARN

Gamification

<https://www.youtube.com/watch?v=BqyvUvxOx0M>

Example: Purdue University, USA

3D Virtual World, Serious Gaming and Gamification approach combined with Principles of Learning Sciences to transform an entire foundational design course in Aerospace and Aeronautical Engineering

Velankar, Y. P., Brophy, S. P., Okutsu, M., & Delaurentis, D. (2009). Serious Gaming for Aerospace Engineering Design: Exploring Learning Potential and Students' Readiness. *Presented at the American Society for Engineering Education Annual Conference, Austin, USA.*

Now...

Seating Arrangement

Inside – Outside Circle

- ▶ Innovative ways to design and plan productive meetings.
- ▶ If your colleague is being bullied at the workplace, what would you do?
- ▶ If the need arises, would you choose to become a whistleblower or not (especially if there can be serious repercussions).
- ▶ Best Practices in E-Governance.

Role Play: Overcoming Leadership Challenges

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Role Play

- ▶ Describe a challenging leadership situation in an academic context
- ▶ Any leadership theme
- ▶ Personal experience or otherwise
- ▶ Enactment with a partner –
 - ▶ demonstrate how you would deal with the situation
 - ▶ participation, interactions, and approach to overcome leadership challenges
- ▶ Maximum 4 minutes per participant - any teaching aids or technology may be used

Leadership Themes

- ▶ Contextual Complexities of Managing Educational Institutions in India
- ▶ Organizational Complexities of Higher Educational Institutions that makes it different from other organizations
- ▶ Visioning and Framing Strategic Plan
- ▶ Transformational Leadership
- ▶ Exploring Technology and Adoption
- ▶ Financial Management of Higher Education
- ▶ Developing research capacity
- ▶ Management Control and Performance Management System
- ▶ High Impact Practices for student success
- ▶ Internationalization of Higher Education
- ▶ Communication

Thank You

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